

NEXUS

Fostering interdisciplinary Open Science in IPERION HS with OpenAIRE CONNECT

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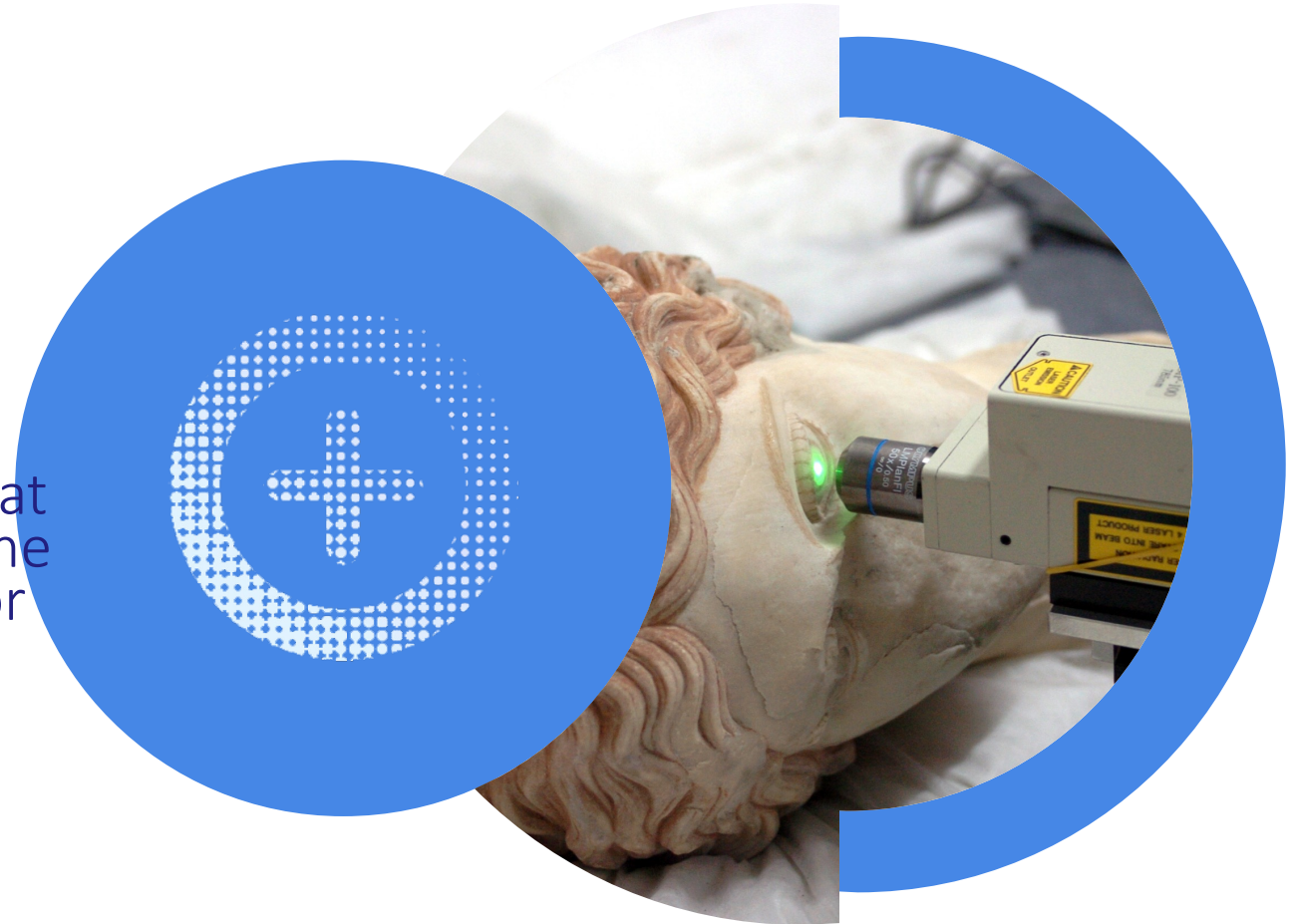
IPERION HS

<https://www.iperionhs.eu/>

IPERION HS is a European project that is contributing to establish E-RIHS, the European Research Infrastructure for Heritage Science.

Heritage science - what is?

Heritage science draws on diverse humanities, sciences and engineering disciplines.





