European High Performance Computing Joint Undertaking
Call for tenders EUROHPC/2026/OP/0004

Acquisition, Development, Hosting and Support of the EuroHPC JU Access Calls Peer-Review Platform

Open procedure

TENDER SPECIFICATIONS
Part 2: Technical specifications

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1. Background and Objectives

This call for tender is launched and managed by the European High Performance Computing Joint Undertaking (EuroHPC JU), referred to as the Contracting Authority for the purposes of this call for tenders.

The EuroHPC JU is a public-private partnership in the high-performance computing sector established under Article 187 of the Treaty on the Functioning of the European Union by Council Regulation (EU) 2021/1173[1] as last amended by Council Regulation (EU) 2026/150 of 16 January 2026[2]. As provided in Article 3.1 of Regulation (EU) 2026/150, the mission of the Joint Undertaking shall be:

a) to develop, deploy, extend and maintain in the Union a world-leading federated, secure and hyper-connected supercomputing, quantum computing, service and data infrastructure ecosystem;
b) to support the development and uptake of demand-oriented and user-driven innovative and competitive supercomputing systems and quantum technologies and systems based on a supply chain that will ensure components, technologies and knowledge limiting the risk of disruptions and the development of a wide range of applications optimized for these systems; and,
c) to widen the use of that supercomputing infrastructure to a large number of public and private users, and support the twin transition and the development of key skills for European workforce in science and industry.

To date, the EuroHPC JU has procured nine supercomputers hosted and operated by respective Hosting Entities:

- MeluXina, hosted by LuxProvide in Bissen, Luxembourg
- Vega, hosted by The Institute of Information Science (IZUM) in Maribor, Slovenia
- Karolina, hosted by IT4Innovations in Ostrava, Czech Republic
- Discoverer, hosted by consortium Petascale Supercomputer Bulgaria in Sofia, Bulgaria
- Deucalion, hosted by Foundation for Science and Technology (FCT)/MACC in Minho, Portugal
- LUMI, hosted by CSC – IT Center for Science in Kajaani, Finland
- Leonardo, hosted by CINECA in Bologna, Italy and
- MareNostrum 5 (MN5), hosted by Barcelona Supercomputing Center (BSC) in Barcelona, Spain
- JUPITER, hosted by Jülich Supercomputing Centre (JSC) in Juelich, Germany

Furthermore, there are several new Supercomputers to be implemented, including:

- Arrhenius, hosted by National Academic Infrastructure for Super-computing in

[1] Council Regulation (EU) 2021/1173 of 13 July 2021 on establishing the European High Performance Computing Joint Undertaking and repealing Regulation (EU) 2018/1488 (*OJ L 256, 19.7.2021, p. 3–51)*

[2] https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L_202600150

Sweden (NAISS) in Linköping, Sweden
- Daedalus, hosted by National Infrastructures for Research and Technology (GRNET) in Athens, Greece
- Alice Recoque hosted by Grand Equipement National de Calcul Intensif (GENCI), French Alternative Energies and Atomic Energy Commission (CEA) in Paris, France
- CASPir hosted by University of Galway, in Galway, Ireland
- Levente, hosted by Digital Government Development and Project Management Ltd. (DKF), in Budapest, Hungary

With the Regulation update, EuroHPC has extended its mission to establish AI Factories and procure AI-optimised supercomputers. Currently EuroHPC has selected 19 AI Factories and has launched or preparing to launch a total of 16 procurements for a respective number of AI optimised systems which will gradually become operational from the second half of 2026 until the end of 2027.

Besides the supercomputing infrastructure, EuroHPC has procured 10 Quantum Computers: Piast-Q in Poland, VLQ in Czechia, Ruby and Lucy in France, Jade and Euro-Q-Exa in Germany, EuroQCS Italy in Italy, EuroSSQ-HPC in Netherlands, MeluXina-Q in Luxembourg and EuroQCS Spain in Spain.

In order to ensure open, fair and unbiased access to the abovementioned infrastructure, EuroHPC JU implements an international peer-review process for the distribution of the Union's share on the access time to EuroHPC Supercomputers, AI Factories and Quantum Computers (hereinafter, "*peer-review process*"). This peer-review process shall also be applicable to future EuroHPC systems that will become operational in the coming years.

Article 2(2) of Council Regulation (EU) 2018/1488 of 28 September 2018 establishing the European High Performance Computing Joint Undertaking[3], applicable to the supercomputers purchased under the Regulation 2018/1488 and Article 2(2) of Regulation (EU) 2026/150, applicable to the supercomputers and quantum computers purchased under Regulation 2026/150 define 'access time' as the computing time of a supercomputer that is made available to a user or a group of users to execute their computer programmes.

In this regard, Article 13(5) of Regulation (EU) 2018/1488 that shall continue to apply based on Article 38(2) of the Regulation 2026/150 "(…) allocation of access time for publicly funded research and innovation activities for any user of a Member State or country associated to Horizon 2020 shall be based on a fair and transparent peer-review process following continuously open calls for expression of interest launched by the Joint Undertaking, which shall target users from science, industry, including SMEs, and the public sector. Expressions of interest shall be evaluated by independent experts (…)". This activity is also provided for, in similar terms, in Article 17(6) of Regulation (EU) 2026/150 according to which the share pf access time to the EuroHPC supercomputers shall be free of charge for

[3] *OJ L 252, 8.10.2018, p. 1–34*

users from the public sector and for industrial users for applications related to research and innovation activities funded by Horizon Europe or the Digital Europe Programme as well as those awarded a Seal of Excellence under Horizon Europe or the Digital Europe Programme and for private innovation activities of SMEs, where appropriate .

The peer-review process is implemented via different calls for access (access calls) as set out in the EuroHPC JU Access Policy.

EuroHPC has relied until now on the Peer-Review portal that has been developed and maintained by the Partnership for Advanced Computing in Europe (hereinafter, 'PRACE'). Currently the portal hosts all data regarding EuroHPC access calls during the past three years. As this platform has been developed to support the specific peer-review process implemented by PRACE, EuroHPC wishes to procure and evolve its own private platform, tailor-made for the requirements, the specific processes and peer-review workflows implemented for the Joint Undertaking.

In particular, within this procurement EuroHPC is seeking to:

- Acquire an existing Peer-Review platform software. The software is expected to be in a production state already operational, providing similar services (scientific peer-review evaluations) within the EU.
- Deploy several instances of the platform to serve the peer-review requirements of EuroHPC.
- Migrate data from the existing PRACE portal to the new instance, ensuring service continuation and undisrupted execution of the peer-review processes.
- Further evolve the platform with additional functionality responding to future requirements of the EuroHPC access processes, especially with regards to new requirements stemming from HPC application domains like Generative AI, Machine Learning, Quantum Computing, etc.
- Procure the necessary services for hosting and operational support of the service, for the duration of the contract. Provided services include end-user support. Support and maintenance services will ensure quick resolution of operational issues, bug fixes and implementation of new features, following the evolution of the EuroHPC peer-review processes as defined in the current and future versions of the Access Policy.
- Integrate the Peer-Review platform with the upcoming EuroHPC Federation Platform allowing seamless exchange of data concerning access allocations, allocation usage and user management.

Conversely, through this procurement EuroHPC is not seeking to fund the software development of a new platform. Proposals who do not rely on existing mature offerings will be considered out-of-scope and will be automatically rejected.

More information on EuroHPC JU is available on its website: https://eurohpc-ju.europa.eu/

2. DETAILED CHARACTERISTICS OF THE PEER-REVIEW PLATFORM FUNCTIONALITY

The purpose of this procurement is to acquire and further develop a platform for managing the EuroHPC access calls and the peer-review process.

The Peer-Review platform is the online IT tool that allows the management of access calls implemented by EuroHPC JU. The implementation of the calls follows the guidance set out in the EuroHPC JU Access Policy. The Tender Specifications, part 2: Technical Specifications refer to the access calls setup established at this point in time, however, if there are changes implemented during the execution period, the Contractor shall strictly follow the guidelines of the Peer-Review Sector followed by any future updates of the Access Policy.

The Peer-Review platform is the entry point for applicants to submit their proposals for accessing the EuroHPC JU supercomputers, under one of the calls established in accordance with the Access Policy. The Peer-Review platform allows the management of the peer-review workflows and the interaction among the various actors participating in the process, including (indicatively):

- The EuroHPC JU staff (especially referring to the Peer-Review Sector)
- The EuroHPC Access Resource Committee (ARC) members (e.g. ARC Chair, Panel Chairs, Rapporteurs),
- The external experts,
- The Hosting Entity (HE) application support teams (e.g. HE representatives and Technical Reviewers),
- The applicants submitting proposals
- The EuroHPC Federation Platform (EFP) representatives.

2.1. Overview of the requirements priority

The requirements and features of the procured platform are categorized in terms of priority of the needs of the Contracting Authority for the implementation of its peer-review processes. During the tender evaluation process, the scores will be given to each requirement or feature based on this categorization. The scoring thresholds are indicated within the Tender Specifications-Administrative part (Section 3.3.2. Award criteria).

The implementation phases of each requirement and/or feature are indicated within the requirements tables. The implementation phases details and timelines are indicated in the Section 2.4.1 of this document.

Table 1: Requirements prioritization

Priority level	Description
Mandatory Requirements (MANDATORY)	These are considered essential for the procured system and must be fulfilled by all tenderers. Mandatory Requirements will be assessed for each technical offer submitted based on the quality of the response. Technical offers that are not compliant with all Mandatory Requirements will be rejected. **Mandatory Requirements are requirements that should be available upon acceptance and start of operations of the platform (all requirements need to be implemented by the completion of Phase 1.1 First deployment).** Mandatory Requirements do not receive extra points.
Very High Target Requirements (VERY HIGH)	Very High Target Requirements are desirable features and desirable performance levels for the procured platform. In contrast to Mandatory Requirements, failure to provide Very High Target Requirements will not lead to the rejection of a tender. Technical offers that provide the Very High Target Requirements will receive a higher score based on the Weight within the category for that requirement. **Very High Target Requirements are not required in the first period of platform operations but should be implemented within a timeframe of 3-12 months (all requirements to be implemented by the completion of Phase 1.2 Second Deployment and 1.3 Third Deployment – end of Phase 1).** Very High Target Requirements receive points in the range 0-5, except for the Features (F5-F17) which receive points in the range 0-3. The earliest a tenderer offers to implement a Very High Target Requirement the higher the score it will get for this specific requirement. 0 points are assigned in case the requirement is not offered for implementation.
High Target Requirements (HIGH)	High Target Requirements are desirable features and desirable performance levels for the procured platform. In contrast to Mandatory Requirements, failure to provide High Target Requirements will not lead to the rejection of the tender. Technical offers that provide the High Target Requirements will receive a score based on the Weight within the category for that requirement. **High Target Requirements are not mandatory during the first period of platform operation but should be implemented within the duration of the contract following prioritization agreed with EuroHPC (all requirements to be implemented by the completion of Phase 2 Fourth Deployment – end of Phase 2) before contract signature.**

Priority level	Description
	High Target Requirements receive points in the range 0-3, except for the Features (F18-F36) which receive points in the range 0-1. The earliest a tenderer offers to implement a High Target Requirement the higher the score it will get for this specific requirement. 0 points are assigned in case the requirement is not offered for implementation.
Documentation	Documentation requirements are requirements that will need to be provided in a form of a document. All documentation items are **mandatory** and must be provided by the Contractor within the foreseen implementation phase. Documentation requirements will be assessed for each Proposal submitted based on the quality of the response. Documentation requirements do not receive extra points.

2.2. Operating aspects - platform implementation and functionality

Operating aspects are referring to the overall functionality of the Peer-Review Platform and are related to:

- Data migration from the existing to the new platform – Section 2.2.1
- Core platform functionality – Section 2.2.2
- Implementation of the peer-review processes – Section 2.2.3
- Development of platform supported features – Section 2.2.4
- Requirements relating to form fields – Section 2.2.5
- Requirements relating to user profiles and user roles – Section 2.2.6

The abovementioned topics are further described in their respective sections below.

2.2.1. Existing Peer-Review platform data migration to the new Peer-Review platform

In order to ensure business continuity, all data related to EuroHPC JU stored in the currently used Peer-Review platform will need to be migrated to the new platform.

The timeline of the data migration shall be completed either in full during the first platform deployment stage (4 months after the contract signature) or in the following 2 iterations:

1. Within **4 months** after the contract signature and the **first platform deployment,** the delivered platform should contain the ongoing/open calls data and should implement the necessary respective workflows.
2. Within **9 months** after the contract signature and the **second platform deployment,** the migration will conclude with data from all concluded past calls. In addition, the existing platform data should be updated to accommodate potential forms and workflows changes from the ongoing calls.

The data format will depend on the capabilities of the current provider and their ability to extract the desired information. The contractors shall be able to work with CSV format files containing JSON syntax text.

The expected data to be migrated will comprise of and is not limited to:
- All steps forms and form fields contents
- Option groups associated to dropdowns and selection fields
- All call and cut-off setup elements including resources thresholds and timeframes
- All proposals and the workflows associated – triggers, conditionals and permissions
- Users database – containing form fields data, flags, and associated roles
- Partitions Manager data – information about the HPC centres and the related partitions, available resources and contact points
- Email templates – email notifications that are related to triggers within the calls' workflows

The contractor is expected to collaborate with the Contracting Authority and the current platform provider to ensure quality data migration and must provide feedback regarding data exports needs and improvements.

Requirements table 1: Data migration

Req. No.	Priority	Description	Implementation Phase
DM1	Mandatory	The contractor must provide a data migration plan once the data information becomes available in accordance with the foreseen plans of the Contracting Authority	1.1. First deployment
DM2	Mandatory	The tenderer needs to specify in their technical offer that they are able understand and interpret big databases in different data formats	1.1. First deployment
DM3	Mandatory	Data migration of the open calls for access	1.1. First deployment
DM4	Very High	Data migration of the closed calls for access	1.2. Second Deployment

2.2.2. Core platform functionality

Upon project initiation the software shall be able to comply and satisfy a certain number of mandatory requirements to be further detailed in the following sections. In brief the platform shall implement at least the following features (detailed in the Section 2.2.4.):
- Calls management
- Evaluations management

- Statistics management
- Exports and downloads management
- Offered Computing Resources and Systems management
- Reporting & notifications management
- Access, user and multi-role management
- Multitenancy
- Dynamic dashboard to allow administration, configuration and overview of the above- mentioned management features
- User support ticketing system
- Creation and management of customized document templates (e.g. emails, reports)

In providing the above services the platform shall ensure the implementation of necessary cybersecurity features that will safeguard data protection (GDPR), prohibiting among others unauthorized access to platform features and information.

The following features comprise core functionality to be implemented by the platform:

Requirements table 2: Core functionality

Req. No.	Priority	Description	Implementation Phase
CF1	Mandatory	Complete Peer-Review platform (both user and admin portals) shall be operational within 4 months after the contract signing.	1.1. First deployment
CF2	Mandatory	The platform shall offer separate instances of an administration (admin) and user portal. The portals should be accessible from different URLs.	1.1. First deployment
CF3	Mandatory	Full hosting, operation and provisioning of the portals, ensuring continuous uptime.	1.1. First deployment
CF4	Mandatory	Platform shall be available from URLs under the EuroHPC domain.	1.1. First deployment
CF5	Mandatory	Platform shall be hosted in a European cloud domain. It must be hosted in at least two remote locations in different countries in Europe offering failover and continuous uptime capabilities.	1.1. First deployment
CF6	Mandatory	Both portals (admin and user) shall provide uniform EuroHPC branding adhering to common colour schemes and using approved logos provided by the Contracting Authority.	1.1. First deployment

Req. No.	Priority	Description	Implementation Phase
CF7	Mandatory	The platform shall have a prepared user profile interface ensuring successful login and registering to the portal.	1.1. First deployment
CF8	Mandatory	Ensure access to the portal by all actors involved in the peer-review process. Different user roles are defined in Section 2.2.6.2.	1.1. First deployment
CF9	Very High	The platform shall provide an option to monitor and manage HPC, AI and quantum resources distribution. It shall enable management of the offered infrastructure (supercomputers, quantum computers and AI Factories) including the interface for Hosting Entities. This core functionality should be tied with the feature F5	1.2. Second deployment
CF10	Very High	The platform shall have a dashboard and monitoring functionality allowing the complete overview and status of the access calls, proposals and roles involved in the process. This must be enabled on both user and admin portals and is tied to the feature F13	1.3. Third deployment - end of Phase 1
CF11	Very High	The platform shall provide a customization functionality referring to access calls, workflows and forms to enable high level of flexibility within the admin portal. This is related to the features F8 and F9	1.3. Third deployment - end of Phase 1
CF12	Very High	The platform shall provide high-level functionality for management of different types of evaluations carried out within specific workflows. This is tied to the feature F10	1.3. Third deployment - end of Phase 1

2.2.3. Peer-Review Processes Implementation

For the above access processes (access calls), the platform shall allow the implementation of the following features:

Requirements table 3: Process implementation

Req. No.	Priority	Description	Implementation Phase
PI1	Mandatory	Configuration of the Peer-Review Portal to support the corresponding calls and review processes. The platform shall implement the processes described in Section 3 (3.1.1. to 3.1.7.)	1.1. First deployment
PI2	Mandatory	Upon delivery of the admin portal, it must be pre-configured with all necessary forms and workflows to allow proposal management for the different calls.	1.1. First deployment
PI3	Mandatory	Upon delivery of the user portal, it must be pre-configured with all necessary forms and workflows to allow proposal submission for the different calls.	1.1. First deployment
PI4	Very High	Configuration of the Peer-Review Portal to support peer-review processes – features listed F5-F17 in Section 2.2.5.	Depending on each feature foreseen deployment phase, latest by the end of 1.3. Third deployment - end of Phase 1
PI5	High	Configuration of the Peer-Review Portal to support peer-review processes – features listed F18-F36 in Section 2.2.5.	Depending on each feature foreseen deployment phase, latest by the end of 2.4. Fourth deployment – end of Phase 2

2.2.4. Platform supported features

The platform shall provide the following features and respective functionality. The tenderers should describe the exact mechanism and the framework of implementation.

