

# CAP Implementation

The Common Access Point (CAP) will be the main WP4 output. Its scope is to serve as a knowledge-exchange hub for Institutional Publishing Service Providers (IPSPs - see the definition below), by providing a portal with resources addressing the 7 core components of scholarly publishing defined in the Diamas Project, and a virtual space supporting user interaction. It will also lay the foundation of the future ERA Diamond OA Capacity Hub (ERA-DCH) - a virtual network of resources and regional/ national Capacity Centers coordinated via a global federation for Diamond OA.

## CONTEXT

### Architecture and sustainability

- Design the CAP as a federated infrastructure of interoperable components
- Use open source solutions, to the extent possible
- Project partners will be responsible for hosting and sustaining individual components
- Design an extensible structure and a standardised procedure allowing the development/integration of additional modules

### Principles

- The CAP should provide access to resources and a support user interaction and knowledge transfer
- The CAP should be interoperable with existing and future Capacity Centres
- The implementation process will be documented and the details (e.g. platforms and applications used, technologies, proposed architecture) will be shared openly

### Related concepts

Institutional publishing: academic publishing by an institution, unit, or team that is part of an institution. An 'institution' is defined in the DIAMAS context as an academic organisation or unit whose main mission and scope is to perform, fund, or promote the practice of research and scholarship. Examples of (academic) institutions are research performing organisations, research funding organisations, learned/scholarly societies, (national) academic and not-for-profit foundations, including academic communities and (groups of) editors owning journals.

Institutional Publishers (IPs): an IP has (at least) ownership of publishing titles/assets, decides on governance of these titles/ assets, or has editorial responsibility for their publishing titles. In other words, IPs have legal, ethical, or scientific responsibility for academic publishing, irrespective of whether they also have editorial control over what is published.

Institutional publishing service provider (IPSP): An entity that provides or coordinates a set of services for institutional academic publishing to the academic community. Two complementary types of IPSP can be distinguished: Institutional Publishers (IPs) and Service Providers (SPs). Both types can be integrated in a single IPSP.

Extensible Quality Standard for Institutional Publishing (EQSIP): seeks to ensure the quality and transparency of governance, processes and workflows in institutional publishing. EQSIP provides actionable recommendations addressing the core components of scholarly publishing, as defined in the project's outputs, namely: 1) funding 2) ownership and governance 3) Open Science practises 4) editorial quality, editorial management and research Integrity 5) technical service efficiency 6) visibility, indexation, communication, marketing and impact 7) equity, diversity and inclusion (multilingualism, and gender equity)

Link: <https://zenodo.org/record/7923916>

## COMPONENTS

Title	CAP Portal
Scope	-Main CAP page -Links to the CAP components
Structure and contents	-Registration / Sign in - Search field - Main content block(s) - Logo, top navigation bar /tabs redirecting to components, resources etc. - sitemap, contact details, links to social media accounts etc
Content format	- Text - multilingual - Images (logos etc) - Forms (user registration fields, search field)
Features / functionalities	-Analytics -Search tool -User Authentication Mechanism - Role-based access control - Multilingual UI
Coordinator	OPERAS

Host	OPERAS
Due	June 2025 (M34)
Platform	CMS
Notes	

Title	<b>User Profile / Dashboard</b>
Scope	Space displaying user profile details, saved search results, notifications etc
Structure and contents	<ul style="list-style-type: none"> <li>-Profile details</li> <li>-List of tagged resources</li> <li>- Links to the CAP subcomponents</li> <li>-Notifications (e.g. updates from the forum)</li> </ul>
Features / functionalities	<ul style="list-style-type: none"> <li>- User Authentication Mechanism</li> <li>- Role-based access control</li> <li>-Multilingual UI</li> </ul>
Coordinator	OPERAS
Host	OPERAS
Due	June 2025 (M34)
Platform	TBD
Notes	

Title	<b>DIAMAS Project Website</b>
Scope	<ul style="list-style-type: none"> <li>-Presents the project, the consortium, and the project's results</li> <li>-Hosts the DIAMAS blog</li> </ul>
Structure and Contents	<ul style="list-style-type: none"> <li>- Main content block(s)</li> <li>- Logo, top navigation bar /tabs redirecting to subpages, resources etc.</li> <li>- Links to social media, twitter feed</li> <li>-Contact/subscription form (newsletter)</li> </ul>