IPERION HS OVERVIEW



IPERION HS is a project funded by the European Commission under Grant Agreement n.871034



Type of action

H2020-INFRAIA-2019-1



Partners

24 national hubs



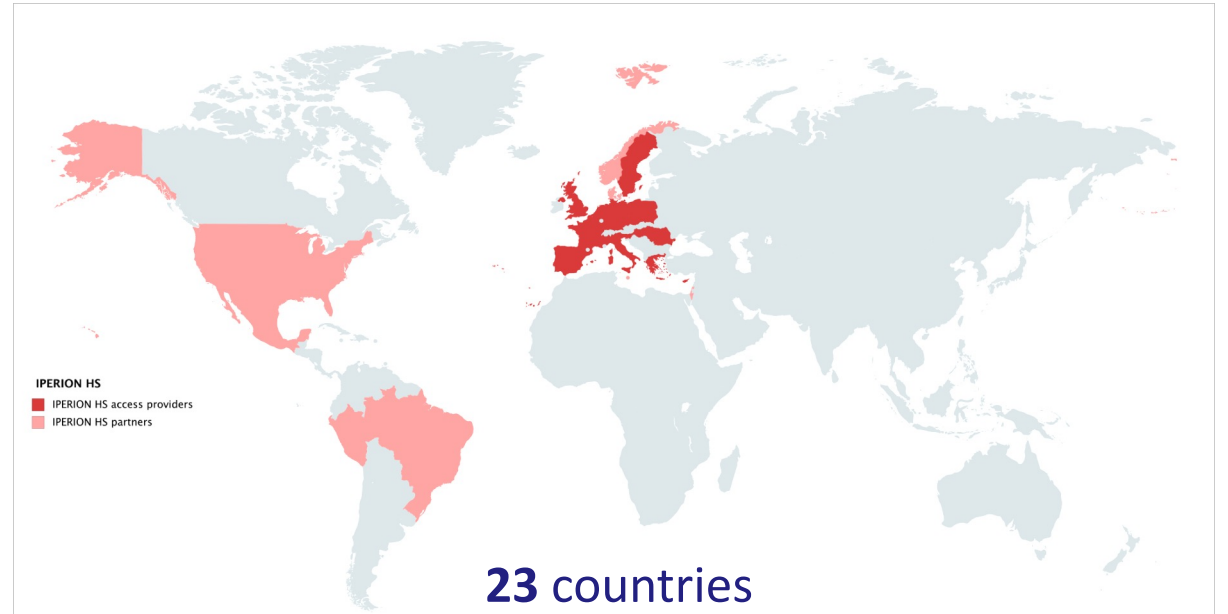
Duration

36 months (2020 - 2023)



EU contribution

€ 6.162.711,12



OVERVIEW

The IPERION HS gateway



Scenario

An interdisciplinary community



Solution and implementation

A single entry-point for all the scientific outputs
– OpenAIRE Connect



Impact

Best practices in open heritage science, more visibility for IPERION HS research and exchange with other research community