Requirements table 4: Platform supported features list

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
F1	1	Mandatory	Phase 1.1	USER PROFILES	All users should have the ability to register and create user profiles	The user profiles must contain personal information about the user. All required fields are specified in the designated section of the Tender specifications. On each user profile, the active roles shall be indicated. This information is visible to the Admins and the admins can add specific notes to the user profiles and give special tags.	Admin, User	All roles	Admin, User
F2	2	Mandatory	Phase 1.1	PROPOSAL ID GENERATOR	Ability to define the proposal ID logic per call	The feature enables the admin to define the logic of IDs per call. There shall be 2 types of IDs to identify: 1. Proposals in draft 2. Submitted proposals As soon as a new draft is created, a proposal ID to the application is assigned. The final ID shall be assigned to the proposal depending on when the application is submitted (by linking to the most recent active cut-off).	Admin, User	All roles	Admin
F3	3	Mandatory	Phase 1.1	USER DATABASE MANAGER	Ability to manage the user database	The user database shall be in table view being able to customize the fields and add filters for easier navigation. It must be exportable (covered by the Exports and Downloads Manager). The Admins must be able to update the user roles, flag users and block/unblock accounts.	Admin	Admin	Admin
F4	4	Mandatory	Phase 1.1	EXPORTS AND DOWNLOADS MANAGER	Ability to extract data from the platform - to export different data per call/cut-	The Admins are able to customize the exports that are required - define the data that they want to download. The Admins are able to export:	Admin, User	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
					off/proposal/users database/user	- full call/cut-off data - all proposal details entered in the platform - user database - download all documentation related to a call/cut-off The users are able to export: - full data of the proposals worked on - based on a specific user role visibility - specific export formats shall be enabled, i.e. for CCRs - JSON			
F5	5	Very High	Phase 1.2	SYSTEMS, PARTITONS & RESOURCES MANAGER	1. Management of systems and partitions offered in the calls; 2. Management and monitoring of resources offered per partition/per call and per cut-off; 3. Management of HPC centres connected to the offered systems; 4. Definition of users with CCR and TR roles (from both Admin and User portals)	This feature shall enable the Admins to input the HPC systems and define in which calls and cut-offs they are active. Per indicated partition, the Admins define the offered resources, resources requests minimums or whether the resources request should be predefined and the referred amounts. Anything that is defined in this feature needs to be connected to the calls' set up and application forms. From the Admin portal, the Partition manager shall provide the ability to manage the HPC centres connected to the offered systems. It shall present an overview, emails and accounts connected to the CCRs and TRs per centre and provide an ability to update their information. The Admins must be able to unlock parts of the feature for the CCRs to edit - to confirm yearly allocations, to confirm/edit budgets per cut-off. The allocated resources in awarded proposals shall be taken into consideration in the resources	Admin, User	Admin, CCR, TR	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						distribution monitoring using a call and cut-off based approach. From the User portal, the CCRs shall be able to define and add reviewers within their centre (this part shall be connected with the invitation feature).			
F6	6	Very High	Phase 1.2	BULK ACTIONS	The feature enables bulk actions (triggering an action to a selected number of users) throughout the platform functionality	It shall provide possibilities of launching bulk actions to multiple users at the same time. The feature must be able to be translated to all trigger actions throughout the platform, e.g. unlocking different steps.	Admin	Admin	Admin
F7	7	Very High	Phase 1.3	DOCUMENTATION MANAGER	Uploading documentation to published calls	Enables the Admins to add relevant documentation to published calls that is visible on the user portal. The Admins shall be able to select which user roles see which documents. The users shall be able to download the documentation. The feature shall support PDF, MSO and Latex files. The Admins are able to add documentation and comments per proposal, which must be visible only on the Admin portal.	Admin	All roles	Admin
F8	8	Very High	Phase 1.3	CALLS MANAGER	Management of all calls for proposals: - ability to create calls and to update existing calls - ability to define/manage workflows - ability to duplicate the calls and associated attributes	The Admins shall be able to create the calls: - creation of the process workflow - different steps of the peer-review process - definition of trigger actions between steps - definition of deadlines for each step - definition of cut-off dates - defining the user roles and their permissions connected to the evaluation	Admin	Admin	Admin
F9	9	Very High	Phase 1.3	FORMS MANAGER	Ability to create customized forms tied to different calls	The platform should have a functionality that enables the admins to tailor-make and customize	Admin	Admin	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
					offering a variety of form fields and conditionals	forms in all workflows. It shall enable selection of different data fields and enable the use and setup of conditionals within the forms and form fields. The required fields and conditionals are elaborated in Section 2.2.6.1.			
F10	10	Very High	Phase 1.3	EVALUATIONS MANAGER	Management of different evaluation procedures - dynamic views and editable sheets mostly related to experts evaluating and monitoring of their tasks	Admins are able to create dynamic views by filtering information that is needed for different evaluation procedures - this needs to be call and cut-off based. The dynamic views must have at least the following functionality: - filtering and sorting - adding empty columns/fields for manual input - ability to add manually comments and color-codes Dynamic views shall be saveable and shareable among Admins. More advanced functionality shall include: - detecting duplicates in dynamic views - ability to add comments in the prefilled fields - flagging options per entry	Admin	Admin	Admin
F11	11	Very High	Phase 1.3	REPORTING & NOTIFICATIONS MANAGER	Ability to remind and send specific requests for reporting purposes	The Admins must be able to send reminders based on specifically defined conditions per user/per cut-off/per call. The notifications can be done in bulk actions (Bulk Actions feature) as well as separately per user. This feature shall also enable sending automatic reminders once the deadline of assignments is reaching.	Admin, User	Admin, CCR, Applicant	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						There shall be an option to trigger certain actions like unlocking forms once the notification is launched. There shall also be an option to define users/groups of users to receive certain notifications. Reporting manager shall be related to the partition manager for specific reports concerning the HEs.			
F12	12	Very High	Phase 1.3	PERMISSIONS & VISIBILITY MANAGER	Ability to define specific permissions and visibility conditions on a call/cut-off basis	The Admins are able to define specific permissions to call steps, forms and elements per user role involved in the process. These permissions enable or disable visibility of certain steps and also define the visibility conditions for e.g.: - a certain step is visible in a workflow but the contents are visible only after a certain action.	Admin	Admin	Admin
F13	13	Very High	Phase 1.3	USER DASHBOARD	Landing page summarizing the activities per user - dynamically set up per user: - Overview of the proposals status in a dynamic view - defined per different calls and cut-offs - Notifications - Tasks	The User must be able to define their contents of the Dashboard and the content should be presented dynamically: - an overview of all open calls, with ability to filter (cut-off dates, statuses, upcoming deadlines, proposals statistics, etc.) - a view of the proposals with possibility to change the fields appearing. The view shall contain filters for easier navigation throughout proposals. The views must contain specific status per proposal depending on the position in the workflow. - it shall have a preview and ability to write and to delegate tasks	Admin, User	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						- automatic notifications shall be visible in the Dashboard - related to reminders, steps unlocked or approaching deadlines, etc.			
F14	14	Very High	Phase 1.3	EMAIL TEMPLATE MANAGER	Ability to create email templates per call/cut-off + designing emails for the Reporting & Notifications Manager	The email template manager shall provide a possibility to write emails using variables and conditionals per call/cut-off/specific user or user group. Some variables shall be predefined and others can be created by the Admin. The variables would be taken from the information entered in the platform: user profile, call forms. The template manager shall enable using conditionals, e.g. IF/THEN that can be defined by the Admin.	Admin	Admin	Admin
F15	15	Very High	Phase 1.3	INVITATION FEATURE	Invites and assigs a user to a certain step; Creates a temporary account for users that do not have an account in the platform	Intended for users that do not have an account in the platform. The invitation feature shall be embedded within the forms so the users can be directly invited and assigned to a step. Besides the Admin, the CCR can use the same feature to invite new TRs within the platform. The invitation feature should also be automated upon proposal submission: all users mentioned as team members should be given access to the proposal - in case they do not have an account, it should be created for them - Proposal Collaborators Manager The account created can be accessed by resetting the password or by sending a verification code to the user's email. Once the user logins for the first time, the account becomes a normal account.	Admin, User	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
F16	16	Very High	Phase 1.3	MULTI-ROLE MANAGER	Ability to create user roles and attribute permissions to them. Ability to define role connections and permissions per user and globally per call or cut-off	Creating roles and defining the specific permissions per user role. This functionality shall work on global basis per call or cut-off basis but also per specific user. This feature shall allow users to have multiple roles connected on their profile. Can be incorporated within the Multitenancy feature or similar.	Admin, User	All roles except for the CCR	Admin
F17	17	Very High	Phase 1.3	PROPOSAL STATUS GENERATOR	Displays dynamic statuses per proposal/per role/per call	The status generator shall enable to define the logic between different steps; define the triggers and specific statuses that will display per role/per call. The status per role can depend on the step that the proposal is in during the evaluation which shall be tied to the visibility permissions.	Admin, User	All roles	Admin
F18	18	High	Phase 2.1	STATISTICS MANAGER	Generating and presenting statistics throughout the data managed by the platform.	This feature shall have separate functions: - backend option for extracting and downloading data - frontend option for all users that enables to view and preview certain statistics that they are interested in (custom view or predefined by the backend option) - this part is different per user type and it should be connected to their involvement/permissions in the calls. The statistics manager shall be able to gather data on: - different calls/cut-offs - all information about proposals in the system; information about the PIs and TMs ;systems, resources offered and requested, etc. - different user types - information regarding users involved in the calls; connection to the	Admin, User	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						user database for generating statistic related to all registered users. The statistics manager shall be able to generate dynamic graphics based on selected data.			
F19	19	High	Phase 2.1	USER SUPPORT TICKETING SYSTEM	Ability for the users to have technical support when encountering platform issues	The ticketing system should be available to both Admins and Users and shall contain a form where the user is able to describe the issue encountered. The system shall display the status of the ticket dynamically. The form shall be able to provide a possibility to upload documents (picture and pdf formats). The requests shall be forwarded to the development team and shall allow the admins to be able to see the submitted tickets and the ticket resolving progress. It is encouraged to use AI based chat-bot functionality within this feature.	Admin, User	All roles	N/A
F20	20	High	Phase 2.1	USER EMAIL ADDRESS UPDATE FEATURE	Ability for the users to change their primary email address	The feature shall enable the users to enter 3 different email addresses on the user account - the registering one being the primary. There must be an option to select one of the alternative email addresses as a primary address. These changes should be recorded in user history.	User	All roles	User
F21	21	High	Phase 2.1	OPTIONS GROUP MANAGER	Ability to create, associate and edit options groups used in the form fields	The admins are able to create, associate and edit options groups tied to the submission forms. It is possible to sort them and identify to which calls the groups are used.	Admin	Admin	Admin
F22	22	High	Phase 2.1	PROPOSAL COLLABORATORS MANAGER	Ability to link collaborators to the proposal	Linked to the invitation feature, the proposal team members see and can interact with the proposal and they accept their involvement in the proposal.	Admin, User	Admin, Applicant	Admin, Applica nt

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						The person submitting the proposal labels each team member and give them permissions on the proposal. The Project Lead/Principal Investigator needs to always have access to the proposal. The collaborators need to confirm their eligibility.			
F23	23	High	Phase 2.1	INSTUTUTIONS CATEGORIZATION	Ability to link the institution entries with a standardized list of institutions (e.g. universities, research institutes, companies, etc.)	The feature shall offer matches on institutions while entering the information about the user affiliations. It shall be linked to both user forms (providing proposals collaborators information) and on the user profiles section.	Admin, User	All roles	Admin, User
F24	24	High	Phase 2.2	ELIGIBILITY CHECK OF APPLICANTS AND EXPERTS	The platform alerts in case an application or an expert is not eligible to access the EuroHPC machines	Admin can define eligibility criteria, given that the information is available on the application or user profile. Using the predefined set of conditions, the platform identifies potential ineligibility.	Admin, User	All roles	Admin
F25	25	High	Phase 2.2	CONFLICT OF INTEREST CHECK	The platform alerts if the assigned/nominated expert has Conflict of Interest (CoI) with the target proposal	Admin can define what is considered conflict of interest, such as working in the same institution or co-authoring a paper. Using the predefined set of conditions, the platform identifies potential CoIs	Admin	Admin	Admin
F26	26	High	Phase 2.2	MEETING ORGANIZATOR AND MEETING MANAGER FEATURE	1. Provides option to easily organize evaluation meetings with users having platform accounts 2. Provides option to manage the evaluation meetings within the system	Meeting organizer: Ability to create meetings with a calendar function. Provides ability to draft agendas and minutes and upload additional documentation. Ability to invite participants with time slots selection options and provide visibility on the selected documentation - related to documentation manager. Meeting manager: Ability to use dynamic views to create evaluation and scoring tables for evaluation meeting management. The admins are able to set custom formulas and are able to	Admin	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
						enter meeting results that should be reflected/translated on the proposals. The meeting manager shall also be connected to the Partitions manager and call/cut-off setup to manage the allocations of resources during the meeting with additional customization options for increasing/decreasing offers, calculating percentages of quotas, etc.			
F27	27	High	Phase 2.2	FEDERATION PLATFORM (EFP) INTERFACE	An interface for federation representatives to be able to interact and select the data to be translated to the EFP.	EuroHPC Federation Platform (EFP) representatives can see and interact with the awarded proposals data. The admins can control the information that will be displayed in the interface.	Admin, User	Admin, User	Admin
F28	28	High	Phase 2.3	USER HISTORY RECORDER	Ability to record and display user history	Records user history within the user database. - Enables the Admins to immediately see the proposals connected to the user and with which role by viewing a specific user profile. - Provides a more detailed history - activity of the user which can be viewed by selecting an option to display more details on the user profile	Admin	Admin	Admin
F29	29	High	Phase 2.3	DELEGATION FEATURE	Ability to delegate user rights to admins	The admins are able to login as any user/are able to act on behalf of the user in order to better detect any issues they may be encountering.	Admin	Admin	Admin
F30	30	High	Phase 2.3	FORM VALIDATION FEATURE	Provides possibility to the users to validate submitted and draft reports	Enables users to validate other user's forms either in draft or submitted. This can be used by admins to validate reviewer reports as well as reviewers to validate each other's evaluations in specific cases. There shall be an option to add this validation as an action that triggers other actions.	Admin, User	All roles except the Applicant	Admin, User
F31	31	High	Phase 2.3	NEWSFEED MANAGER	Provides updates on the platform regarding the calls and announcements.	Enables the Admins to add news to the user portal and allows to highlight which user roles will be able to see which news.	Admin, User	All roles	Admin

Ref no	Order no	Priority	Implementation Phase	Main feature	Functionality	Description	Portal	Users	Editable by
F32	32	High	Phase 2.4	TRACKING CHANGES FEATURE	Ability to present real-time activity of Admins in the Admin portal	When several Admins are simultaneously working on the Admin portal, there shall be a possibility to see the activities and changes made by other Admins.	Admin	Admin	N/A
F33	33	High	Phase 2.4	MULTITENANCY	Ability to separate sectors/organizations in separate machines while using the same platform	This feature shall enable defining different organizational structures within the portal and defining specific permissions per organization type. Even though the portal would be the same, it can be considered as a separate platform per organization.	Admin	Admin	Admin
F34	34	High	Phase 2.4	COMMENT/FEEDBACK/COMMUNICATION FEATURE	Provides opportunity for users to add comments to their forms	This enables the users to provide comments in the forms – before or after submission of the form. Provides options to highlight to whom the comment is directed to (the office, another evaluator, to themselves). The same feature can be linked to the user profiles where the users can share their feedback.	Admin, User	All roles	Admin, User
F35	35	High	Phase 2.4	CERTIFICATE GENERATOR	Option to be able to generate certificates of award and certificates of participation within the JU access calls	The feature enables the user to generate certificates of awards in relation to awarded projects - the platform fetches the information from the submitted forms and fields selected by admin. Within the same feature, it shall be possible to generate certificates of participation, e.g. for various types of reviewers. The users are able to request them via the platform and download them directly.	Admin	Admin, User	Admin
F36	36	High	Phase 2.4	RESULTS REPOSITORY	Ability for the users to submit their project results in form of links and documents that would make them publicly available.	The platform offers a space for users to submit their project results in different forms for the community to be able to exploit the results. The access to the repository will be given in a protected way to users who request access.	Admin, User	All roles	Admin

2.2.5. Supported form field datatypes

The platform shall allow the submission of proposals through online forms which are designed and tailored to collect relevant information for each call type. The platform shall allow design of forms supporting at least the following data types:

Table 2: Submission Form Datatypes

Ref No	Function	Type	Description
1	Field	Text	Regular text field e.g., for entering personal information like name or surname
2	Field	Textarea	Bigger text field intended for descriptions. Must be expandable.
3	Field	Title	Editable by admin, serves as providing a title within a form to separate contents
4	Field	Email	Field that enables entry of email addresses; must have a verification to detect if the entry is in an email format
5	Field	Instructions	Editable by admin, the admin writes instructions that shall be displayed in the form
6	Field	Blank space	Serves as a divider within the form - provides a blank space between different fields
7	Field	Divider	Serves as a divider within the form - provides a visible separator between different fields
8	Field	Select	Ability for the user to select an option from a dropdown - the dropdown options shall be editable by Admin
9	Field	Multi-select	Ability for the user to select multiple options from a dropdown - the dropdown options shall be editable by Admin
10	Field	Multi-text	Ability to add several text options within one field
11	Field	Checkbox	Ability to provide a confirmation by ticking the box
12	Field	Toggle	Ability for the applicant to select an option from visible options. Admins shall be able to define and edit the options
13	Field	Upload	Field that enables the upload of PDF files
14	Field	Number	Field that enables only numerical entries. Must have a number separator built in
15	Field	Phone number	Field that enables the entry of phone numbers - provides the country calling codes
16	Field	Date	Field that enables selection of dates
17	Field	Select Partition	This select field shall be connected to the Partition Manager and partition listings defined there
18	Field	Number field - Resources requests	This select field shall be connected to the Partition Manager and resources listings defined there

Ref No	Function	Type	Description
19	Group field	Multiple types	Admin: able to create groups of fields - include any of the field types User: able to add multiple groups (add button)
20	Conditional	IF/THEN	Options IF: - Equal - Not equal - Required - non-empty - length range - greater - lesser - min length - max length Option THEN: - visible - required - valid - editable - sum

Requirements table 5: Submission form datatypes

Req. No.	Priority	Description	Implementation Phase
FF1	Mandatory	The platform shall support the form fields and datatypes defined in Table 2	1.1. First deployment

2.2.6. User profiles and user roles

New users registering to the platform shall be offered with a form to fill in their personal details. All newly registered users should have a previously agreed default user role. The update of user roles should be done by the Admin role.

2.2.6.1. User Profile fields

All user profile fields shall be editable and saveable by users/account owners at any time. The table below lists a minimum set of fields to be offered in the form along indicating the section that they will appear, whether it is mandatory to be provided upon registration and for which portal (user or administrator) is applicable.