Content format	<ul style="list-style-type: none"> <li>- Text</li> <li>- Images (logos etc)</li> <li>- Forms (contact and newsletter registration)</li> </ul>
Features / functionalities	<ul style="list-style-type: none"> <li>- Analytics</li> </ul>
Coordinator	LIBER
Due	Already available
Platform	Wordpress
Host	LIBER
Notes	URL: <a href="https://diamasproject.eu/">https://diamasproject.eu/</a>

Title	<b>IPSP toolsuite</b>
Scope	<i>'A full IPSP toolsuite including the quality and sustainability self-assessment tools built in WP3&amp; a IPSP management toolkit. The toolsuite will also serve as a portal for toolkits elsewhere'</i>
Structure and Contents	<ul style="list-style-type: none"> <li>-Main page with text and links/ tabs redirecting to the toolsuite articles</li> <li>- 1 to 3 articles/sections per EQSIP element</li> <li>-Search field (ideally, for toolsuite contents only)</li> <li>- Online documentation form, for users to suggest resources</li> <li>Logo (DIAMAS toolsuite), top navigation bar /tabs redirecting to components, resources etc.</li> <li>- sitemap, contact details, links to social media accounts etc</li> </ul>
Content format	Text (multilingual?) with links to other CAP components and external resources
Features / Functionalities	<ul style="list-style-type: none"> <li>-Analytics</li> <li>-Search tool</li> <li>- User Authentication Mechanism</li> <li>- Role-based access control (e.g to support content editing by an editorial team)</li> <li>-Multilingual UI</li> <li>-Versioning</li> </ul>

	- Content tagging
Coordinator	Jisc
Due	October 2024 (M26)
Platform	CMS (same as CAP)
Host	OPERAS
Notes	Use cases <a href="#">OAPEN toolkit</a> <a href="#">OASPA/DOAJ toolkit</a> <a href="#">Jisc - New University Press toolkit</a>

Title	<b>IPSP self-assessment tool</b>
Scope	<i>A self-assessment tool allowing IPSPs to verify their level of compliance with EQSIP 2.0, and with WP5 sustainability workflows, distinguishing between basic, advanced and excellent practice levels, and formulating clear progress requirements to attain the next level.</i>
Structure and contents	<ul style="list-style-type: none"> <li>- Registration form</li> <li>- Online checklist, completed in 7 steps</li> <li>- Results page / radar chart</li> <li>- Links to other CAP components, based on the self-assessment results</li> </ul> <p>Logo (DIAMAS self-assessment tool), top navigation bar /tabs redirecting to components, resources etc.</p> <ul style="list-style-type: none"> <li>- sitemap, contact details, links to social media accounts etc</li> </ul>
Content format	<ul style="list-style-type: none"> <li>-Text</li> <li>- Forms (registration and online checklist)</li> <li>- Charts/graphs (radar chart)</li> </ul>
Features / Functionalities	<ul style="list-style-type: none"> <li>- Analytics</li> <li>- User Authentication Mechanism</li> <li>- Role-based access control</li> <li>-Multilingual UI</li> </ul>
Coordinator	FECYT
Due	February 2024 (M18)

Platform	custom
Host	FECYT
Notes	

Title	<b>IPSP Registry</b>
Scope	<i>'A registry of IPSP profiles, on the basis of an IPSP database'</i>
Structure and Contents	<ul style="list-style-type: none"> <li>-Individual IPSP profiles</li> <li>-Search field (ideally, for registry contents only)</li> <li>- Map and/or list of IPSPs (?)</li> <li>- Online submission form (for IPSPs wishing to be included in the registry)</li> </ul>
Content format	<ul style="list-style-type: none"> <li>- Forms (IPSP profile details)</li> <li>- Graphs (IPSP map?)</li> </ul>
Features / Functionalities	<ul style="list-style-type: none"> <li>-Analytics</li> <li>- Search tool (for registry contents only)</li> <li>- User Authentication Mechanism</li> <li>- Role-based Access Control</li> <li>- Multilingual UI</li> <li>-Versioning (last profile update)</li> </ul>
Coordinator	EKT
Due	Officially due in June 2025 (M34). Considering earlier development
Platform	CMS
Host	OPERAS
Notes	Use cases: <a href="#">Library Publishing Directory</a> and <a href="#">Map</a>