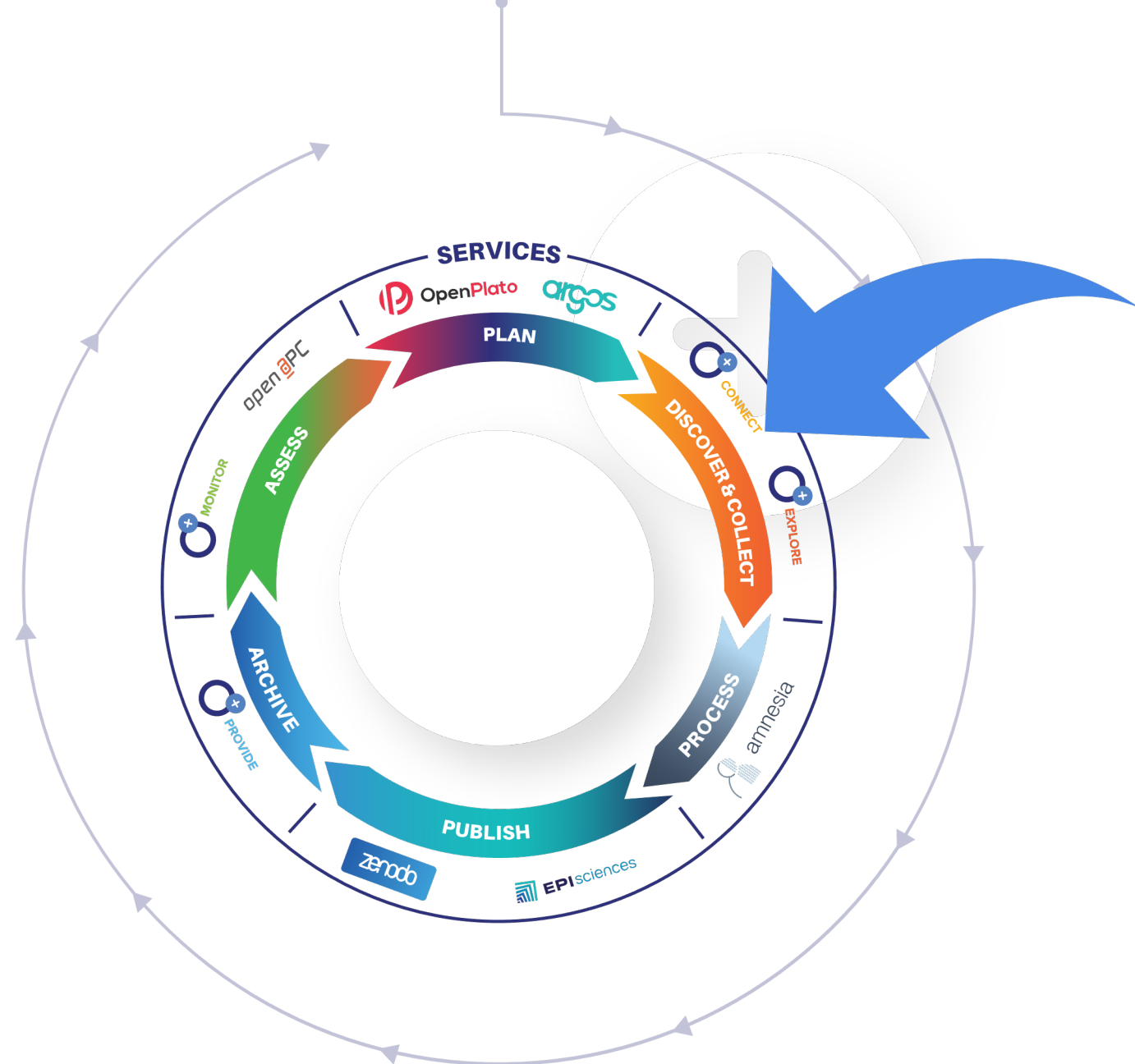
#1 – Scenario



- IPERION HS is a relatively recent **interdisciplinary** community, with different approaches, tools and methods to understand, interpretate, preserve tangible heritage.
- Critical points:
 - To be updated on the latest publications, datasets, standards, softwares, etc.
 - To spread open science best practices inside the community
 - To adopt standards for interoperability
 - To monitor the impact of the IPERION HS community on the global community of heritage science