Table 3: User Profile Fields

Ref no	Section	Field Name	Mandatory to be filled in by the user (Y/N)	Portal Affected
1	Personal Information	Gender	Y	User
2	Personal Information	Name	Y	User
3	Personal Information	Surname	Y	User
4	Personal Information	EU Expert ID	N	User
5	Personal Information	Nationality	Y	User
6	Personal Information	Address	N	User
7	Personal Information	City	N	User
8	Personal Information	Country	N	User
9	Personal Information	Email - prefilled by the account settings	Y	User
10	Personal Information	Phone number	N	User
11	Personal Information	Website	N	User
12	Organization details	Job title	N	User
13	Organization details	Organization name	Y	User
14	Organization details	Organization address	Y	User
15	Organization details	Organization city	Y	User
16	Organization details	Organization country	Y	User
17	Organization details	Organization website	N	User
18	Organization details	Add organization	N	User
19	Research profile	Research field dropdown	Y	User
20	Research profile	Add research field	N	User
21	Research profile	Keywords	N	User

Ref no	Section	Field Name	Mandatory to be filled in by the user (Y/N)	Portal Affected
22	Research profile	Short biography	N	User
23	Research profile	LinkedIn	N	User
24	Research profile	Google Scholar	N	User
25	Research profile	ResearchGate	N	User
26	Research profile	Scopus	N	User
27	Research profile	Add link	N	User
28	User agreements	Privacy policy and GDPR	Y	User
29	User agreements	Newsletter agreement	Y	User
30	User agreements	Interested in collaborating with EuroHPC as a Scientific Reviewer	Y	User
31	Account settings	Change password option	N/A	User
32	Account settings	Add email address (max 3)	N/A	User
33	Account settings	Close account option	N/A	User
34	Admin overview	User notes	N/A	Admin
35	Admin overview	User history	N/A	Admin
36	Admin overview	Upload documents	N/A	Admin
37	Admin overview	Block user option	N/A	Admin

Requirements table 6: User Profile Fields

Req. No.	Priority	Description	Implementation Phase
UP1	Mandatory	The platform shall support the user profile fields defined in Table 3	1.1. First deployment

2.2.6.2. User roles

The user and admin portals shall support a minimum set of user roles to be defined. The following table lists the mandatory roles to be supported by the portal. Users shall be able to have several roles that shall be adaptable per call and per call cut-off period.

Table 4: User Roles

Ref no	User role	User role abbreviation	Portal	Role description	Related call (currently available)	Multi-role comment
1	Admin	ADM	Admin	The Admin role is reserved only for the EuroHPC JU staff. The Admin is able to create calls, define forms, and manage the full workflows. The admins oversee the user database and take care of the resources offered per partition. The Admin role shall entail full control of all processes defined in the specifications, including being able to assign and remove assignments of all other user roles.	All	N/A
2	Peer-Review Officer	PRO	Admin	The PRO role is an admin role with fewer permissions within the portal. The role should be able to view proposals and interact with the basic functionality but cannot edit and publish calls.	All	N/A
3	Applicant	APP	User	The Applicant role is a user role that is able to submit proposals to open calls. Other user roles should be able to submit proposals as well, so the Applicant role is a default for all except the CCR.	All	Can share a role with all roles except the CCR
4	Computing Centre Representative	CCR	User	This role entails management of the technical assessments for all open calls. The CCR shall be able to assign TRs from their centre (delegating the evaluations) and also be able to submit the evaluations themselves. The CCR role shall be connected to a general email from an HPC centre and shall be connected to the Partitions indicated in the Partition Manager.	All	N/A
5	Technical Reviewer	TR	User	Technical reviewer role is an user role that provides technical assessments of the open calls. This user role needs to be also connected to the HPC centre and partitions defined in the Partition Manager.	All	Can share a role with APP
6	Access Resource Committee Chair	ARC Chair	User	This role oversees the evaluations of calls that have scientific and rapporteur evaluations. The ARC chair can assign and delete the assignments and can assign DPCs and Rapps to the predefined steps.	Regular Access, Extreme Scale Access	Can share a role with all roles except the CCR

Ref no	User role	User role abbreviation	Portal	Role description	Related call (currently available)	Multi-role comment
7	Domain Panel Chair	DPC	User	This role oversees the reporting of Rapps. The DPC can assign and delete the assignments of Rapps to the predefined steps.	Regular Access	Can share a role with all roles except the CCR
8	Rapporteur	RAP	User	This role is connected to the evaluations of proposals and are usually assigned either by the ARC chair or by the DPC. Usually are assigned as a Lead Rapporteur and a Second Rapporteur - 2 assignments per proposal.	Regular Access, Extreme Scale Access	Can share a role with all roles except the CCR
9	Scientific Reviewer	SR	User	The Scientific Reviewers evaluate the proposals and are assigned by the Admins. They are either assigned or invited through the platform. Assigned in case they have an existing account and invited in case they don't have an account. The invitation shall create a temporary account. Usually, 3 Scientific Reviewers are assigned per proposal and they should not see each other's evaluations.	Extreme Scale Access	Can share a role with all roles except the CCR
10	Call coordinator/Industrial Innovation Group Representative	CC	User	This role is involved in the evaluation of the AI Factories applications. They can be assigned by an automation, by Admins or by a CCR of the same AI Factory.	Large Scale Access	Can share a role with all roles except the CCR and FR
3	Federation Representative	FR	User	This is an observer role that enables an account coming from the EFP group and which is able to download and see awarded proposals for the purpose of onboarding them to EFP.	All calls	N/A
11	EuroHPC JU Staff	JU	User	This is a viewer role that can see the overview and results of the evaluations once the evaluation sessions are completed.	All calls	N/A
*even though the same roles are used in different calls; the permissions and visibility should be specified per cut-off/per call						

Requirements table 7: User roles

Req. No.	Priority	Description	Implementation Phase
UR1	Mandatory	The platform shall support the roles defined in Table 4	1.1. First deployment
UR2	Very High	The platform shall allow the configuration of additional roles, custom defined by the administrator	1.3. Third Deployment – End of Phase 1

2.3. Advanced Features and Software evolution

The contractor commits to work together with the Contracting Authority to evolve the peer-review platform to cover all foreseen features, advanced functionality, and the additional functionality that may be required during the implementation phases. The contractor shall provide a detailed plan on the implementation of foreseen features and improvements that are not available upon the first deployment phase.

2.3.1. Intellectual Property Rights (IPR)

EuroHPC wishes to acquire and evolve the software enabling the provision of the Peer-Review platform (PRP). The intellectual property (IP) of the underlying software of PRP, that is software constituting a self-contained PRP software package, whether developed prior to the procurement or as part of the procurement should be transferred to the Contracting Authority (i.e., the EuroHPC JU will be the platform software owner). Additionally, the managed services, the infrastructure and solution procured will be owned by the Contracting Authority (i.e., the EuroHPC JU will be the platform owner). Any pre-existing PRP code should be forked and together with the further development and evolution of this code instance, shall be considered as the EuroHPC JU PRP software.

The Contractor shall prepare the complete software package including documentation for proper transfer of IP to the Contracting Authority ensuring the completeness and quality of the package.

Requirements table 8: Intellectual property & software evolution

Req. No.	Priority	Description	Implementation Phase
SW1	Mandatory	Self-contained, independent PRP code with clear instructions of exploitation. Any relevant code(s) related to previously developed versions of the software should be forked and a separate branch of the platform should be created.	1.1. First deployment

Req. No.	Priority	Description	Implementation Phase
SW2	Documentation	Clear documentation on each aspect of the software package and code specifics including instructions for compilation and further enhancements as well as specifics of application of each platform component.	Dynamic per development of core features, and in agreement with Contracting Authority, the first delivery expected: 1.3. Third deployment - end of Phase 1
SW3	Documentation	Quality assurance documentation package and test examples with instructions.	Dynamic per development of core features, and in agreement with Contracting Authority, the first delivery expected: 1.3. Third deployment - end of Phase 1

2.3.2. Integration with Federation platform

The EuroHPC is deploying a Federation platform (EuroHPC Federation Platform – EFP) that will act as one-stop shop service to end users providing user-friendly, unified access to the supercomputing services. Integration between the EFP and the Peer-Review platform is essential for the successful provision of both services.

Requirements table 9: EuroHPC JU Federation Platform

Req. No.	Priority	Description	Implementation Phase
FP1	Mandatory	Ensure access and enable exports (csv, xlsx or other applicable formats) of selected data (awarded proposals) for the EFP representatives to facilitate manual transfer of data and integration.	1.1. First deployment
FP2	Very High	The Peer-Review platform shall be integrated with the EuroHPC Federation platform (EFP). The contractor will need to coordinate with the respective contract of the EFP project in order to ensure exchange of information (e.g. through an agreed Application Programming Interface (API)) to support the integration process.	1.3. Third deployment - end of Phase 1
FP3	Very High	Integration shall offer at least the following capabilities from the **user side**:	1.3. Third deployment - end of Phase 1

Req. No.	Priority	Description	Implementation Phase
		- Authentication on both portals with MyAccessID credentials. - Notifications for report submission - Request for project extension - Request for additional resources	
FP4	Very High	Integration shall offer at least the following capabilities from the **administrative side**: - Authentication on both portals with MyAccessID credentials - Monitoring of project consumption per system - Alerting for under/overspending of resources - Notifications for report submission - Management for project extension requests - Management for additional resource requests	1.3. Third deployment - end of Phase 1

In line with the peer-review processes defined in each access call, the integration with the EFP will be essential for all **awarded projects**. The dynamic and automated communication between the PrP and the EFP is required for, but not limited to, the following aspects:

- Results transfer of awarded projects **after the acceptance of the award** stage in case of Extreme Scale Access, Regular Access, AI for Science and Collaborative EU Projects Access and the AI Factory Large Scale Access calls.
- Results transfer of awarded projects **after successful Technical Assessment** in case of Benchmark Access, Development Access, AI Factory Playground Access, AI Factory Fast Lane Access and the Quantum Access calls.
- Information updates of **accepted extension requests** of awarded projects in case of Extreme Scale Access, Regular Access and the AI for Science and Collaborative EU Projects Access calls.
- Receiving any potential changes done on the project regarding to project start and end dates, extension dates. resources allocations (increase or cut of allocated resources), team members updates, etc.

The PrP, besides the regular registration of users, will have to integrate MyAccessID as a secondary method for authentication of users that will be onboarded to use the HPC systems.

2.3.3. Advanced functionality

The following features are forward looking with the aim to make the platform more integrated with existing organizational tools and implementing current state-of-the-art automation.

Requirements table 10: Advanced functionality

Req. No.	Priority	Description	Implementation Phase
AF1	High	The platform shall support the exchange of information and data needed in the existing EuroHPC/European Commission IT tools. The supporting options should include and are not limited to: - Expert management - Payments management - Budget management The selected contractor commits to work closely together with the Contracting Authority in order to seek supporting options and potential integration opportunities and prioritize features to be implemented throughout the contract duration.	2.4. Fourth Deployment - end of Phase 2
AF2	High	The platform shall integrate AI capabilities offering AI-powered functionality in various aspects including: - Selection of experts and assignment of experts and rapporteurs to evaluation of proposals. - Administrative and eligibility checks of proposals. - Project monitoring and automation of sending of reminders, warning of underspending/overspending of resources (in collaboration with the EFP). - Generation of reports, statistics and graphs per call and overall. - etc.. The selected contractor commits to work closely together with the Contracting Authority in order to seek integration opportunities and prioritize features to be implemented throughout the contract duration.	2.4. Fourth Deployment - end of Phase 2

2.4. Project Management and Services

The contractor is expected to adopt a recognized project management methodology (such as Scrum) for the overall management.

2.4.1. Project Timeline and Implementation Phases

The project shall follow to the best ability the foreseen implementation. The project phases follow the contractual obligations[4] (Phase 1 and Phase 2 and the possibility of two (2) renewals) which are split into several deployment stages that indicate milestones (followed by deliverables) of the project. In this line, the stages are indicating different instances of the platform deployment. The platform deployment is a production release of newly developed features, fixes and improvements foreseen within this document. Each deployment stage should be followed with foreseen deliverables referred to within this document and specified in the Section 4.

The implementation phases and timelines are defined in the table below.

Table 5: Indicative project implementation phases and deliverable months

LABEL/ PHASE	DEPLOYMENT STAGE	DESCRIPTION	DURATION (in months)	DELIVERABLE MONTH
1	**Phase one**	**Foreseen 3 deployments**	**12**	**-**
1.1	First deployment - 4 months after contract signature	First version of the platform go-live with migrated data and corresponding features	4	M4
1.2	Second deployment - Phase 2 continuation acceptance testing	Deployment of features foreseen for this stage and performance of acceptance testing	6	M9
1.3	Third deployment - end of Phase 1	Deployment of remaining features foreseen for the conclusion of Phase 1	3	M12
2	**Phase two**	**Foreseen 4 deployments**	**24**	**-**
2.1	First deployment of Phase 2	Deployment of features foreseen for this stage	6	M18
2.2	Second deployment of Phase 2	Deployment of features foreseen for this stage	6	M24
2.3	Third deployment of Phase 2	Deployment of features foreseen for this stage	6	M30

[4] CF Article I.3.6 and I.3.7 of the Draft Contract

LABEL/ PHASE	DEPLOYMENT STAGE	DESCRIPTION	DURATION (in months)	DELIVERABLE MONTH
2.4	Fourth deployment - end of Phase 2	Deployment of features foreseen for completion of Phase 2	6	M36
3	**First renewal of Phase 2**	**Maintenance and services**	**12**	**M48**
4	**Second renewal of Phase 2**	**Maintenance and services**	**12**	**M60**

2.4.2. Quality of Service

The service provided shall conform to the following conditions:

- The contractor shall ensure **98%** yearly portal (both admin and user) availability**.**
- In case of portal unavailability, the provider shall respond within **4 hours** and ensure bringing the service back online within **24 hours**.
- In case of software bug, the provider shall respond within the **Next Business Day** acknowledging the reception of request for the bug fix. The fix should be applied within **2 days** after notification.
- In case of request of a new feature on the Peer-Review portal, the provider shall ensure implementation within **5 working days** after agreement with the Contracting Authority regarding the feature to be implemented.
- For all other cases, the helpdesk shall achieve an incident resolution of 80% within 1 day (time between reporting the incident and the time the contractor solves the ticket by a permanent solution or an acceptable temporary workaround).

The contractor shall cater to the following service aspects:

Requirements table 11: Quality of service

Req. No.	Priority	Description	Implementation Phase
SV1	Mandatory	Hosting of the platform in at least two separate environments (main and backup) in respective number of cloud zones located in the European Union ensuring quick failover in case of zone unavailability.	1.1. First deployment
SV2	Mandatory	Provision of staging environments for operational portals allowing pre-production testing of new facilities.	1.1. First deployment
SV3	Mandatory	On-call support to administrator and end-user requests	1.1. First deployment

Req. No.	Priority	Description	Implementation Phase
SV4	Mandatory	The contractor will bear the responsibility for the migration of data from the existing peer-review portal to the new instances.	1.1. First deployment
SV5	Mandatory	The contractor will support the final handover and migration of the portal to a potential new instance at the end of the contract.	Dynamically depending on the contract end date. The readiness to support this migration should be available immediately at 1.1. First deployment
SV6	Mandatory	The portal shall safeguard GDPR principles at all times. It shall provide functionality to allow users to indicate the level of information they would like to disclose to the EuroHPC JU and that could be reused for other purposes. The platform administrators shall be able to customize forms and fields of user forms and submission of proposals to accommodate the GDPR requirements.	1.1. First deployment
SV7	Documentation	Complete documentation of the platform functionality from the administrative point of view.	Dynamically depending on the user needs. The first set of documents shall be available immediately at 1.1. First deployment
SV8	Documentation	Detailed documentation shall be provided to end users regarding the functionality available including how to create accounts, how to create and submit proposals, how to track the progress of an application; how to request support for administrative issues (from the EuroHPC Peer-review team); how to request support for operational issues (from the contractor use support team).	Dynamically depending on the user needs. The first set of documents shall be available immediately at 1.1. First deployment

Req. No.	Priority	Description	Implementation Phase
SV9	Very High	The contractor shall develop online material in the form of pre-recorded video tutorials, covering the core end-user functionality of the platform.	Dynamically depending on the user needs. The first set of documents should be available at 1.3. Third deployment- end of Phase 1
SV10	Very High	The tenderer shall describe how functional analysis and quality assurance is implemented in the platform. Functional Analysis: Analysing and documenting the system's functional requirements, bridging the gap between stakeholders and the development team to ensure the system aligns with business objectives. Quality Assurance: Conduct thorough testing to identify bugs and ensure the software meets quality standards.	Dynamically depending on the needs. The first reporting should be at 1.3. Third deployment- end of Phase 1

2.4.3. Project team requirements

The contractor is expected to provide an adequate team able to support the development and operation of the Peer-Review platform throughout the duration of the contract.
The contractor shall ensure **a team of minimum five (5) staff** working on the project, covering the following roles:

- **project manager** overviewing and ensuring the quality of project implementation and quality of services
- **backend web developers** supporting software evolution and bug fixing
- **frontend web developer** supporting software evolution and bug fixing
- **web designer** focusing on UX (user experience) and UI (user interface) designs for both administrative and user portals
- **system administrators** overviewing platform operations, back-end cloud services, testing and operating the ticketing system

The detailed Project team requirements are covered by the **Part 1: Administrative specifications** document.

2.4.4. Acceptance Testing

After the migration and deployment phases have finished, the contractor together with the Contracting Authority will run a set of acceptance tests to ensure the proper functionality of the platform. Only after all tests are passed successfully the platform will be considered as delivered and the maintenance and support period will start along with the normal operations of the portal.

Requirements table 12: Acceptance testing

Req. No.	Priority	Description	Implementation Phase
AT1	Mandatory	The contractor shall provide a detailed acceptance plan covering all the core functionalities of the platform. The acceptance tests shall include at least the following functions: - Registration of new users with various profiles. - Submission of a proposal for one of the existing EuroHPC Access Calls. - Complete the evaluation workflow starting from the administrative checks up to the final acceptance or rejection of the proposal and submission of results to applicants. - Creation of new calls - Creation of new submission forms for existing calls or new calls. - Extraction of reports and statistics for users, proposals and calls.	1.1. First deployment
AT2	Very High	The contractor shall propose additional functionality tests including integration tests with the EFP.	1.3. Third deployment – end of Phase 1

3. EUROHPC JU ACCESS CALLS AND CORRESPONDING PEER-REVIEW PROCESSES DESCRIPTION

The Peer-Review portal shall facilitate the implementation of calls for the following EuroHPC JU access calls and their associated number of cut-off periods which includes specific dates, within specific Time-to-Complete (TTC), in compliance with the Access Policy. The access calls implemented at the time of the tender publication are as indicated in table below:

Table 6: EuroHPC JU Access Calls

Access call	Expected evaluations per calendar year
Extreme Scale Access	2
Regular Access	2
Benchmark Access	12
Development Access	12
AI for Science and Collaborative EU Projects Access	6
AI for industrial innovation – AI Factory Large Scale Access	24
AI for industrial innovation – AI Factory Fast Lane	Continuously open without cut-off dates
AI for industrial innovation – AI Factory Playground	Continuously open without cut-off dates
Quantum Access	12

The following sections describe in detail the evaluation process for each access call and the functionality to be provided by the Peer-Review platform for each one of them.