Title	<b>IPSP Forum</b>
Scope	<i>'A platform to support user interaction, community building, and foster collaboration between IPSPs via knowledge sharing.'</i>

Structure and Contents	<ul style="list-style-type: none"> <li>- Main page presenting groups or discussion themes/threads</li> <li>- Subpages for each group/discussion</li> <li>- User profile/dashboard</li> <li>- Notifications</li> </ul>
Features / Functionalities	<ul style="list-style-type: none"> <li>-Analytics</li> <li>-Search tool (for platform contents only)</li> <li>-Content tagging</li> <li>-User Authentication mechanism</li> <li>- Role-based Access Control</li> <li>- Multilingual UI</li> </ul>
Coordinator	EKT
Due	Officially due in June 2025 (M34). Considering earlier development
Platform	Discourse: <a href="https://www.discourse.org/">https://www.discourse.org/</a>
Host	TBD
Notes	

Title	<b>IPSP Training materials</b>
Scope	<i>'A collection of reusable training materials, including self-learning courses and webinars, on the basis of the toolsuite built in D4.2 and the Guidelines provided in D4.3.'</i>
Structure and Contents	<ul style="list-style-type: none"> <li>-List of Training modules</li> <li>-‘Learning paths’ combining training modules</li> <li>-Search field</li> <li>-Multilingual UI</li> </ul>
Content format	<ul style="list-style-type: none"> <li>- Text</li> <li>- HTML - based training modules</li> </ul>
Features / Functionalities	<ul style="list-style-type: none"> <li>-Analytics</li> <li>-Search tool (for platform contents only)</li> <li>-Content tagging</li> <li>- Versioning</li> <li>-User Authentication mechanism</li> <li>- Role-based Access Control</li> <li>- Multilingual UI</li> </ul>

Coordinator	AMU
Due	March 2025 (M31)
Platform	Moodle <a href="https://moodle.org/">https://moodle.org/</a>
Host	AMU
Notes	

## Required features and functionalities

### Analytics

- Collect data from diverse sources
- Interactive dashboards and various visualisation options
- Allow administrators to create custom reports and queries
- Automated reports on a standard basis

### Search tool:

- Keyword search
- Advanced search and filters
- Search across and within databases: integration with various data sources, capacity a) to return and list results from different installations b) to return results from a specific installation only
- Sorting of results and facets: search results based on relevance, capacity to filter results in various categories (e.g per CAP component).
- Responsiveness: indexing/ updating results on a regular basis
- Personalised search: saved searches, custom results according to user preferences
- Analytics: allow system moderators to identify search patterns and popular search terms

### User Authentication mechanism:

The proposed CMS platform(s) should comply with the following criteria allowing the future integration of the components into a federated infrastructure.

- User Registration with an SSO mechanism: allow users to access multiple components with a single log in



- Profile management: allow users to manage their profiles (personal information, contact details etc)
- Account management: allow users and system administrators to deactivate or delete accounts
- Permissions and user rights: define user types/roles (may vary across platforms)
- Activity tracking / Analytics: track user logins and engagement with different components
- Integration with third-party authentication mechanisms (e.g, ORCID)
- Security and compliance with data protection regulations

#### Role-based Access Control

- Role Definition: Define specific roles for individual users based on an hierarchical framework and their expected interaction with the portal -accordingly
- Role-based access: enable variable access controls for specific actions and parts of the portal. Capacity to modify role definitions and roles assigned to individual users. allow a combination of permissions to individual users. Enable both SSO-based/automated authorisation and manual authorisation processes
- User groups: variable roles and permissions for users belonging to different organisations or groups
- Integration with the User Authentication mechanism / User Management System