#2 – Solution and Implementation

Connect



UNLOCK THE
POTENTIAL FOR
COLLABORATION —
INTERNAL & EXTERNAL

Enhancing **discovery** with a customised **search engine**



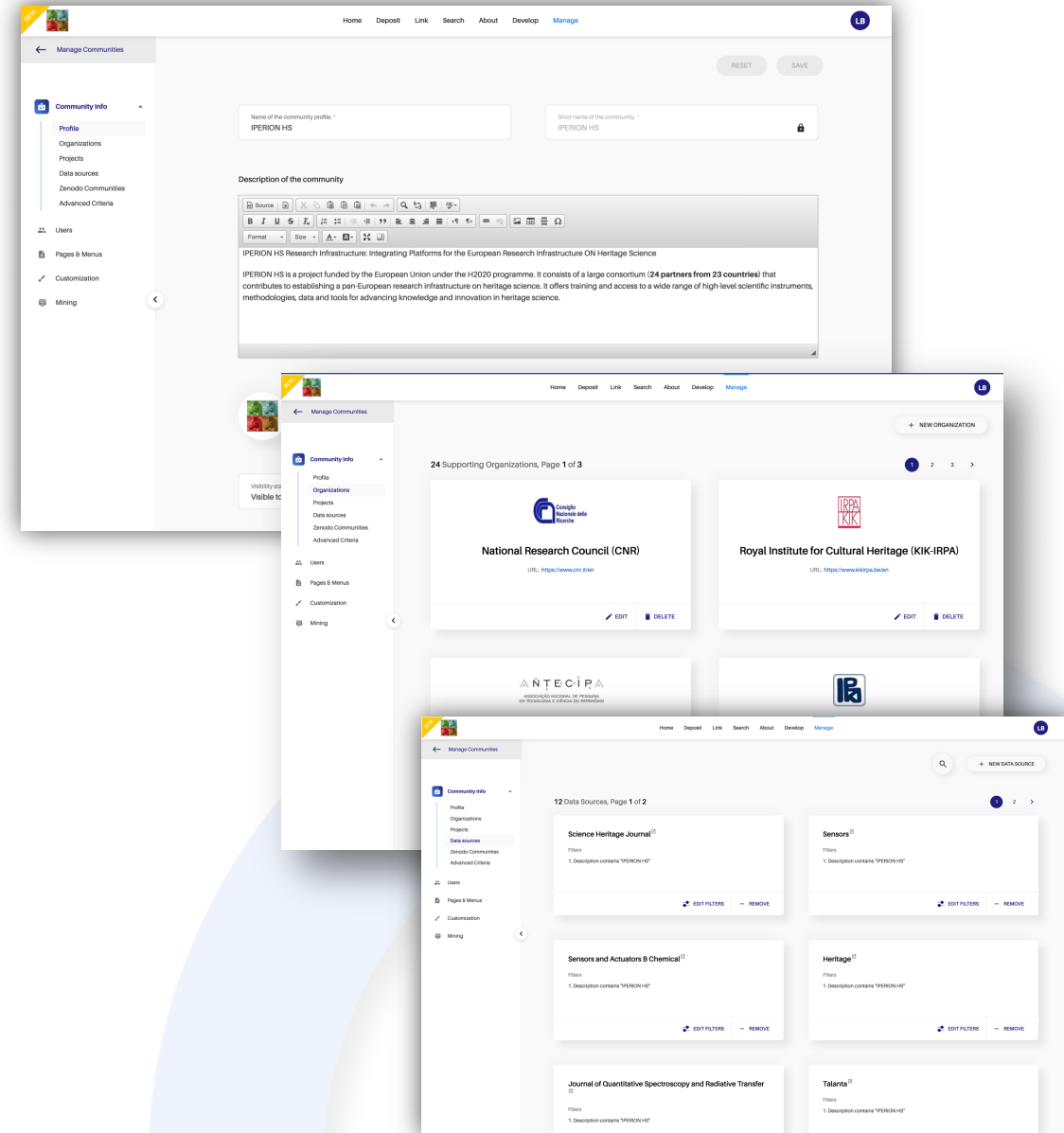
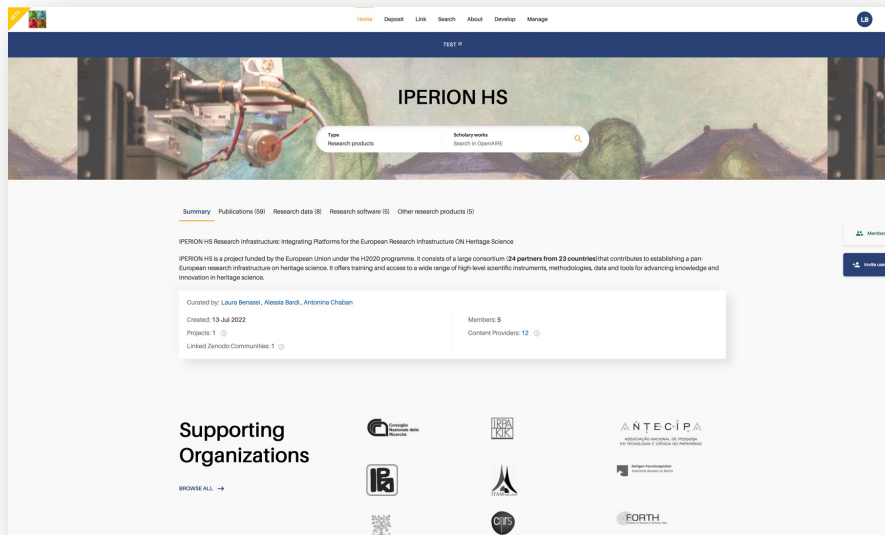
OpenAIRE created a **targeted gateway**, configurable to specific content based on