3.1.1. Extreme Scale Access

The Extreme Scale Access call is designed for applications with high-impact, high-gain innovative research, open to all fields of science, industry and public sector justifying the need for and the capacity to use extremely large allocations in terms of compute time, data storage and support resources. This access call distributes resources from the EuroHPC pre-exascale systems.

This call offers three distinctive application tracks:

- Scientific Access – Intended for applications from the academia and public research institutes.

- Industry Access – Intended for applications with Principal Investigator (PIs) coming from industry.
- Public Administration Access – Intended for applications with PIs coming from the public sector.

The call is continuously open, with pre-defined cut-off dates that will trigger the evaluation of the proposals submitted up to this date.

The maximum time-to-resources-access of **six (6) months** after the date of cut-off and the allocations are granted for a period of **twelve (12) months**.

The evaluation is based on the technical review and scientific peer-review of all proposals. Award decisions follow the ranking of proposals according to three (3) criteria of: excellence, innovation and impact, and quality of implementation.

The peer-review process for proposals submitted to the Extreme Scale Access call follows the workflow below:

STEP 1. Administrative check

The Peer-Review Sector checks the proposals in two parts: the online submission form and the Project Scope and Plan document. The proposals are assessed for any administrative inconsistency and the proposals must pass the administrative check in order to proceed to next evaluation steps. The Peer-Review Sector will communicate the outcome of the Administrative check within 1 week of the cut-off date to the applicants. Proposals that have been administratively rejected will not proceed further and are advised to be resubmitted to another cut-off taking into consideration any comments provided by the Peer-Review Sector.

STEP 2. Technical assessment

The Hosting Entities evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted, conditionally accepted or rejected. In case the proposal has been rejected, it will still proceed to the further steps of the evaluation.

STEP 3. Rapporteur reviewer suggestions

The PRS assigns two (2) Rapporteurs (one Lead Rapporteur one Second Rapporteur) per proposal. The Rapporteurs suggest and submit external review suggestions – minimum three (3) per assignment.

STEP 4. Access Resource Committee (ARC) questions

The Rapporteurs are simultaneously to STEP 3 assigned to the ARC questions step where they can submit their specific questions for applicants to address during the Response Phase (STEP 6).

STEP 5: Scientific reviewers assignment

Within this step, the scientific reviewers are assigned to the proposals and within this step they express their interest to evaluate the assigned proposals. This step serves as a confidentiality consent and provides the basic details of the proposal that is necessary to assess the absence of any Conflicts-of Interest and to finally express their willingness to evaluate the proposal.

STEP 6. Scientific evaluation

The proposals are evaluated on their scientific merit by three external Scientific Reviewers. Each Reviewer will evaluate the proposal according to the three (3) evaluation criteria: Excellence, Innovation and Impact, Quality and Efficiency of the Implementation.

STEP 7. Response phase

The applicants will have the opportunity to reply to the submitted evaluations in order to explain potential criticisms raised by the technical and scientific referees.

STEP 8. Individual Report

Each proposal that was assigned two Rapporteurs in the STEP 3. Reviewer Suggestions will be assigned the same Rapporteurs in the Individual Report step. The Rapporteurs will evaluate and grade the proposals according to the three evaluation criteria. Each Rapporteur will write an Individual Report after which, upon agreement, the Lead Rapporteur will be assigned to the Consolidated Report described in the STEP 9.

STEP 9. Consolidated Report

The Lead Rapporteur is assigned to the Consolidated Report and in consensus with the Second Rapporteur consolidates the findings from previously submitted both Individual Reports. The Lead Rapporteur will finally also grade the proposal according to the same three criteria.

STEP 10. Access Resource Committee (ARC) meeting

All proposals are discussed, graded and ranked. The meeting outputs are: a final scoring per proposal according to the mentioned criteria, an overall ranking of the proposals and a resources recommendation per proposal.

STEP 11. Resource Allocation Panel (RAP) meeting

Taking into consideration the provided ranking of all proposals and the resources recommendation, the HPC resources are formally allocated to proposals. The proposals will be awarded resources according to the recommendations and their respective positions in the ranking list provided by the Access Resource Committee during the ARC meeting. The proposals may be moved to other suitable systems or not be awarded in case the resources have been exhausted on the selected system.

STEP 12. EuroHPC JU Governing Board list adaption

The final resources allocation list is forwarded to the EuroHPC JU Governing Board who approves the allocations.

STEP 13. Communication of Results

The Peer-Review Sector will communicate the final results to all applicants. They will receive an email with the decision regarding their proposal and can consult this same final outcome in the Peer-Review platform.

STEP 14. Award acceptance

The applicants shall, if awarded resources, accept the award in the Peer-Review platform. This action will trigger a notification to the Hosting Entities that will accordingly contact the applicants to arrange system access.

STEP 14.a. Extension Request

The awarded users can request an extension where they need to describe the circumstances and resources usage preceding the request for extension. This needs to be requested at the latest one month before the project end.

STEP 14.b. Extension Request Assessment

The submitted extension request is evaluated by the awarded Hosting Entity that will assess whether the extension request is valid and whether it can be accepted.

STEP 14.c. Extension Request Final Decision

The PRS based on the extension request assessment submits the final decision regarding the project extension that is communicated to the users requesting the extension.

STEP 15. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period (including potential extensions) ends.

Figure 1 depicts the workflow used to implement the Extreme Scale Access evaluation process. Figure 2 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 7 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

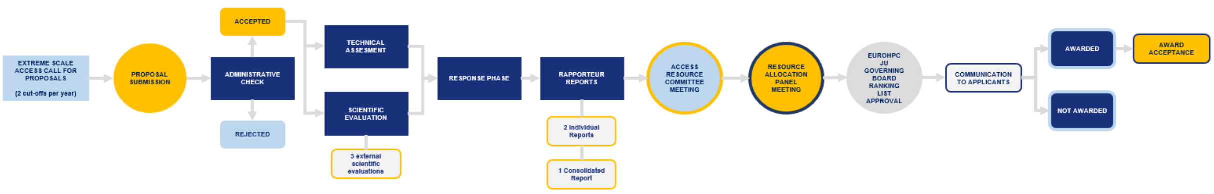

Figure 1: Extreme Scale Access Evaluation Workflow

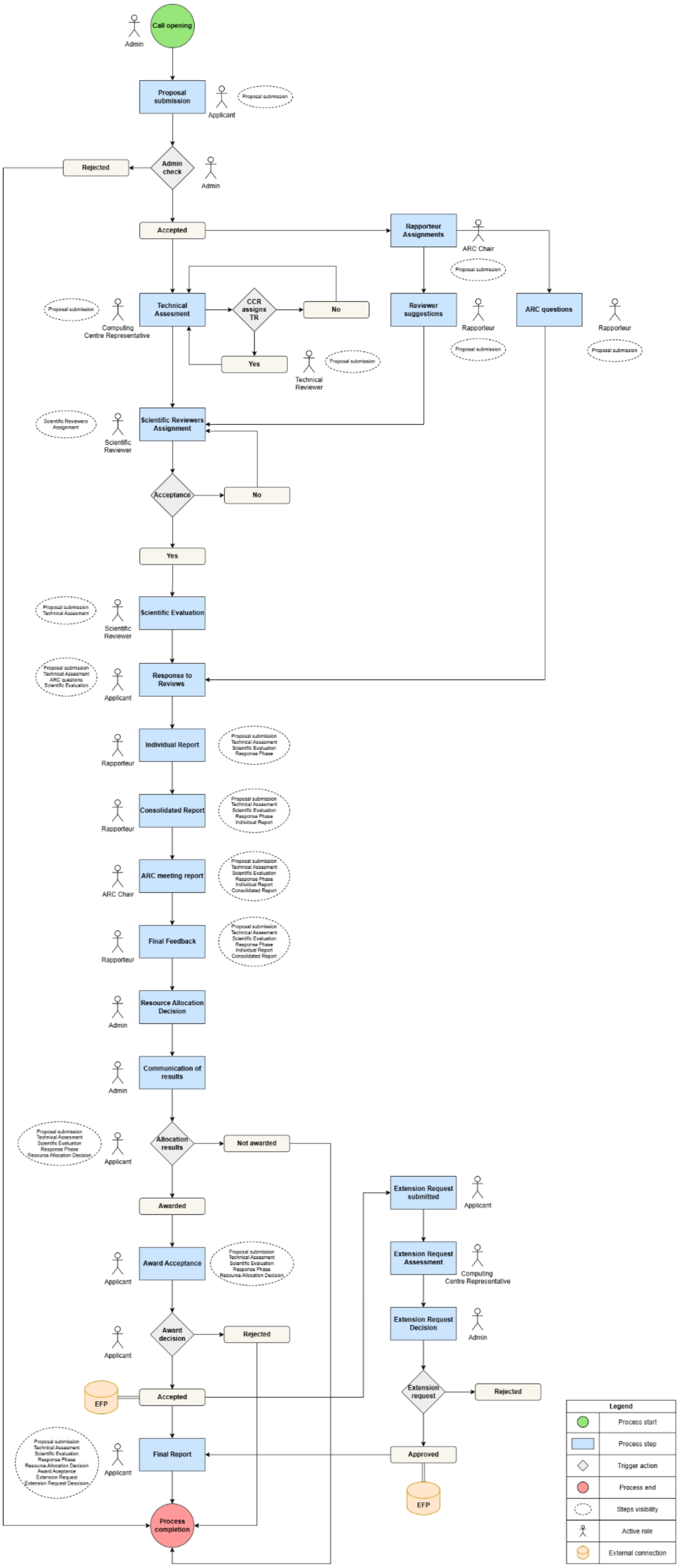

Figure 2: Extreme Scale Access Logic and Permissions Diagram

Table 7: Extreme Scale Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
1	Proposal submission	The applicants fill and submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
2	Administrative Check	The office executes the admin check of all proposals submitted - only the proposals that have been accepted proceed to further steps of the evaluation	Ability to review the proposal and write the results of the review: - Accept - this action triggers the proposal to be assigned to the Technical Assessment step - Reject - this action gives the status Admin rejected and does not proceed to further steps of the evaluation - Request changes - this action opens the proposal for the Applicant to be able to edit a specific field(s) that the office unlocks The Admin Check review has to be possible numerous times on the same proposal.	Notification email to the Applicant about the outcome of the Admin check (accepted, rejected or requested changes), with the Principal Investigator, and the Contact person in Cc. Admin accepted proposals are assigned to the Technical Assessment step.	Admin, Applicant	Applicant & Admin can see all proposals ARC Chair can see Admin accepted proposals	Accepted proposals - N/A since they immediately proceed to the Technical Assessment Rejected proposals - **Administratively Rejected** Requested changes - **Changes requested**	**Applicant:** - Accepted proposals - **Under evaluation** - Rejected proposals - **Administratively Rejected** - Requested changes - **Changes requested**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
3	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications.	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Technical Assessment** Evaluation submitted - **Technical Assessment Submitted**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Evaluation submitted - **Technical Assessment Submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
4	Rapporteurs Assignments	The proposals are assigned by the ARC chair to the Rapporteurs	The permission to do the assignments should be given to the ARC chair and to the Admin Prior to accepting the assignment - the Rapporteurs need to confirm the absence of any Conflict-of-interest: - functionality to provide a pop-up window with a CoI description that the Rapporteurs need to confirm - only then they can accept the assignment. - the CoI text should be able to be modified by the Admins at any point in time	1. Assignment to each proposal should trigger notification email to the respective Rapporteurs. 2. Acceptance of assignment and rejection of assignment by each Rapporteur should trigger notification emails. *the platform should have an option to separate the Lead and Second Rapporteur	Admin, ARC Chair, Rapporteurs	The Rapporteurs gain visibility once they are assigned to the following steps: - Proposal submission - Technical Assessment	Double status: - From the technical assessment step: *Assigned to the step - **Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before assigning: **Pending Rapporteur assignment** *After assigning: **Rapporteurs assigned**	**ARC Chair:** - Before assigning: **Pending Rapporteur assignment** - After assigning: **Rapporteurs assigned**
5	Reviewers suggestions	The Rapporteurs submit the forms that contain 3 groups of information for the scientific reviewers suggestions	There are several functionalities connected to this step: - the Rapporteurs are able to add more than 3 suggestions but a form containing 3 suggestions should be there - the form is unlockable at any time by the Admin in order to request further suggestions - once submitted - the form enables the Admins to invite the reviewers from the form itself - these reviewers should then be assigned to the Scientific evaluation step	Submission of each suggested name by the Rapporteurs, request to suggest more names by the Admin, invitation of the suggested Scientific Reviewers by the Rapporteur or Admin- all should trigger email notifications.	Admin, Rapporteurs	Admin, Rapporteurs, ARC chair	Double status: - From the technical assessment step: *Assigned to the step - **Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before submitting: **Pending Reviewer suggestions** *After submitting:	**Rapporteur:** - Before submitting: **Pending Reviewer suggestions** - After submitting: **Reviewer suggestions submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
							Reviewer suggestions submitted	
6	Access Resource Committee Questions	The Rapporteurs submit an optional form where they can add questions to the applicants	There are several functionalities connected to this step: - the Rapporteurs are able to add questions to the applicants - the form is unlockable at any time by the Admin in order to request changes	Submission of the form triggers and email notification to the assignment owner. The step becomes visible to Applicants in the Response to reviews step.	Admin, Rapporteurs	Admin, Rapporteurs, ARC chair	Double status: - From the technical assessment step: *Assigned to the step - **Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before submitting: **Pending ARC Questions** *After submitting: **ARC Questions submitted**	**Rapporteur:** - Before submitting: **Pending ARC Questions** - After submitting: **ARC Questions submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
7	Scientific Reviewers Assignment	Scientific reviewers are invited and can provide their interest in evaluating the assigned proposal	The Scientific Reviewers are invited and assigned to a proposal. The step should be able to handle multiple assignments. The step needs to cover the following: - Reviewers acceptance of confidentiality agreements - After confidentiality acceptance, the reviewers can see partial selective information on the proposal - displayed within the assigned step. - After viewing these details, the reviewers can accept/express their interest in evaluating the proposal.	Assignment of reviewers and submission of the form triggers email notifications to the assignment owner and to the admin.	Scientific Reviewers, Admins	The reviewers gain visibility only on the assigned step.	Double status: - From the technical assessment step: *Assigned to the step - **Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before submitting: **Scientific Reviewer Assigned** *After submitting: **Scientific Reviewer Submitted**	**Scientific Reviewer:** - Before submitting: **Pending Scientific Reviewers Assignment submission** - After submitting: **Scientific Reviewer Assignment Submitted**
8	Scientific Evaluation	The Admins assign Scientific Reviewers who submit the Scientific evaluation form - preferably 3 per proposal	Aside from the functionality of the Reviewers suggestions step, the Admins are able to assign and invite the reviewers on this step as well. The step should be able to handle multiple assignments. Multiple forms and scoring system implemented on this step. The CoI functionality should also be implemented on this step.	Assignment of proposals to the Scientific Reviewer (upon accepting the Invitation), acceptance or rejection of the assigned proposal by the Scientific Reviewer (based on COI) and submission of each evaluation should trigger email notifications.	Scientific Reviewers, Admins	The reviewers are able to gain visibility to the following steps once accepting the assignment: - Proposal submission - Technical Assessment The reviewers are not able to see each other's forms.	Can display all 4 at the same time: Main status - **Under Scientific Evaluation**, details: *Assigned/invited a reviewer: **No of reviewers invited**, e.g. 3 Reviewers invited *Reviewer accepted: **No of reviewers accepted**, e.g. 2 Reviewers accepted *Reviewer declined: **No**	Scientific Reviewer: - Before accepting the assignment: Pending acceptance - After accepting the assignment: Pending scientific evaluation - After submitting the form: Scientific evaluation submitted - After rejecting the assignment: Scientific evaluation assignment rejected

