

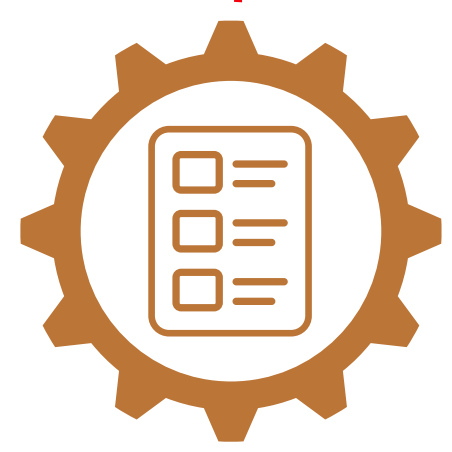
H²IOSC

Humanities and cultural Heritage Italian Open Science Cloud

Supporting digitally enhanced scientific workflows in a clustered Infrastructure

H2IOSC (Humanities and cultural Heritage Italian Open Science Cloud) is a project funded by the National Recovery and Resilience Plan (PNRR) in Italy, aiming to create a federated cluster comprising the Italian branches of four European research infrastructures (RIs) - CLARIN, DARIAH, E-RIHS, OPERAS - operating in the "Social and Cultural Innovation" sector of ESFRI (European Strategy Forum for Research Infrastructures).

H2IOSC in a nutshell



LANDSCAPING AND BUILDING COMMUNITIES

Detailed investigation of the panorama in the SSH domain, to gather information concerning existing projects, resources, tools, communities, best practices, and standards in use.



DATACENTER & COMMON SEMANTIC FRAMEWORK

Bringing semantic interoperability, high-performance computing, trusted repositories and high-speed networking to support data driven Science in the SSH domain.



MARKETPLACE

An Online platform fostering discoverability and access to services, tools, datasets and other resources produced by the participating RIs.



TRAINING

Provide to users and researchers high-quality training materials, support resources FAIRification, promote Open Science & Open Publishing cultures.



COMMUNITY PILOTS

Virtual Environments to support interdisciplinary research in the Humanities and Heritage Science.

RESEARCH COMMUNITIES



H2IOSC facilitates collaboration among researchers from various disciplines in the social sciences and humanities fields.

Role of DARIAH-IT

DEVELOP THE SEMANTIC FRAMEWORK FOR INTERCONNECTED KNOWLEDGE REPRESENTATION

Collect and evaluate tools, datasets, services
Semantization of data and metadata
Standardized vocabularies and ontologies

BUILD THE DISTRIBUTED INFRASTRUCTURE and federate its 8 nodes.

DEVELOPMENT OF FOUNDATIONAL (SSHOC REFERENCE ONTOLOGY) AND DOMAIN SPECIFIC (DIGITAL PHILOLOGY) ontologies to foster resources interoperability.

DEVELOP AEON DARIAH SERVICE ORIENTED INFRASTRUCTURE a service-provision oriented infrastructure interacting with H2IOSC Marketplace.

PROMOTE TRAINING, OUTREACH, DISSEMINATION research and development activities, i.e funding of a Doctoral Scholarship in Digital Philology.

DESIGN PLATFORMS AND HUBS, domain-specific services and workflows.

DIGITAL ARTS AND HUMANITIES COMMUNITY PILOTS

DIGITAL PHILOLOGY HUB

DIGITAL HERITAGE AND MEMORY HUB

Outline of the WPs

WP 1 Project and Financial Management, Quality Assurance

WP 2 Landscaping & building communities

WP 3 Digital Resources Standardization, Consolidation & Alignment

WP 5 Marketplace

WP 4 RIs Nodes and Resources Interoperability

WP 6 Resources Accessibility: Servification, Virtualization, Remotization

WP 8 Training, Capacity Building, Engagement

WP 7 Community pilots: innovative cross-domain services and environments

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