- repositories/journals of choice
- funding data
- Zenodo communities
- enabled by automate selection process
- A secure place for IPERION HS community to publish results, in a guided manner, following OS practices
- Useful for IPERION HS/E-RIHS **Research Community**, to showcase interdisciplinary contents under one branding
- Set up in **less than one month**

WHAT I GET

An **admin dashboard** for curators to configure the gateway

A **team** to guide you to get more content and to set up OS policies




WHAT I GET

A customised portal for your community where users can ...

Check out the UPTAKE of Open Science practices of the community

Find the right place to DEPOSIT



Search and browse for OpenAIRE compliant repositories registered in OpenDOAR and re3data.

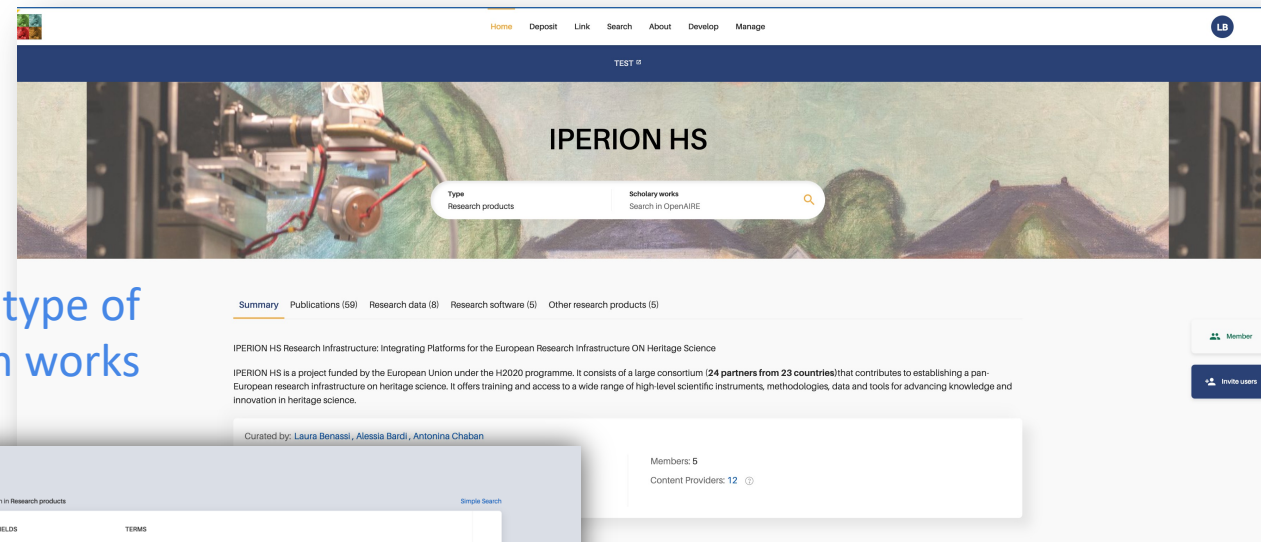
OPENAIRE COMPLIANT REPOSITORIES →



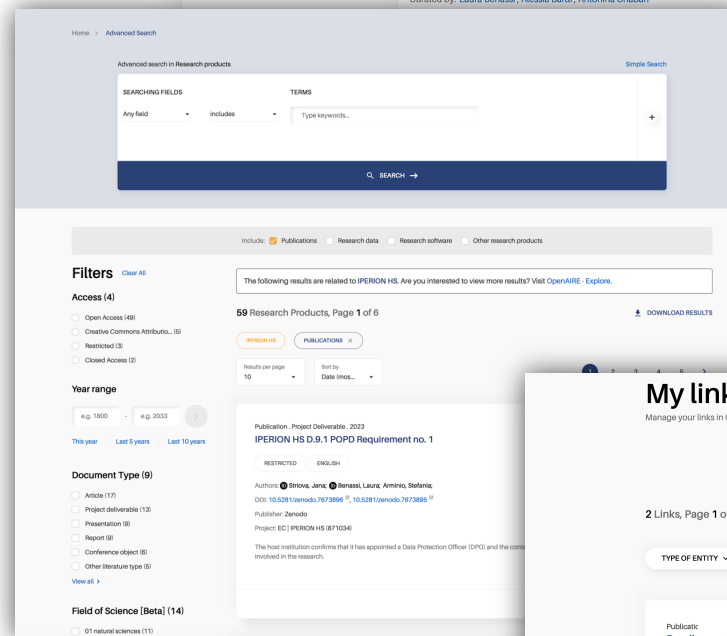
Deposit your research in Zenodo repository