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
							of reviewers rejected, e.g. 1 Reviewer rejected *Reviewer submitted: **No of reviews submitted**, e.g. 2 reviews submitted	
9	Response to Reviews	The Amin unlocks this step for the Applicants - the Applicants can reply/submit their comments connected to the submitted evaluations within the Technical Assessment and Scientific Evaluation steps	This step should be unlockable by the Admin functionality - the Admins unlocks the step which automatically assigns the Applicant to it. The applicants can submit their forms within a given deadline.	1. Unlocking of the Response to Review phase triggers notification to the Applicants, with the PI and Contact person in Cc, which mentions the deadline for the submission. 2. Submission of response by the applicants triggers notification emails, thanking them for the submission. Submission of the responses or the passage of the deadline for this assignment triggers the assignment of Rapporteurs in the Individual Report step.	Applicant, Admin	Unlocks the Applicant's visibility to Technical Assessment and Scientific Evaluation (the Applicant shouldn't see the names of all reviewers); Roles that see the step once its opened : Applicant, Admin, Roles that see the step once its submitted: CCR, Rapporteur, ARC Chair	After unlocking the assignment: Response phase unlocked After the applicant submits/deadline passes - the status will be from the next step (Individual Report)	**Applicant:** - Before submitting: **Response to Reviews submission pending** - After submitting: **Under Rapporteur evaluation**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
10	Individual Report	The Rapporteurs submit write and submit their Individual Reports	This step should be unlockable by the Admin and an automatic unlock functionality: - the Admins can unlock the step at any given time - the unlock should assign the Rapporteurs from the Rapporteurs Assignments/Reviewers suggestions step - since the Response to reviews is not mandatory, it is needed that the step can also be unlocked automatically once the deadline of the Response to Reviews step has passed - once both Individual Reports are submitted, the Lead Rapporteur is assigned to the Consolidated Report step	Submission of each Individual Report triggers a notification email to the respective Rapporteur. The notifications should be different per the Rapporteur role - Lead and Second. Submission of both Individual Reports assign the Lead Rapporteur to the Consolidated Report step.	Rapporteur, Admin	The visibility of the Response to Reviews is granted to the Rapporteurs. Both Rapporteurs are able to see each other's reports	After the automatic assignments: Pending No of IR Individual Reports, e.g. Pending 2 Individual Reports After submission: the status will be from the next step (Consolidated Report)	**Rapporteur & ARC Chair:** - Before submitting: **Pending Individual Report** - After submitting: **Individual Report submitted** - After both Rapps submitted - Lead Rapp sees: **Consolidated Report pending** (from next step)
11	Consolidated Report	The Lead Rapporteur writes and submits the Consolidated Report	The Lead Rapporteur is automatically assigned to this step once both Individual Reports are submitted. The Admins should be able to assign the Lead Rapporteur as a fallback option	A notification email is triggered upon assignment of the Consolidated Report to the Lead Rapporteur and another one upon submission.	Rapporteur, Admin	The visibility of this step is also given to the Second Rapporteur	When the step is unlocked: **Pending Consolidated Report** When the report is submitted: **Consolidated Report submitted**	**Rapporteur & ARC Chair:** - Before submitting: **Pending Consolidated Report** - After submitting: **Consolidated Report submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
12	ARC meeting feedback	Ther ARC Chair writes comments connected to the ARC meeting outcome - step on a cut-off basis not per proposal	The step should be unlocked by Admin. Since we have a Chair and a Vice-chair, we need 2 assignments here.	A notification email is triggered upon unlocking of this step, mentioning the deadline, and another one upon submission.	ARC Chair, Admin	ARC Chair, Admin, Rapporteurs	Not per proposal but per cut-off: Assigned: **Pending ARC Chair overview** When both are submitted: **ARC Chair overview submitted**	**ARC Chair:** - Not per proposal but per cut-off: *Assigned: **Pending ARC Chair overview** *When both are submitted: **ARC Chair overview submitted**
13	Final feedback	The Lead Rapporteur writes feedback per proposal after the ARC meeting	The step should be unlocked by Admin. After unlocking, the Lead Rapporteur is assigned to the step. The feedback should be duplicated in the designated area in the Resources Allocation step (a connection between the fields)	Upon unlocking of the step, each Lead Rapporteur gets notification email and another notification email is generated upon submission of the Final feedback.	Rapporteur, Admin	ARC Chair, Admin, Rapporteurs	Step unlocked: **Pending Final Feedback** Form submitted: **Final Feedback submitted**	**Rapporteur & ARC Chair:** - Step unlocked: **Pending Final Feedback** - Form submitted: **Final Feedback submitted**
14	Resources Allocation Decision	The Admins enter the results and allocation decision per proposal	These forms are filled in by the Admin, The Admin should be automatically assigned to this step for every administratevly accepted proposal. The Applicants whose proposals were awarded are assigned to next steps. Those who were not awarded, this becomes their last assignment once the Admin submits the results.	Submission of the results by the Admin should trigger different notification emails based on the outcome - awarded or not awarded. The step is unlocked by Admin.	Admin, Applicant	Admin, Applicants - the applicants gain visibility to this step without seeing who submitted the step. ARC Chair, Rapporteurs, CCRs defined in both the Application form and in the Resources Allocation Form	Proposal awarded - **Awarded (tentative)** Proposal not awarded - **Not awarded**	**Applicant, ARC Chair, CCR/TR, Rapp:** - Proposal awarded - **Awarded (tentative)** - Proposal not awarded - **Not awarded**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
15	Response to Allocation	This step is applicable only to the awarded applicants. The Applicants formally accept/reject the award.	Only awarded applicants defined in the Resources Allocation Decision step are assigned. They should be automatically assigned as the previous step form is submitted. Admins should be able to assign the applicants as a fallback option.	Applicant's response to allocation (accepted or rejected) should trigger a notification email accordingly. Accepted projects are automatically assigned to the Extension Request and Final Report steps. The visibility becomes available once the admin unlocks.	Admin, Applicant	Applicants, Admins, Rapporteurs, CCRs defined in the Resources Allocation Decision form	Applicant accepts - **Awarded** Applicant rejects - **Rejected award**	**Applicant, ARC Chair, CCR/TR, Rapp:** - Applicant accepts - Awarded - Applicant rejects - Rejected award
16	Extension Request	This step is applicable only to the awarded applicants. This step enables the Applicants to request an extension to the existing running project.	The step should be available to only awarded projects. The request needs to be forwarded to the CCR defined in the Resources Allocation Decision step. The CCR approves/disapproves the request.	A notification email thanking the PI for submission of the request should be triggered by this action and a separate notification email should go to the CCR letting them know about the request, along with a deadline to act on it.	Applicant, Admin, CCR	Applicants, Admins, CCRs	Applicant requests an extension: **Extension request submitted**	**Applicant, ARC Chair, CCR/TR, Rapp:** Extension request submitted/under assessment

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
17	Extension Request Assessment	The step enables the CCR to submit their assessment and also enables them to assign Technical Reviewers to do so in the same line as in the technical assessment step.	The platform should automatically assign a CCR according to the system partition(s) selected in the Resources Allocation Decision step. In case the project was awarded on selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The Admin can also request changes on the submitted forms.	1. A notification email to the assigned Computing Centre Representative (CCR) should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications.	Admin, CCR, TR	Admin, CCR, TR	**CCR assigned**: Pending Extension Request Assessment **CCR/TR submits:** Pending Extension Request Results	**Applicants:** All actions: **Extension request submitted/under assessment** **CCR/TR:** CCR/TR assigned: Pending **Extension Request Assessment** CCR/TR submits: **Extension Request Assessment submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
18	Extension Request Results	The Admin is assigned to this step and can submit the forms providing the final results of the assessment.	The Admins submit the final results form that provides the decision on the extension request.	The submission sends a notification to applicants and CCRs. The submission provides visibility to the applicant and CCR.	Admin, Applicant, CCR	Admin, Applicant, CCR	**Admin assigned**: Pending Extension Request Results **Admin submits:** - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**	Admin submits extension requests results: - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**
19	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applicant, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, ARC Chair, CCR/TR, Rapp:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.2. Regular Access

The Regular Access call is open to all fields of science, industry and the public sector, and invites applications which present compelling cases that will enable scientific innovation in the domains covered. The expected impact in the application's domain shall justify the need for large allocations in terms of compute time, data storage and support resources. This access call distributes resources from the EuroHPC peta-scale and pre-exascale systems.

This call offers three distinctive application tracks:

- Scientific Access – Intended for applications from the academia and public research institutes.
- Industry Access – Intended for applications with Principal Investigator (PIs) coming from industry.
- Public Administration Access – Intended for applications with PIs coming from the public sector.

The call is continuously open with pre-defined cut-off dates that will trigger the evaluation of the proposals submitted up to the cut-off date.

The maximum time-to-resources-access is of **four (4) months** after the cut-off date and the allocations are granted for a period of **twelve (12) months**.

The evaluation is based on the technical review and scientific peer-review of all proposals. Award decisions follow the ranking of proposals according to three (3) criteria of: excellence, innovation and impact, and quality of implementation.

The peer-review process for proposals submitted to the Regular Access call follows the next workflow:

STEP 1. Administrative check

The Peer-Review Sector checks the proposals in two parts: the online submission form and the Project Scope and Plan document. The proposals are assessed for any administrative inconsistency and the proposals must pass the administrative check in order to proceed to next evaluation steps. The Peer-Review Sector will communicate the outcome of the Administrative check within 1 week of the cut-off date to the applicants. Proposals that have been administratively rejected will not proceed further and are advised to be resubmitted to another cut-off taking into consideration any comments provided by the Peer-Review Sector.

STEP 2. Technical assessment

The Hosting Entities evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted, conditionally accepted or rejected. In case the proposal has been rejected, it will still proceed to the further steps of the evaluation.

STEP 3. Rapporteur reporting

Proposals are distributed according to their research topics to the respective Domain Panels according to their research topics. The Domain Panel Chair assigns proposals to two (2) panel members (Rapporteurs) to evaluate the proposals per three (3) set criteria: Excellence, Innovation and Impact, Quality and Efficiency of the Implementation.

STEP 4. Domain Panel meeting

Every Domain Panel involved in a cut-off will discuss separately proposals in their domain and provide: a consolidated scoring per proposal according to the mentioned criteria, a ranking of the proposals and a resources recommendation per proposal.

STEP 5. Super Panel meeting

All proposals are discussed collectively, irrespective of their domains. The meeting outputs are: a final scoring per proposal according to the evaluation criteria, an overall ranking of the proposals and a resource recommendation for each proposal.

STEP 6. Resource Allocation Panel (RAP) meeting

Taking into consideration the provided ranking of all proposals and the resources recommendation, the HPC resources are formally allocated to proposals. The proposals will be awarded resources according to the recommendations and their respective positions in the ranking list provided by the Access Resource Committee during the Super Panel Meeting. The proposals may be moved to other suitable systems or not be awarded in case the resources have been exhausted on the selected system.

STEP 7. EuroHPC JU Governing Board list adoption

The final resources allocation list is forwarded to the EuroHPC JU Governing Board who approves the allocations.

STEP 8. Communication of results

The Peer-Review Sector will communicate the final results to all applicants. Applicants receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 9. Award acceptance

The applicants shall, if awarded resources, accept the award in the Peer-Review platform. This action will trigger a notification to the Hosting Entities that will accordingly contact the applicants to arrange system access.

STEP 13.a. Extension Request

The awarded users can request an extension where they need to describe the circumstances and resources usage preceding the request for extension. This needs to be requested at the latest one month before the project end.

STEP 13.b. Extension Request Assessment

The submitted extension request is evaluated by the awarded Hosting Entity that will assess whether the extension request is valid and whether it can be accepted.

STEP 13.c. Extension Request Final Decision

The PRS based on the extension request assessment submits the final decision regarding the project extension that is communicated to the users requesting the extension.

STEP 14. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period (including potential extensions) ends.

Figure 3 depicts the workflow used to implement the Regular Access evaluation process. Figure 4 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 8 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

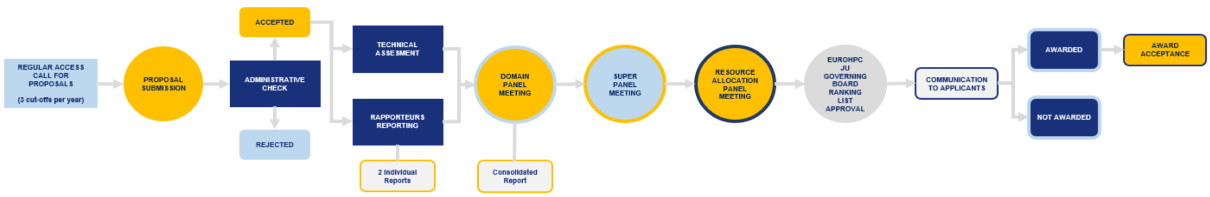

Figure 3: Regular Access Evaluation Workflow

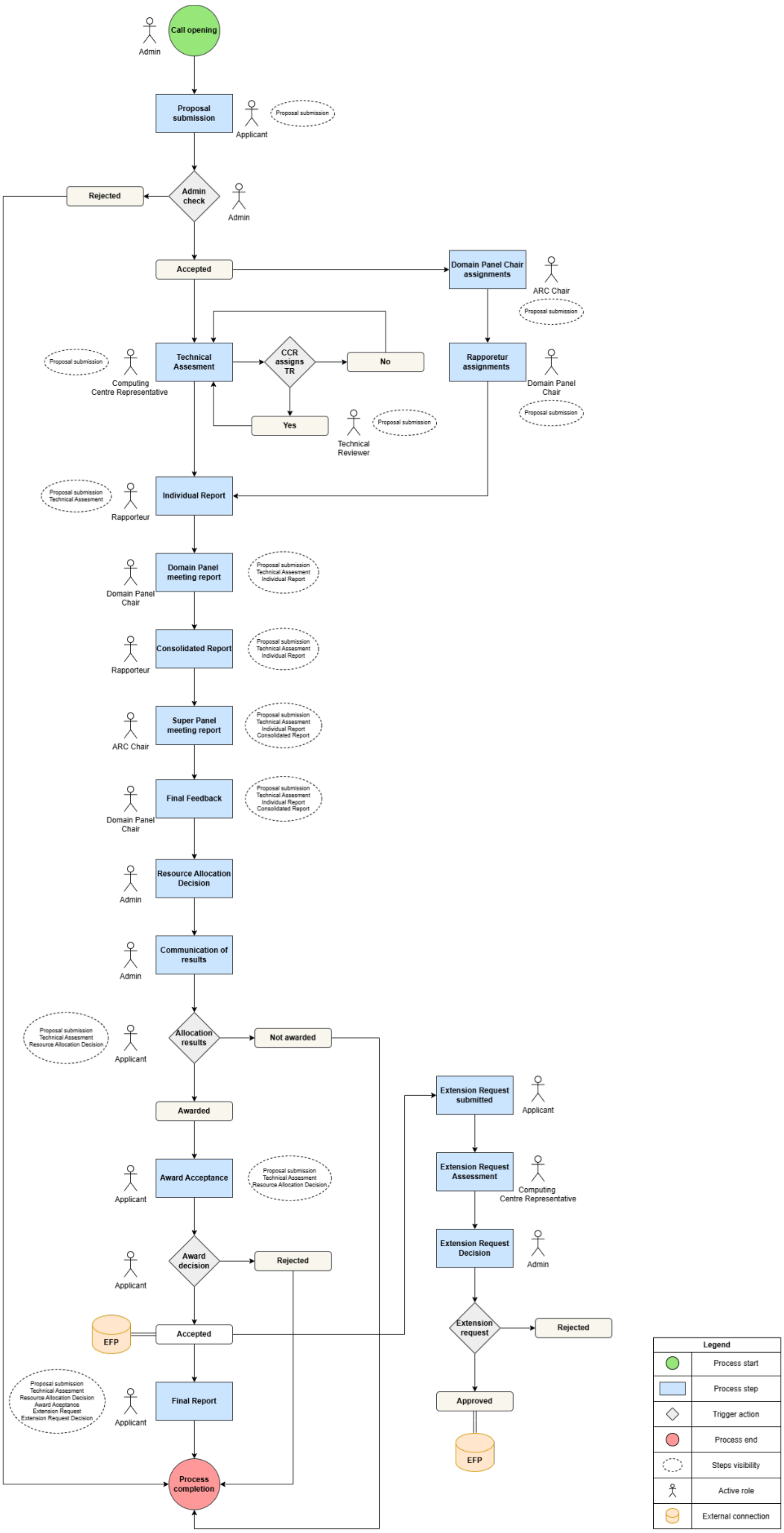

Figure 4: Regular Access Logic and Permissions Diagram

Table 8: Regular Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
20	Proposal submission	The applicants submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
21	Administrative Check	The office executes the admin check of all proposals submitted - only the proposals that have been accepted proceed to further steps of the evaluation	Ability to review the proposal and write the results of the review: - Accept - this action triggers the proposal to be assigned to the Technical Assessment step - Reject - this action gives the status Admin rejected and does not proceed to further steps of the evaluation - Request changes - this action opens the proposal for the Applicant to be able to edit a specific field(s) that the office unlocks The Admin Check review has	Notification email to the Applicant about the outcome of the Admin check (accepted, rejected or requested changes), with the Principal Investigator, and the Contact person in Cc. Admin accepted proposals are assigned to the Technical Assessment step.	Admin, Applicant	Applicant & Admin can see all proposals ARC Chair can see Admin accepted proposals	Accepted proposals - N/A since they immediately proceed to the Technical Assessment Rejected proposals - **Administratevly Rejected** Requested changes - **Changes requested**	**Applicant:** - Accepted proposals - **Under evaluation** - Rejected proposals **- Administratevly Rejected** - Requested changes **- Changes requested**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			to be possible numerous times on the same proposal.					
22	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications.	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Technical Assessment** Evaluation submitted **- Technical Assessment Submitted**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Evaluation submitted - **Technical Assessment Submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
23	Domain Panel Chair assignments	The proposals are assigned by the ARC chair to the Domain Panel Chairs	The permission to do the assignments should be given to the ARC chair and to the Admin Prior to accepting the assignment - the Domain Panel Chairs need to confirm the absence of any Conflict-of-interest: - functionality to provide a pop-up window with a CoI description that the Rapporteurs need to confirm - only then they can accept the assignment. - the CoI text should be able to be modified by the Admins at any point in time	1. Assignment to each proposal should trigger notification email to the respective Domain Panel Chairs. 2. Acceptance of assignment and rejection of assignment by each Domain Panel Chair should trigger notification emails.	Admin, ARC Chair, Domain Panel Chair	The Domain Panel Chairs gain visibility once they are assigned to the following steps: - Proposal submission - Technical Assessment	Double status: - From the technical assessment step: *Assigned to the step **- Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before assigning: **Pending DPC assignment** *After assigning: **DPC assigned**	**ARC Chair:** - Before assigning: **Pending DPC assignment** - After assigning: **DPC assigned**
24	Rapporteurs assignments	The proposals are assigned by the Domain Panel Chair to the Rapporteurs	The permission to do the assignments should be given to the Domain Panel chair and to the Admin. Prior to accepting the assignment - the Rapporteurs need to confirm the absence of any Conflict-of-interest: - functionality to provide a pop-up window with a CoI description that the Rapporteurs need to confirm - only then they can accept the assignment.	1. Assignment to each proposal should trigger notification email to the respective Rapporteurs. 2. Acceptance of assignment and rejection of assignment by each Rapporteur should trigger notification emails.	Admin, Domain Panel Chair, Rapporteurs	The Rapporteurs gain visibility once they are assigned to the following steps: - Proposal submission - Technical Assessment	Double status: - From the technical assessment step: *Assigned to the step **- Under Technical Assessment** *Evaluation submitted - **Technical Assessment Submitted** - From this step: *Before assigning:	**DP Chair:** - Before assigning: **Pending Rapporteur assignment** - After assigning: **Rapporteur assigned**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			- the CoI text should be able to be modified by the Admins at any point in time				**Pending Rapporteur assignment** *After assigning: goes to the Individual Report step - so status from the next step should be active	
25	Individual Report	The Rapporteurs submit write and submit their Individual Reports	The Rapporteurs are assigned by the Domain Panel Chairs or by the Admin.	Submission of each Individual Report triggers a notification email to the respective Rapporteur.	Rapporteur, Admin, Domain Panel Chair	Domain Panel chairs, Rapporteurs, Admin, ARC Chair	After the assignments are created: Pending No of IR Individual Reports, e.g. Pending 2 Individual Reports After submission: No of IR Individual Report submitted, e.g. 2 Individual Reports submitted	Rapporteur: - Before submitting: Pending Individual Report - After submitting: Individual Report submitted DP Chair, ARC Chair: - After the assignments are created: Pending No of IR Individual Reports, e.g. Pending 2 Individual Reports - After submission: No of IR Individual Report submitted, e.g. 2 Individual Reports submitted

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
26	Domain Panel Meeting Report	Ther Panel Chair writes comments connected to the Domain Panel meeting outcome - step on a cut-off basis not per proposal	The step should be unlocked by Admin. We currently have 5 domains active so 5 assignments should be defined on a cut-off basis	1. A notification email is triggered to each Domain Panel Chair upon unlocking of this step, mentioning the deadline. 2. Submission of a Report by each Domain Panel Chair triggers a notification email.	Panel Chair, Admin	Panel Chair, Admin, Rapporteurs	Not per proposal but per cut-off: Assigned: **Pending DP Chair overview** When both are submitted: **DP Chair overview submitted**	**DP Chair:** - Not per proposal but per cut-off: *Assigned: **Pending DP Chair overview** *When submitted: **DP Chair overview submitted**
27	Consolidated Report	Either a Rapporteur or a Domain Panel Chair writes a Consolidated Report based on the domain Panel meeting outcome per proposal	An automatic assignment should be created for the Domain Panel Chair; they are then able to assign Rapporteurs or complete the report by themselves. The Admin can also assign Rapporteurs or Domain Panel Chairs as a fallback option.	A notification email is triggered upon assignment of the Consolidated Report to the Lead Rapporteur and another one upon submission.	Panel Chair, Rapporteurs, Admin	Panel Chair, Admin, Rapporteurs	When the step is unlocked: **Pending Consolidated Report** When the report is submitted: **Consolidated Report submitted**	**Rapporteur, DP Chair, ARC Chair:** - Before submitting: **Pending Consolidated Report** - After submitting: **Consolidated Report submitted**
28	Super Panel meeting feedback	Ther ARC Chair writes comments connected to the Super Panel meeting outcome - step on a cut-off basis not per proposal	The step should be unlocked by Admin. Since we have a Chair and a Vice-chair, we need 2 assignments here.	1. A notification email is triggered to the ARC Chair upon unlocking of this step, mentioning the deadline and another email upon submission of the report.	ARC Chair, Admin	ARC Chair, Admin, Rapporteurs, Domain Panel Chairs	Not per proposal but per cut-off: Assigned: **Pending ARC Chair overview** When both are submitted: **ARC Chair overview submitted**	**ARC Chair:** - Not per proposal but per cut-off: *Assigned: **Pending ARC Chair overview** *When both are submitted: **ARC Chair overview submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
29	Final feedback	The Panel Chair writes feedback per proposal after the ARC meeting	The step should be unlocked by Admin. After unlocking, the Domain Panel Chair is assigned to the step. The feedback should be duplicated in the designated area in the Resources Allocation step (a connection between the fields)	Upon unlocking of the step, each Lead Rapporteur gets notification email and another notification email is generated upon submission of the Final feedback.	Domain Panel Chair, Admin	ARC Chair, Admin, Domain Panel Chair, Rapporteurs	Step unlocked: **Pending Final Feedback** Form submitted: **Final Feedback submitted**	**DP Chair, ARC Chair:** - Step unlocked: **Pending Final Feedback** - Form submitted: **Final Feedback submitted**
30	Resources Allocation Decision	The Admins enter the results and allocation decision per proposal	These forms are filled in by the Admin, The Admin should be automatically assigned to this step for every administratevly accepted proposal. The Applicants whose proposals were awarded are assigned to next steps. Those who were not awarded, this becomes their last assignment once the Admin submits the results.	Submission of the results by the Admin should trigger different notification emails based on the outcome - awarded or not awarded.	Admin, Applicant	Admin, Applicants - the applicants gain visibility to this step without seeing who submitted the step. ARC Chair, Rapporteurs, CCRs defined in both the Application form and in the Resources Allocation Form	Proposal awarded - **Awarded (tentative)** Proposal not awarded - **Not awarded**	**Applicant, ARC Chair, DP Chair, CCR/TR, Rapp:** - Proposal awarded - **Awarded (tentative)** - Proposal not awarded - **Not awarded**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
31	Response to Allocation	This step is applicable only to the awarded applicants. The Applicants formally accept/reject the award.	Only awarded applicants defined in the Resources Allocation Decision step are assigned. They should be automatically assigned as the previous step form is submitted. Admins should be able to assign the applicants as a fallback option.	Applicant's response to allocation (accepted or rejected) should trigger a notification email accordingly. Accepted projects are automatically assigned to the Extension Request and Final Report steps. The visibility becomes available once the admin unlocks.	Admin, Applicant	Applicants, Admins, ARC Chair, Domain Panel chair, Rapporteurs, CCRs defined in the Resources Allocation Decision form	Applicant accepts - **Awarded** Applicant rejects - **Rejected award**	**Applicant, ARC Chair, DP Chair, CCR/TR, Rapp:** - Applicant accepts - Awarded - Applicant rejects - Rejected award
32	Extension Request	This step is applicable only to the awarded applicants. This step enables the Applicants to request an extension to the existing running project.	The step should be available to only awarded projects. The request needs to be forwarded to the CCR defined in the Resources Allocation Decision step.	A notification email thanking the PI for submission of the request should be triggered by this action and a separate notification email should go to the CCR letting them know about the request, along with a deadline to act on it.	Applicant, Admin, CCR	Applicants, Admins, CCRs	Applicant requests an extension: **Extension request submitted**	**Applicant, ARC Chair, CCR/TR, Rapp:** Extension request submitted/under assessment

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
33	Extension Request Assessment	The step enables the CCR to submit their assessment and also enables them to assign Technical Reviewers to do so in the same line as in the technical assessment step.	The platform should automatically assign a CCR according to the system partition(s) selected in the Resources Allocation Decision step. In case the project was awarded on selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The Admin can also request changes on the submitted forms.	1. A notification email to the assigned Computing Centre Representative (CCR) should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications.	Admin, CCR, TR	Admin, CCR, TR	**CCR assigned**: Pending Extension Request Assessment **CCR/TR submits:** Pending Extension Request Results	**Applicants:** All actions: **Extension request submitted/under assessment** **CCR/TR:** CCR/TR assigned: Pending **Extension Request Assessment** CCR/TR submits: **Extension Request Assessment submitted**
34	Extension Request Results	The Admin is assigned to this step and can submit the forms providing the final results of the assessment.	The Admins submit the final results form that provides the decision on the extension request.	The submission sends a notification to applicants and CCRs. The submission provides visibility to the applicant and CCR.	Admin, Applicant, CCR	Admin, Applicant, CCR	**Admin assigned**: Pending Extension Request Results **Admin submits:** - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**	Admin submits extension requests results: - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
35	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applicant, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, ARC Chair, DP Chair, CCR/TR, Rapp:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.3. Benchmark and Development Access

The purpose of the EuroHPC JU **Benchmark Access** call is to support researchers and HPC application developers by giving them the opportunity to test or benchmark their applications on the upcoming/available EuroHPC Pre-exascale and/or Petascale system prior to applying for an Extreme Scale and/or Regular Access. The EuroHPC Benchmark call is designed for code scalability tests or for test of AI applications and the outcome of which is to be included in the proposal in a future EuroHPC Extreme Scale and Regular Access call.

The purpose of the EuroHPC JU **Development Access** calls is to support researchers and HPC application developers by giving them the opportunity to develop, test and optimize their applications on the upcoming/available EuroHPC Pre-exascale and/or Petascale system prior to applying for an Extreme Scale and/or Regular Access.

The EuroHPC Development Access call is designed for projects focusing on code and algorithm development and optimization, as well as development of AI application methods. This can be in the context of research projects from academia or industry, or as part of large public or private funded initiatives as for instance Centres of Excellence or Competence Centres. Users will typically be allocated a small number of node hours; the allocation period is one year.

The calls for proposals for EuroHPC JU Benchmark and Development Access are continuously open, with pre-defined cut-off dates fixed every month that will trigger the evaluation of the proposals submitted up to this date. The maximum time-to-resources-access is up to 2 weeks after the cut-off date.

Various systems are available in each cut-off for the Benchmark and Development Access calls. The exact amount of available node hours is subject to the EuroHPC systems participating in each call and will be announced prior to the cut-off dates.

The peer-review process for proposals submitted to the Benchmark and Development Access calls follows the next workflow:

STEP 1. Technical assessment

The Hosting Entities evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted or rejected. In case the proposal has been rejected, it will not be awarded.

STEP 2. Communication of results

The final results are communicated automatically to all applicants after the submission of technical assessment results. They will receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 3. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period ends.

Figure 5 depicts the workflow used to implement the Benchmark and Development Access evaluation process. Figure 6 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 9 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

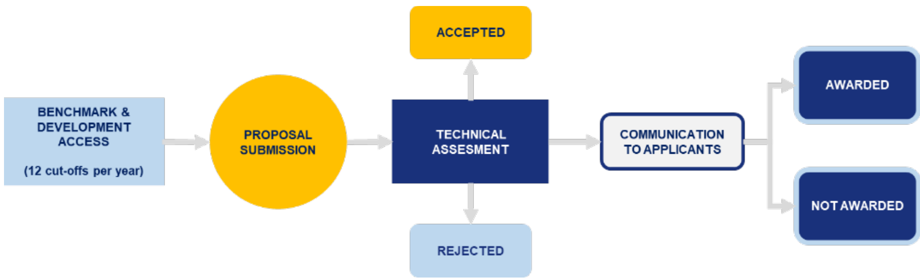

Figure 5: Benchmark and Development Access Evaluation Workflow

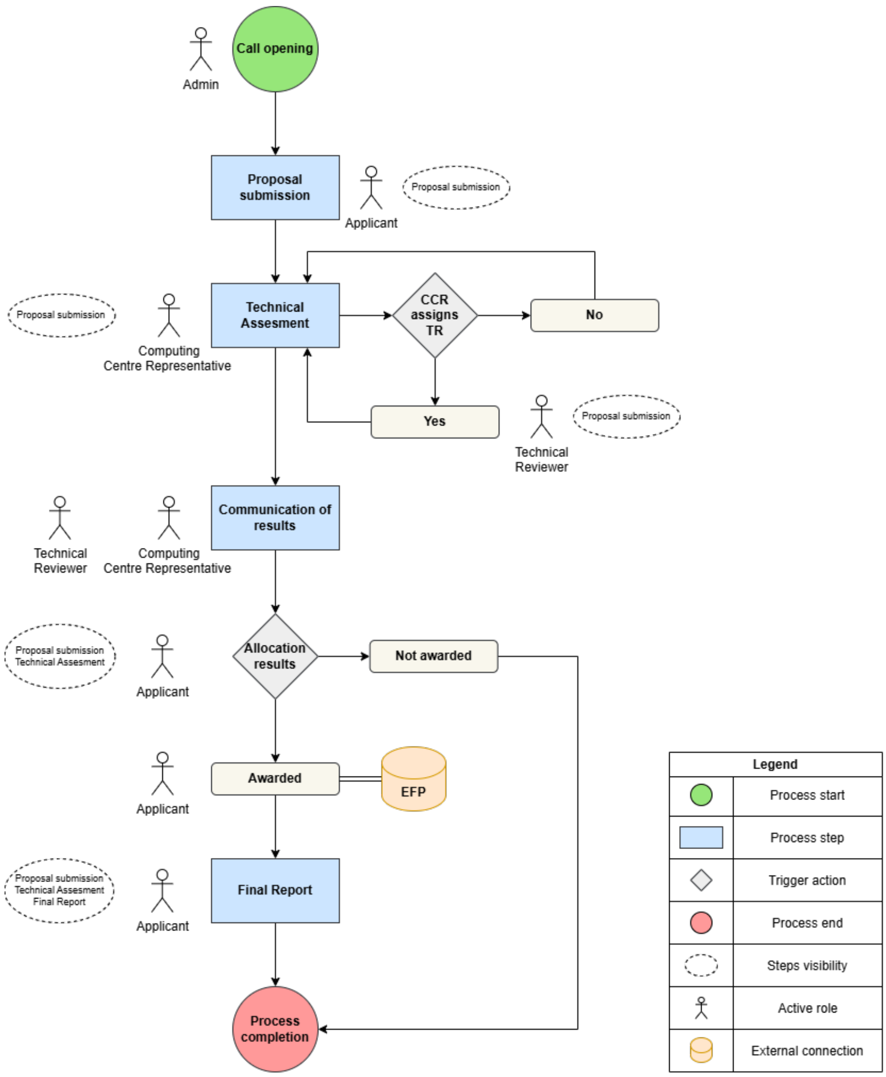

Figure 6: Benchmark and Development Access Logic and Permissions Diagram

Table 9: Benchmark and Development Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
36	Proposal submission	The applicants submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
37	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Technical Assessment** Assessment submitted: - Proposal awarded - **Awarded** - Proposal not awarded - **Not awarded**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Assessment submitted: *Proposal awarded - **Awarded** *Proposal not awarded - **Not awarded**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
				email notifications. Accepted projects are automatically assigned to the Final Report step. The visibility becomes available once the admin unlocks.				
38	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applicant, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, CCR/TR:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.4. AI for Science and Collaborative EU Projects Access

The call is designed to support AI applications for science, with a focus on ethical Artificial Intelligence, Machine Learning, and cutting-edge foundation Models and Generative AI, including Large Language Models. This call is intended for scientific research activities that rely on AI models as part of their research workflow.

The call is continuously open, with pre-defined cut-off dates that will trigger the evaluation of the proposals submitted up to this date.

The maximum time-to-resources-access is **one (1) month** after the date of cut-off. And the allocations are granted for **six (6) months**.

The evaluation is based on the technical review and expert peer-review of all proposals. Award decisions follow a **first-arrived-first-served** order and are assessed according to three criteria of: excellence, innovation and impact, and quality of implementation.

The peer-review process for proposals submitted to the AI for Science and Collaborative EU Projects Access call follows the next workflow:

STEP 1. Administrative check

The Peer-Review Sector checks the proposals in two parts: the online submission form and the Project Scope and Plan document. The proposals are assessed for any administrative inconsistency and the proposals must pass the administrative check in order to proceed to next evaluation steps. The Peer-Review Sector will communicate the outcome of the Administrative check within 1 week of the cut-off date to the applicants. Proposals that have been administratively rejected will not proceed further and are advised to be resubmitted to another cut-off taking into consideration any comments provided by the Peer-Review Sector.

STEP 2. Technical assessment

The Hosting Entities evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted or rejected. In case the proposal has been rejected, it will not be awarded.

STEP 3. Experts' evaluation

Each proposal is peer-reviewed by 2 recognized independent experts against the 3 set criteria: Excellence, Innovation and Impact, Quality and Efficiency of the Implementation. Proposals ranked under the quality cut-off threshold will not be awarded, even if there are resources available on the systems.

STEP 4. Expert Consensus

The experts agree on the final grading of the proposal.

STEP 5 Resources distribution list

Proposals will be granted access on a first-come-first-served basis until the allocated resources for the specific cut-off have been depleted, provided the peer-review process is passed successfully.

STEP 6. Communication of results

The Peer-Review Sector will communicate the final results to all applicants. They will receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 7. Award acceptance

The applicants should, if awarded resources, accept the award in the Peer-Review platform. This action will trigger a notification to the Hosting Entities to officially contact the applicants regarding the access to their systems.

STEP 7.a. Extension Request

The awarded users can request an extension where they need to describe the circumstances and resources usage preceding the request for extension. This needs to be requested at the latest one month before the project end.

STEP 7.b. Extension Request Assessment

The submitted extension request is evaluated by the awarded Hosting Entity that will assess whether the extension request is valid and whether it can be accepted.

STEP 7.c. Extension Request Final Decision

The PRS based on the extension request assessment submits the final decision regarding the project extension that is communicated to the users requesting the extension.

STEP 8. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period (including potential extensions) ends.

Figure 7 depicts the workflow used to implement the AI for Science and Collaborative EU Projects Access evaluation process. Figure 8 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 10 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

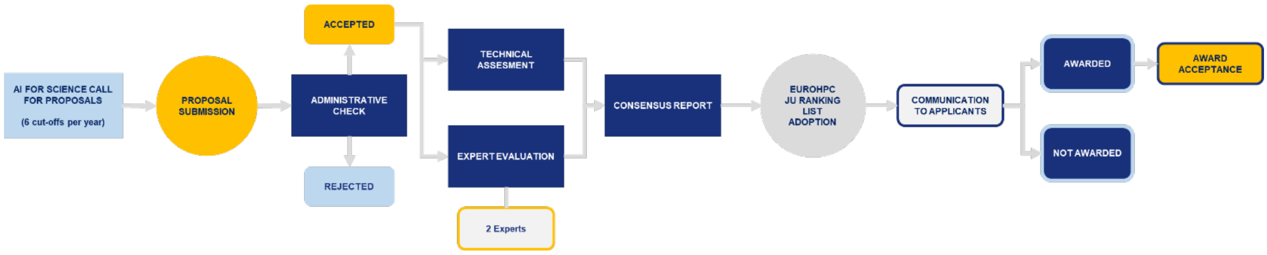

Figure 7: AI for Science and Collaborative EU Projects Access Evaluation Workflow