ZENODO REPOSITORY →

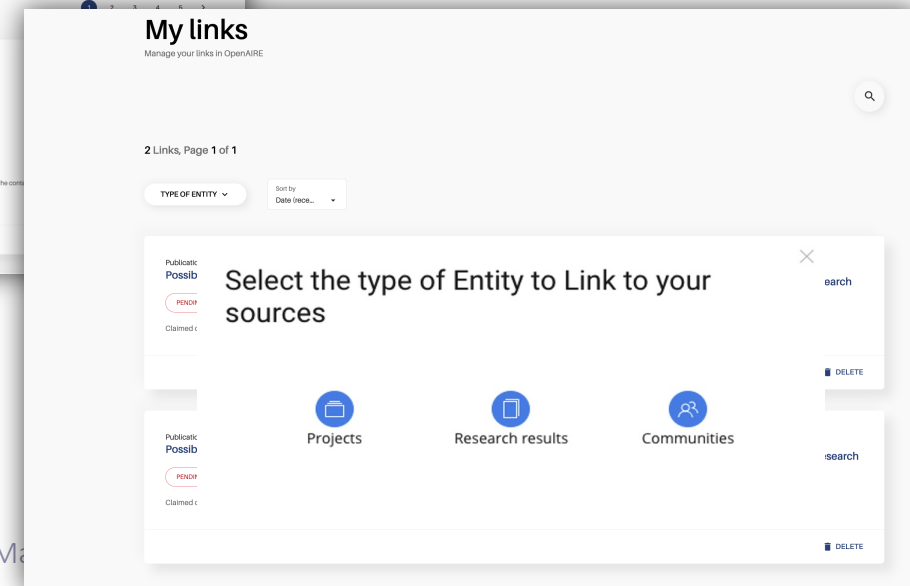
SEARCH any type of research works



The screenshot shows the IPERION HS website homepage. At the top, there is a navigation bar with links for Home, Deposit, Link, Search, About, Develop, and Manage. Below the navigation bar is a large banner image featuring a scientific instrument and a painting. The banner includes the text "IPERION HS" and a search bar with "Type Research products" and "Scholarly works Search in OpenAIRE". Below the banner, there is a section for "Summary" with sub-sections for "Publications (56)", "Research data (8)", "Research software (5)", and "Other research products (5)". A description of the IPERION HS project is provided, along with a list of curators: Laura Benassi, Alessia Bardi, and Antonina Chaban. On the right side, there are buttons for "Member" and "Invite users", and a box showing "Members: 5" and "Content Providers: 12".



The screenshot shows the IPERION HS search results page. It features an "Advanced search in Research products" form with "SEARCHING FIELDS" and "TERMS" sections. Below the search form, there are filters for "Access (4)", "Year range", and "Document Type (9)". The main content area displays "50 Research Products, Page 1 of 6" and a list of results. One result is highlighted, showing "IPERION HS D.0.1 POPD Requirement no. 1" with details such as "Publication: Project Deliverable, 2023", "DOI: 10.5281/zenodo.7873895", and "Publisher: Zenodo".



The screenshot shows the "My links" page, which allows users to manage their links in OpenAIRE. The page title is "My links" and the subtitle is "Manage your links in OpenAIRE". Below the title, there is a search bar and a "2 Links, Page 1 of 1" indicator. A "TYPE OF ENTITY" dropdown menu is open, showing options for "Publicatic Possib", "PINDOP", and "Claimed c". Below the dropdown, there are three buttons: "Projects", "Research results", and "Communities". Each button has a corresponding icon and a search bar. On the right side, there are "DELETE" buttons for each entity type.