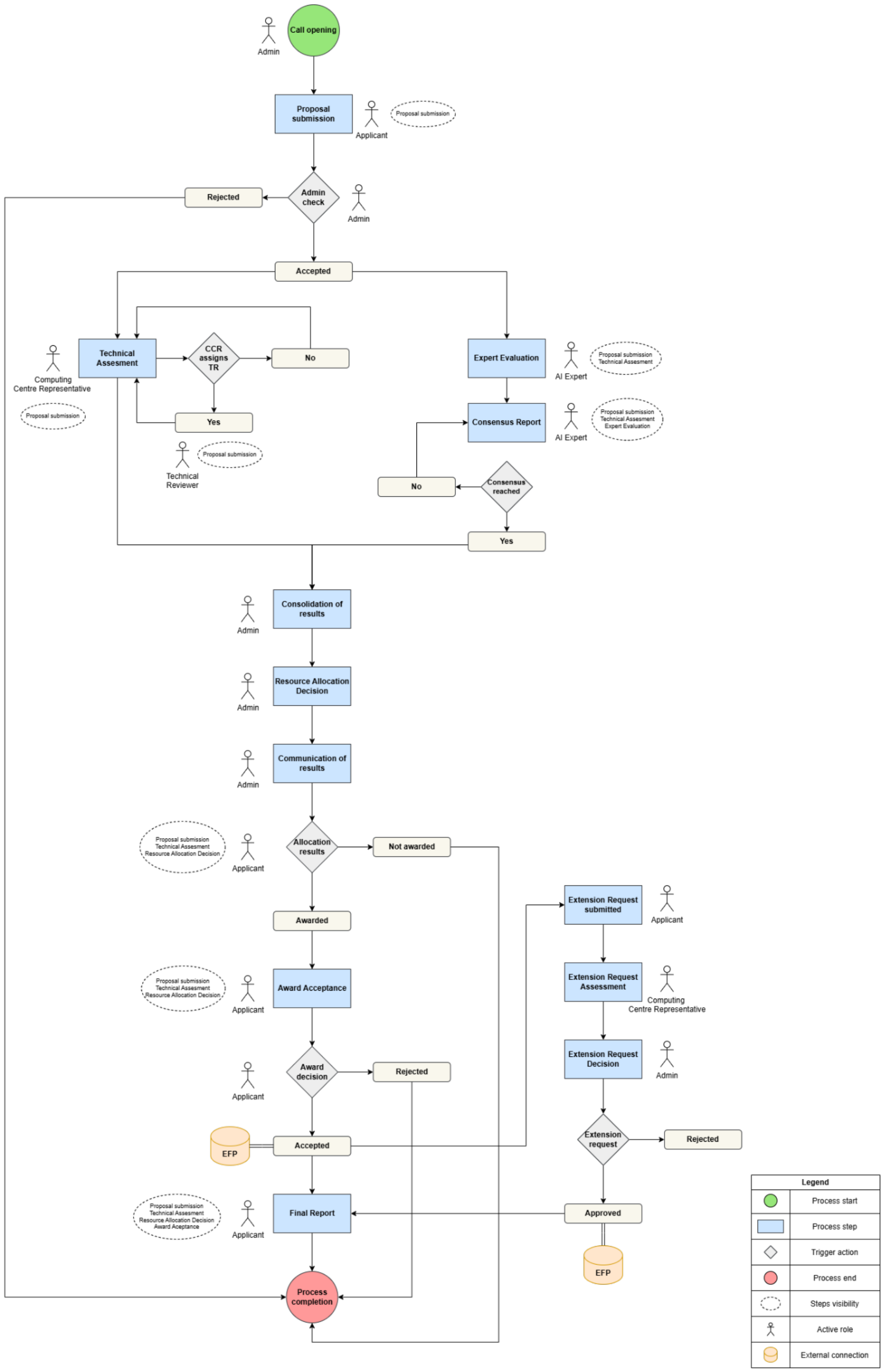

Figure 8: AI for Science and Collaborative EU Projects Access Logic Diagram

Table 10: AI for Science and Collaborative EU Projects Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
42	Proposal submission	The applicants fill and submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
43	Administrative Check	The office executes the admin check of all proposals submitted - only the proposals that have been accepted proceed to further steps of the evaluation	Ability to review the proposal and write the results of the review: - Accept - this action triggers the proposal to be assigned to the Technical Assessment step - Reject - this action gives the status Admin rejected and does not proceed to further steps of the evaluation - Request changes - this action opens the proposal for the Applicant to be able to	Notification email to the Applicant about the outcome of the Admin check (accepted, rejected or requested changes), with the Principal Investigator, and the Contact person in Cc. Admin accepted proposals are assigned to the Technical Assessment step.	Admin, Applicant	Applicant & Admin can see all proposals	Accepted proposals - N/A since they immediately proceed to the Technical Assessment Rejected proposals - **Administratively Rejected** Requested changes - **Changes requested**	**Applicant:** - Accepted proposals - **Under evaluation** - Rejected proposals - **Administratively Rejected** - Requested changes - **Changes requested**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			edit a specific field(s) that the office unlocks The Admin Check review has to be possible numerous times on the same proposal.					
44	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications.	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step **- Under Technical Assessment** Evaluation submitted - **Technical Assessment Submitted**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Evaluation submitted - **Technical Assessment Submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
45	Expert Assessment	The Admins assign Experts who submit the Expert Evaluation form - 2 per proposal	The Admins are able to assign and invite the Experts on this step. The step should be able to handle multiple assignments. Multiple forms and scoring system implemented on this step. The CoI functionality should also be implemented on this step.	Assignment of proposals to the Experts (upon accepting the Invitation), acceptance or rejection of the assigned proposal by the Expert (based on COI) and submission of each evaluation should trigger email notifications.	Scientific Reviewers, Admins	The Experts are able to gain visibility to the following steps once accepting the assignment: - Proposal submission The reviewers are not able to see each other's forms.	Can display all 4 at the same time: Main status - **Under Expert Evaluation**, details: *Assigned/invited a reviewer: **No of experts invited**, e.g. 2 Reviewers invited *Reviewer accepted: **No of experts accepted**, e.g. 2 Reviewers accepted *Reviewer declined: **No of experts rejected**, e.g. 1 Reviewer rejected *Reviewer submitted: **No of experts submitted**, e.g. 2 reviews submitted	**Expert/Scientific Reviewer:** - Before accepting the assignment: Pending acceptance - After accepting the assignment: Pending expert evaluation - After submitting the form: Expert evaluation submitted - After rejecting the assignment: Expert evaluation assignment rejected
46	Consensus Report	In case the scores from the experts have discrepancies, the Admins may wish to open a Consensus Report step. In this step the Admins assign an Expert to consolidate	The Admins are able to assign and invite the Experts on this step. The step should be able to handle multiple assignments. Multiple forms and scoring system implemented on this	Assignment of proposals to the Experts (upon accepting the Invitation), acceptance or rejection of the assigned proposal by the Expert (based on COI) and submission of each evaluation should trigger email notifications.	Scientific Reviewers, Admins	The Experts are able to gain visibility to the following steps once accepting the assignment: - Proposal submission	Can display all 4 at the same time: Main status - **Under Expert Evaluation**, details: *Assigned/invited a reviewer *Reviewer accepted	**Expert/Scientific Reviewer:** - Before accepting the assignment: Pending acceptance - After accepting the assignment: Pending Consensus Report

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
		the two submitted assessments.	step. The CoI functionality should also be implemented on this step.			- Expert Assessments	*Reviewer declined *Reviewer submitted	- After submitting the form: Consensus Report submitted - After rejecting the assignment: Assignment rejected
47	Resources Allocation Decision	The Admins enter the results and allocation decision per proposal	These forms are filled in by the Admin. The Admin should be automatically assigned to this step for every administratively accepted proposal. The Applicants whose proposals were awarded are assigned to next steps. Those who were not awarded, this becomes their last assignment once the Admin submits the results.	Submission of the results by the Admin should trigger different notification emails based on the outcome - awarded or not awarded. The step is unlocked by Admin.	Admin, Applicant	Admin, Applicants - the applicants gain visibility to this step without seeing who submitted the step. CCRs defined in both the Application form and in the Resources Allocation Form	Proposal awarded - **Awarded (tentative)** Proposal not awarded - **Not awarded**	**Applicant, CCR/TR** - Proposal awarded - **Awarded (tentative)** - Proposal not awarded - **Not awarded**
48	Response to Allocation	This step is applicable only to the awarded applicants. The Applicants formally accept/reject the award.	Only awarded applicants defined in the Resources Allocation Decision step are assigned. They should be automatically assigned as the previous step form is submitted.	Applicant's response to allocation (accepted or rejected) should trigger a notification email accordingly. Accepted projects are automatically assigned to the	Admin, Applicant	Applicants, Admins, CCRs defined in the Resources Allocation Decision form	Applicant accepts - **Awarded** Applicant rejects - **Rejected award**	**Applicant, CCR/TR:** - Applicant accepts - Awarded - Applicant rejects - Rejected award

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			Admins should be able to assign the applicants as a fallback option.	Final Report step. The visibility becomes available once the admin unlocks.				
49	Extension Request	This step is applicable only to the awarded applicants. This step enables the Applicants to request an extension to the existing running project.	The step should be available to only awarded projects. The Admin unlocks the step and the applicants can submit the form. The request becomes visible to the CCR defined in the Resources Allocation Decision step.	A notification email thanking the PI for submission of the request should be triggered by this action and a separate notification email should go to the CCR letting them know about the request. Submission also assigned the Admins to Extension Request Result step.	Applicant, Admin, CCR	Applicants, Admins, CCRs	Applicant requests an extension: **Extension request submitted**	**Applicant, ARC Chair, CCR/TR, Rapp:** Extension request submitted/under assessment
50	Extension Request Assesment	The step enables the CCR to submit their assessment and also enables them to assign Technical Reviewers to do so in the same line as in the technical assessment step.	The platform should automatically assign a CCR according to the system partition(s) selected in the Resources Allocation Decision step. In case the project was awarded on selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The Admin can also	1. A notification email to the assigned Computing Centre Representative (CCR) should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on	Admin, CCR, TR	Admin, CCR, TR	**CCR assigned**: Pending Extension Request Assessment **CCR/TR submits:** Pending Extension Request Results	**Applicants:** All actions: **Extension request submitted/under assessment** **CCR/TR:** CCR/TR assigned: Pending **Extension Request Assessment** CCR/TR submits: **Extension Request Assessment submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			request changes on the submitted forms.	a technical assessment- should trigger email notifications.				
51	Extension Request Results	The Admin is assigned to this step and can submit the forms providing the final results of the assessment.	The Admins submit the final results form that provides the decision on the extension request.	The submission sends a notification to applicants and CCRs. The submission provides visibility to the applicant and CCR.	Admin, Applicant, CCR	Admin, Applicant, CCR	**Admin assigned**: Pending Extension Request Results **Admin submits:** - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**	Admin submits extension requests results: - Extension approved: **Project extended** - Extension not approved: reverts to: **Awarded**
52	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applicant, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, CCR/TR:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.5. AI for Industrial Innovation – AI Factory Large Scale Access

The purpose of the EuroHPC JU Large Scale Access call is to support users coming from industry in the field of AI. It is intended for applications performing AI activities with high-impact, high-gain innovative research, justifying the need for and the capacity to use large allocations in terms of compute time, data storage and support services.

The Large Scale Access call is continuously open with 2-cut-off dates per month triggering the evaluation of proposals submitted up to these dates. The maximum time-to-resources-access is up to 10 working days after the cut-off date and the allocations are granted for 3, 6 or 12 months.

The peer-review process for proposals submitted to the Large Scale Access call follows the next workflow:

STEP 1. Administrative check

The Peer-Review Sector checks the proposals in two parts: the online submission form and the Project Scope and Plan document. The proposals are assessed for any administrative inconsistency. The proposals must pass the administrative check in order to proceed to next evaluation steps. The Peer-Review Sector will communicate the outcome of the Administrative check after the cut-off date to the applicants. Proposals that have been administratively rejected will not proceed further and are advised to be resubmitted to another cut-off taking into consideration any comments provided by the Peer-Review Sector.

STEP 2. Technical assessment

The AI Factories evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted or rejected. In case the proposal has been rejected, it will not be awarded.

STEP 3. Industry Innovation Group Evaluation

The Industry Innovation Group established per each AI Factory will evaluate proposals submitted to their systems. The proposals are evaluated based on the innovation and impact criteria.

STEP 4. AI Factory ranking list adoption

The final resources distribution list is forwarded to the EuroHPC JU Executive Director (ED) by each AI Factory, the ED accordingly approves the ranking lists.

STEP 5. Communication of results

The Peer-Review Sector will communicate the final results to all applicants. They will receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 6. Award acceptance

The applicants shall, if awarded resources, accept the award in the Peer-Review platform. This action will trigger a notification to the Hosting Entities to officially contact the applicants regarding the access to their systems.

STEP 7. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period ends.

Figure 9 depicts the workflow used to implement the Large Scale Access evaluation process. Figure 10 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 11 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

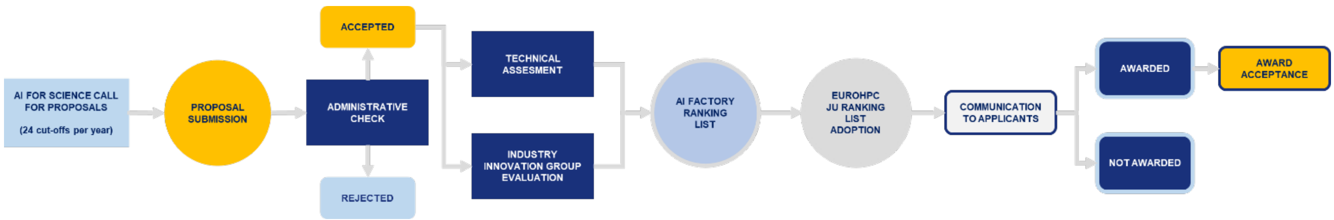

Figure 9: AI Factory Large Scale Access Evaluation Workflow

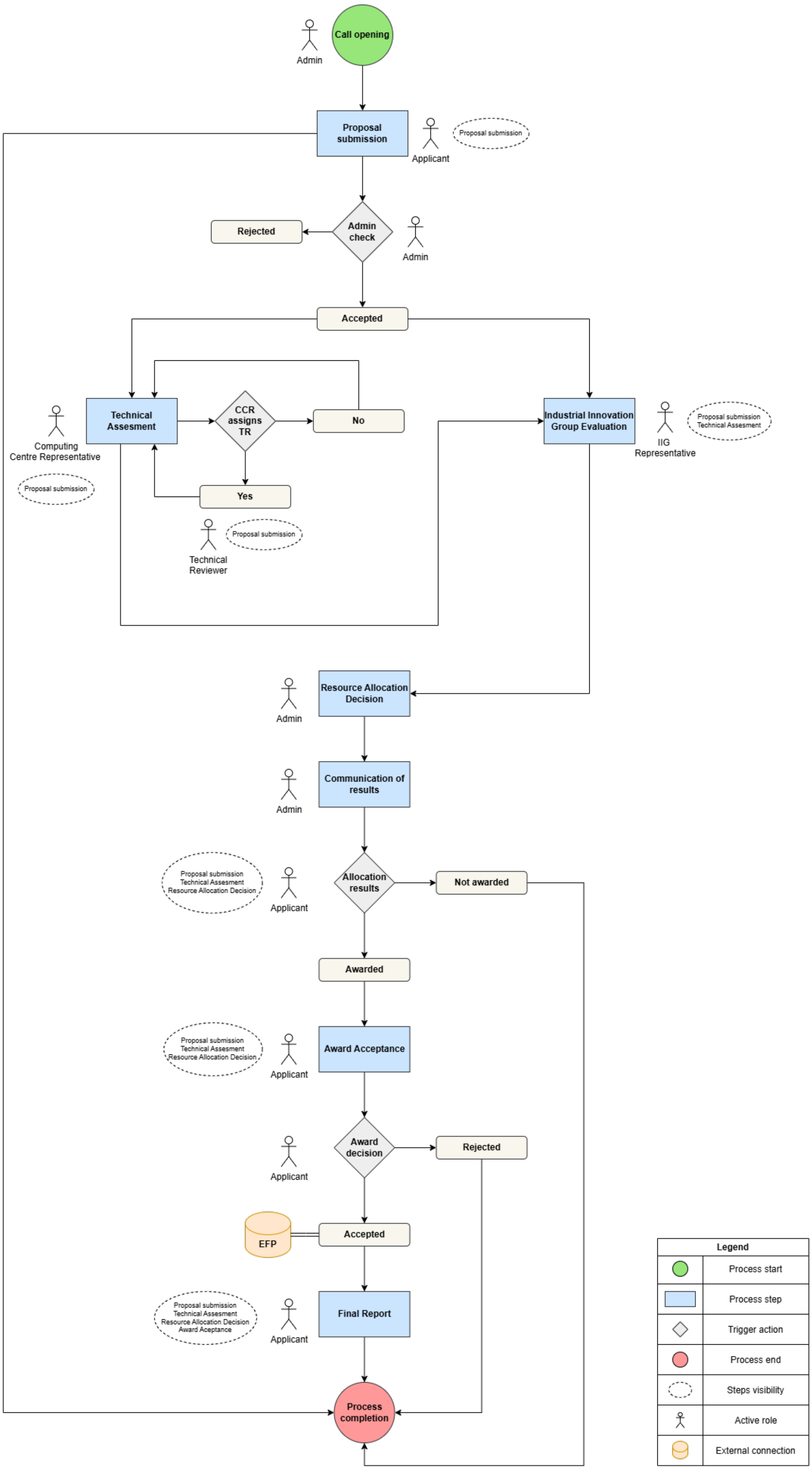

Figure 10: AI Factory Large Scale Access Logic and Permissions Diagram

Table 11: AI Factory Large Scale Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal
Proposal submission	The applicants submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
Administrative Check	The office executes the admin check of all proposals submitted - only the proposals that have been accepted proceed to further steps of the evaluation	Ability to review the proposal and write the results of the review: - Accept - this action triggers the proposal to be assigned to the Technical Assessment step - Reject - this action gives the status Admin rejected and does not proceed to further steps of the evaluation - Request changes - this action opens the proposal for the Applicant to be able to edit a specific field(s) that the office unlocks The Admin Check review has to be possible numerous times on the same proposal.	Notification email to the Applicant about the outcome of the Admin check (accepted, rejected or requested changes), with the Principal Investigator, and the Contact person in Cc. CCRs of admin accepted proposals are assigned to the Technical Assessment step and the Industrial Innovation Group Evaluation step. Upon admin acceptance, the Admins are assigned to the Resources Allocation Decision step.	Admin, Applicant	Applicant & Admin can see all proposals	Accepted proposals - N/A since they immediately proceed to the Technical Assessment Rejected proposals - **Administratively Rejected** Requested changes - **Changes requested**	**Applicant:** - Accepted proposals - **Under evaluation** - Rejected proposals - **Administratively Rejected** - Requested changes - **Changes requested**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal
Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger email notifications. Accepted projects are automatically assigned to the Final Report step. The visibility becomes available once the admin unlocks.	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Assessment** Evaluation submitted - **Technical Assessment Submitted**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Evaluation submitted - **Technical Assessment Submitted**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal
Industrial Innovation Group Evaluation	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Call Coordinator (CC) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. The CCR role can evaluate the proposal or can assign a CC from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to CC by the CCR, submission of a review by CCR or CC, Admin request for changes on a technical assessment- should trigger email notifications.	CCR, CC, Admin	CCR, CC, Admin	Assigned to the step - **Under Assessment** Evaluation submitted - **Industry Innovation Group Evaluation Submitted**	**CCR/CC:** - Assigned to the step - **Under Evaluation** - Evaluation submitted - **Evaluation Submitted**
Resources Allocation Decision	The Admins enter the results and allocation decision per proposal	These forms are filled in by the Admin. The Admin should be automatically assigned to this step for every administratively accepted proposal. The Applicants whose	Submission of the results by the Admin should trigger different notification emails based on the outcome - awarded or not awarded.	Admin, Applicant	Admin, Applicants - the applicants gain visibility to this step without seeing who submitted the	Proposal awarded - **Awarded (tentative)** Proposal not awarded - **Not awarded**	**Applicant, CCR/TR/CC** - Proposal awarded - **Awarded (tentative)** - Proposal not

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal
		proposals were awarded are assigned to next steps. Those who were not awarded, this becomes their last assignment once the Admin submits the results.	The step is unlocked by Admin.		step. CCRs defined in both the Application form and in the Resources Allocation Form		awarded - **Not awarded**
Response to Allocation	This step is applicable only to the awarded applicants. The Applicants formally accept/reject the award.	Only awarded applicants defined in the Resources Allocation Decision step are assigned. They should be automatically assigned as the previous step form is submitted. Admins should be able to assign the applicants as a fallback option.	Applicant's response to allocation (accepted or rejected) should trigger a notification email accordingly. Accepted projects are automatically assigned to the Final Report step. The visibility becomes available once the admin unlocks.	Admin, Applicant	Applicants, Admins, CCRs defined in the Resources Allocation Decision form	Applicant accepts - **Awarded** Applicant rejects - **Rejected award**	**Applicant, CCR/TR/CC:** - Applicant accepts - **Awarded** - Applicant rejects - **Rejected award**
Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applicant, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, CCR/TR:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.6. AI for Industrial Innovation – AI Factory Playground and Fast Lane Access

The purpose of the EuroHPC JU **Playground Access** call is to support users coming from industry in the field of AI by providing quick access to resources. It is intended for applications performing AI activities for new users or those with smaller computational needs.

The purpose of the EuroHPC JU **Fast Lane Access** call is to support users coming from industry in the field of AI by providing quick access to resources. It is intended for applications performing AI activities for users familiar with HPC needing up to 50.000 GPU hours.

The Playground and Fast Lane Access calls are continuously open and evaluations are done on a rolling basis. The maximum time-to-resources-access is up to 2 working days in case of Playground Access and 4 working days in case of Fast Lane Access after the proposal submission date.

The peer-review process for proposals submitted to Playground and Fast Lane Access calls follows the next workflow:

STEP 1. Technical assessment

The AI Factories evaluate the technical feasibility of the proposals submitted to their systems. The proposals can be technically accepted or rejected. In case the proposal has been rejected, it will not be awarded.

STEP 2. Communication of results

The final results are communicated automatically to all applicants after the submission of technical assessment results. They will receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 3. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period ends.

Figure 11 depicts the workflow used to implement the Playground and Fast Lane Access Evaluation process. Figure 12 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 12 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

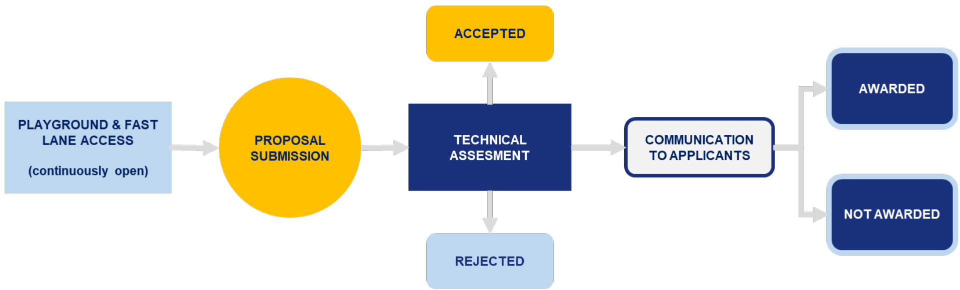

Figure 11:Playground and Fast Lane Access Evaluation Workflow

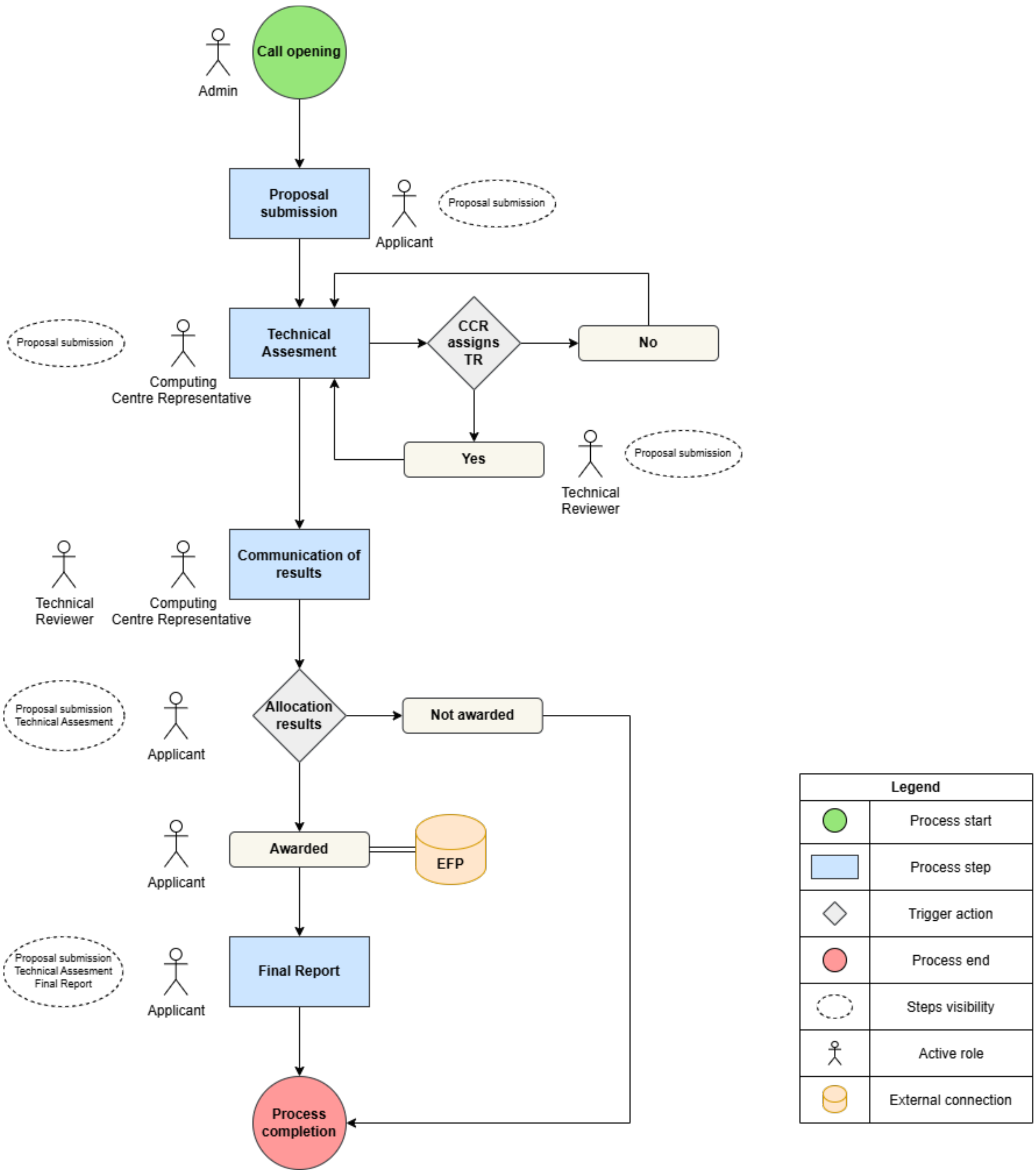

Figure 12: Playground and Fast Lane Access Logic and Permissions Diagram

Table 12: Playground and Fast Lane Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
63	Proposal submission	The applicants submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
64	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Technical Assessment** Assessment submitted: - Proposal awarded - **Awarded** - Proposal not awarded - **Not awarded**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Assessment submitted: *Proposal awarded - **Awarded** *Proposal not awarded - **Not awarded**

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibilit y	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
				email notifications. Accepted projects are automatically assigned to the Final Report step. The visibility becomes available once the admin unlocks.				
65	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applican t, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, CCR/TR:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

3.1.7. Quantum Access

The purpose of the EuroHPC JU **Quantum Access** call is to support users by giving them the opportunity to test or benchmark their applications on the upcoming/available EuroHPC Quantum infrastructure.

This access call is meant for all categories of users who want to collect performance data or test a method on a target system in order to document the technical feasibility of their applications. The access call is meant also for projects focusing on code and algorithm development, development of workflows and QC trainings.

The Quantum Access call is provided through continuously open calls with monthly cut-offs triggering evaluations of the proposals submitted up to these dates. The access is given for 3 or 6 months.

The peer-review process for proposals submitted to the Benchmark and Development Access calls follows the next workflow:

STEP 1. Technical assessment

The Hosting Entities evaluate the technical feasibility of the proposals submitted to their systems. During the technical assessment stage, the Hosting Entities may decide to allocate time on quantum emulators prior to granting access to the quantum systems or simulators. In this case, another Technical Assessment needs to be carried out after the benchmarking results have been obtained. The proposals can be technically accepted or rejected. In case the proposal has been rejected, it will not be awarded.

STEP 2. Communication of results

The final results are communicated automatically to all applicants after the submission of technical assessment results. They will receive an email with the final decision regarding their proposal; the same outcome can also be seen in the Peer-Review platform.

STEP 3. Final Report

The awarded proposals should have a Final Report step where the users can submit the final results of their work once the allocation period ends.

Figure 13 depicts the workflow used to implement the Quantum Access Evaluation process. Figure 14 provides a logic diagram of the process indicating the actors involved in every step and the information exchanged. Finally, Table 13 details the steps required to be provided by the platform to enable the implementation of the evaluation workflow.

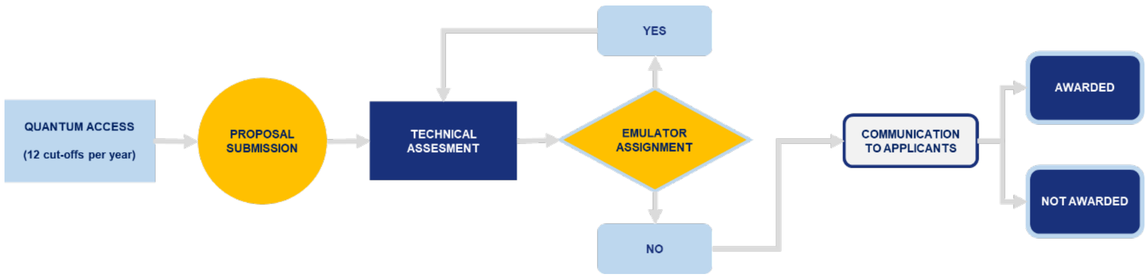

Figure 13: Quantum Access Evaluation Workflow

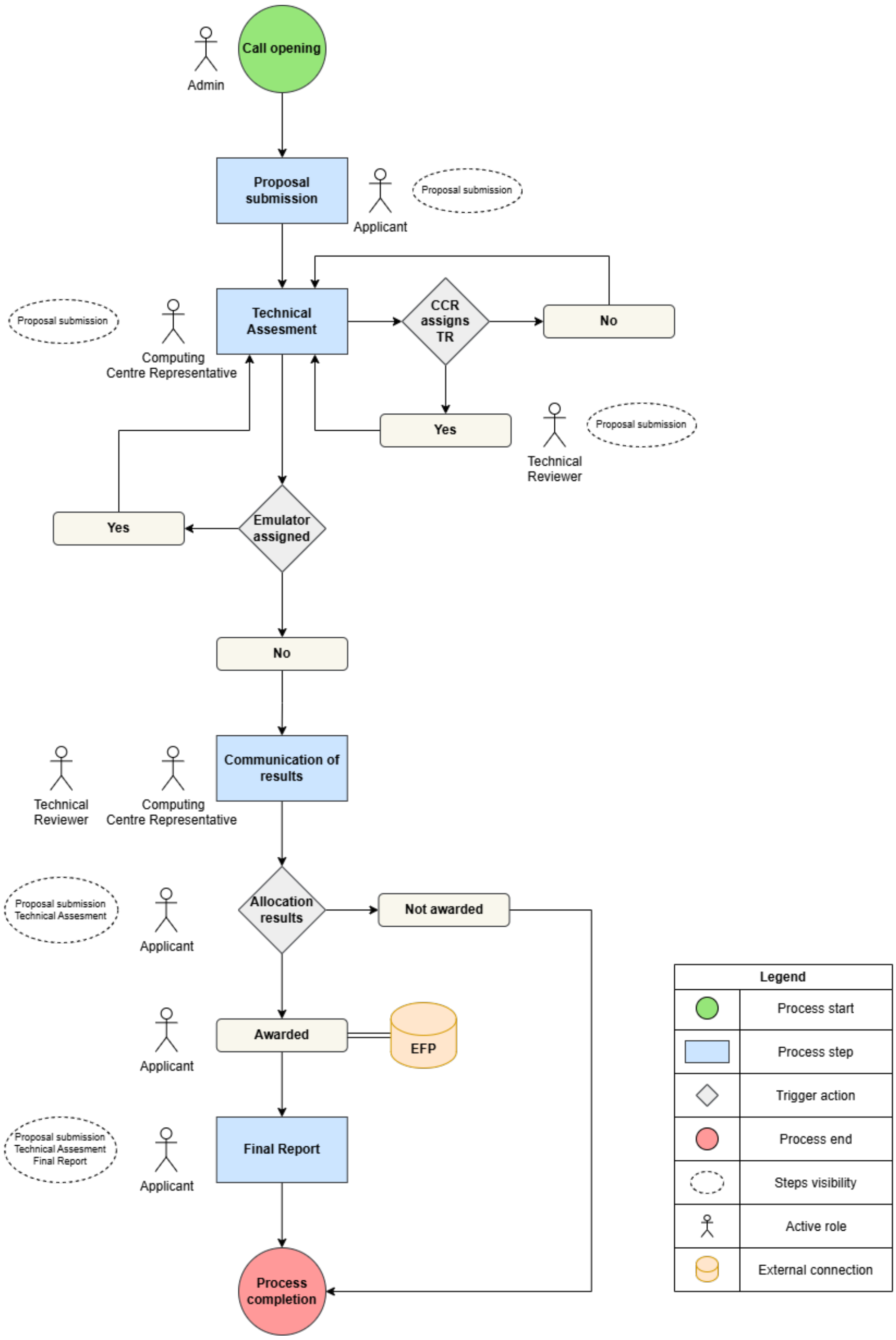

Figure 14: Quantum Access Logic Diagram

Table 13: Quantum Access implementation steps

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibility	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
66	Proposal submission	The applicants submit a proposal via the user portal	Provide different tabs and forms needed to write and upload necessary information about the project. Ability to link and match existing profiles with the Team Members listed in the proposal. Provide access to the proposal (with optional editing) to those Team Members.	Notification email to the Applicant upon submission of proposal, with the Principal Investigator and the Contact person in Cc.	Applicant	Applicant, Admin	Applicant preparing a proposal **- Draft** Applicant submitted a proposal - **Submitted**	**Applicant:** - preparing a proposal **- Draft** - submitted a proposal - **Submitted**
67	Technical Assessment	The proposal is assigned to a Computing Centre Representative (CCR) by the selected HPC system indicated in the Proposal. The CCR is able to write an assessment or is able to assign the proposal to a Technical Reviewer (TR) to write the assessment.	The platform should automatically assign a CCR according to the system partition(s) selected in the proposal form. In case the applicants selected several partitions, the CCR should be assigned per partition selected. The CCR role can evaluate the proposal or can assign a TR from their centre to complete the evaluation. Multiple assignments need to be possible if set-up conditions are met. The technical assessment form should be able to be submitted several times.	1. For the Administratively approved proposals, notification email to the Computing Centre Representative (CCR) based on the HPC system selected in the Proposal, should be triggered. If more than 1 partition was chosen in a proposal (in the same system or different systems), separate email notifications should be triggered for each partition, to the respective CCRs. 2. All actions- acceptance of a proposal by a CCR, rejection of a proposal by a CCR, assignment of a proposal to TR by the CCR, submission of a review by CCR or TR, Admin request for changes on a technical assessment- should trigger	CCR, TR, Admin	CCR, TR, Admin	Assigned to the step - **Under Technical Assessment** Assessment submitted: - Proposal forwarded to the emulator - **Pending emulation results** - Proposal awarded - **Awarded**	**CCR & TR:** - Assigned to the step - **Under Technical Assessment** - Assessment submitted: *Proposal forwarded to the emulator - **Pending Emulator Benchmarks** *Proposal awarded - **Awarded** *Proposal not

Ref no	Step	Step description	Required Platform functionality	Required Platform Actions	Active roles	Roles Visibilit y	Step status displayed on the Dashboard table - Admin portal	Step status displayed on the Dashboard table - User portal
			The visibility of the proposal is granted once the assignment is accepted. The Admin can also request changes on the submitted forms.	email notifications. Accepted projects are automatically assigned to the Final Report step. The visibility becomes available once the admin unlocks.			- Proposal not awarded - **Not awarded**	awarded - **Not awarded**
68	Final Report	This step is applicable only to the awarded applicants. This step enables the Applicants to submit the Final Report of the project.	The step should be available to only awarded projects. The step should be unlocked at the end of the allocation period defined per proposal.	A notification email should be triggered once the applicant submits the Final Report.	Applicant, Admin	Applican t, Admin	Step unlocked: **Pending Final Report** Form submitted: **Final Report submitted** Admin approves Final Report: **Project completed**	**Applicant, CCR/TR:** - Step unlocked: **Pending Final Report** - Form submitted: **Final Report submitted** - Admin approves Final Report: **Project completed**

4. Deliverables and Key Performance Indicators (KPIs)

Table 14: Indicative deliverables list

TIMELINE	MEETINGS	DELIVERABLES
1st month	Kick-off meeting	Meeting minutes
Deployment Phase 1		
2nd month	Progress meeting	Project Implementation Plan: including data migration plan, acceptance testing plan and planning of the implementation of foreseen features and improvements that are not available upon the first deployment phase
4th month	Acceptance testing (phase 1.1)	Deployed Platform version 1.1 Documents: Platform functionality for both admin and user portals
9th month	Acceptance testing (phase 1.2)	Deployed Platform version 1.2 Documents: Interim Report (linked to payment in accordance with Article I.5.3. 1(a) of the Draft Contract)
12th month	Acceptance testing (phase 1.3)	Deployed Platform version 1.3 and Documents: - Interim Report (linked to payment in accordance with Article I.5.3. 1(b) of the Draft Contract) - Platform functionality for both admin and user portals - Yearly KPI report
Deployment Phase 2		
18th month	Acceptance testing (phase 2.1)	Deployed Platform version 2.1
24th month	Acceptance testing (phase 2.2)	Deployed Platform version 2.2 Documents: - Interim Report (linked to payment in accordance with Article I.5.3. 1(c) of the Draft Contract) - Yearly KPI report
30th month	Acceptance testing (phase 2.3)	Deployed Platform version 2.3
36th month	Acceptance testing (phase 2.4) and handover (including IP transfer)	Deployed Platform version 2.4 – complete Peer-Review platform Documents:

TIMELINE	MEETINGS	DELIVERABLES
		- Final or Progress Report[5] (linked to payment in accordance with Article I.5.3. 1(d) of the Draft Contract) - Platform functionality for both admin and user portals - Yearly KPI report
First renewal of Phase 2 (if applicable)		
48th month	Progress meeting	Documents: - Final Report or Progress Report[6] (linked to payment in accordance with Article I.5.3. 1(e) of the Draft Contract) - Platform functionality for both admin and user portals - Yearly KPI report
Second renewal of Phase 2 (if applicable)		
60th month	Finalization meeting	Documents: - Final Report (linked to payment in accordance with Article I.5.4. 1 of the Draft Contract) - Platform functionality for both admin and user portals - Yearly KPI report

The Peer-Review platform will be validated yearly based on an established set of Key Performance Indicators (KPIs). As a guiding principle, the acceptance by EuroHPC JU of the delivered ranked list of proposals for a given cut-off date in a given access call will validate the successful delivery of the corresponding service.

The following KPIs shall be provided alongside the ranked list of proposals, for each year:

- Number of call cut-offs supported.
- Number of proposals received and evaluated per call
- Number and average response time of bug fixes applied to the portal
- Number and average response time of improvements applied to the portal in response to EuroHPC JU requests
- Number and average response time of new features introduced in the portal in response to EuroHPC JU requests
- Number of operational incidents received, and percentage resolved.
- Number of user incidents received, and percentage resolved

[5] Progress Report will be requested when Renewals of the Contract will be applicable, in case the Renewals will not be applicable, the Final Report will be requested

[6] Progress Report will be requested when Renewals of the Contract will be applicable, in case the Renewals will not be applicable, the Final Report will be requested

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