LINK research works among them and with funding projects

IPERION HS

Case study

The screenshot displays the OpenAIRE search results page for 'IPERION HS'. At the top, there is a navigation bar with links for Home, Deposit, Link, Search, About, Develop, and Manage. Below this is a search bar with 'Advanced search in Research products' and a 'Simple Search' link. The search bar contains 'Any field' under 'SEARCHING FIELDS', 'includes' under 'TERMS', and a text input field for 'Type keywords...'. A 'SEARCH' button is located at the bottom of the search bar.

Below the search bar, there are filters for 'Include:' with options for Publications (checked), Research data, Research software, and Other research products. The 'Filters' section on the left includes 'Access (4)' with radio buttons for Open Access (49), Creative Commons Attribution (5), Restricted (3), and Closed Access (2); 'Year range' with input fields for 'e.g. 1800' and 'e.g. 2033' and buttons for 'This year', 'Last 5 years', and 'Last 10 years'; 'Document Type (9)' with checkboxes for Article (17), Project deliverable (13), Presentation (9), Report (9), Conference object (6), and Other literature type (5); and 'Field of Science [Beta] (14)' with checkboxes for various scientific fields.

The main content area shows a message: 'The following results are related to IPERION HS. Are you interested to view more results? Visit [OpenAIRE - Explore](#).' Below this, it indicates '59 Research Products, Page 1 of 6' and provides a 'DOWNLOAD RESULTS' button. There are also buttons for 'IPERION HS' and 'PUBLICATIONS'. The results are sorted by 'Date (mos...)' and shown in groups of 10 per page. The first result is a 'Publication . Project Deliverable . 2023' titled 'IPERION HS D.9.1 POPD Requirement no. 1', which is 'RESTRICTED' and in 'ENGLISH'. The authors listed are Strlova, Jana; Benassi, Laura; Arminio, Stefania. The DOI is 10.5281/zenodo.7673896. The publisher is Zenodo and the project is EC | IPERION HS (871034). A note states: 'The host institution confirms that it has appointed a Data Protection Officer (DPO) and the contact details of the DPO were made available to all subjects involved in the research.' The second result is a 'Publication . Article . 2023' titled 'Comparison of the Use of Traditional Solvents and Nanosecond 213 nm Nd:YAG Laser in Thinning Naturally Aged Varnish on a Contemporary Oil Easel Painting', which is 'OPEN ACCESS'. The authors listed are Martinez-Weinbaum, Marina; Lozano-Carbo, Miriam; Maestro-Guijarro, Laura; Carmona-Quiroga, Paula; Oujja, M.; Castillejo, Marta.



Discover more: <https://connect.openaire.eu/search/find/communities>

IPERION HS Case study

- IPERION HS community is composed of chemists, physicists, conservators, art historians, archaeologists...They have very different backgrounds, they publish on different journals and have specific repositories for depositing datasets, etc...
- The CONNECT gateway guides researchers to make the research visible and available. How?
- Steps for the IPERION HS researcher:
 - deposit the research products in the IPERION HS Community in ZENODO
 - describe the research products in a FAIR way
 - have ORCID profile automatically updated
 - have the research products linked to the funders (eg. EU) and projects (eg. IPERION HS)
 - have the research products directly caught from OpenAIRE and then..
 - included in the CONNECT gateway!



Discover more: <https://connect.openaire.eu/search/find/communities>



#3 – Impact

OpenAIRE Services and EOOSC



Expected impact on being in EOSC

- OpenAIRE Services are part of the EOSC Portal's Services. IPERION HS/E-RIHS too.
- The OpenAIRE CONNECT and EOSC are increasing the discoverability of IPERION HS/E-RIHS services and research outputs
- CONNECT answers the need of our community to make easier data curation and data interoperability in a so interdisciplinary community.
- The community is also encouraged to practice open science and to make the research results available.
- CONNECT allows monitoring the impact of IPERION HS/E-RIHS community on the global community of heritage science
- The wishes for the future are already here. Together with OpenAIRE, we are also curating a new gateway focused on "heritage science" that will be the legacy of IPERION HS to E-RIHS and the global community. The collaboration with EOSC and OpenAIRE is supporting our researchers to practice open science, monitor the impact of our research on the community and share the knowledge with a broader community. This means innovation, new collaborations...

THANKS

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