

Digital Strategies and Platforms for Cultural Heritage

The Next Generation EU investment of the MiC Digital Library

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IT-FR cooperation in heritage science - Vth edition

Human-centered approach for cultural heritage in digital transition: disciplines talking to each other

Naples, Suor Orsola Benincasa University

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Digital Library **mission and activities**

The **Central Institute for the Digitalisation of Cultural Heritage (ICDP) – Digital Library** of the Italian Ministry of Culture (MiC)

- **coordinates and promotes** heritage digitisation programmes
- gives strong **recommendations** on digitisation and digital transformation initiatives
- publishes and updates the **National Digitisation Plan (NDP)**, a strategic-operational document to promote and guide the digital transformation processes in the five-year period 2022-2026



NRRP M1C3

MISSION 1 - Digitalisation, innovation, competitiveness, culture and tourism
COMPONENT 3 – Tourism and culture 4.0

INVESTMENT M1C3 1.1

DIGITAL STRATEGIES AND PLATFORMS FOR CULTURAL HERITAGE

Total budget: 500.000.000 Euro

The NRRP investment M1C3 1.1 – Project targets and activities

M1C3 1.1 – Digital Strategies and Platforms for Cultural Heritage – 12 project streams

1_National digitalisation plan for cultural heritage

Adoption of National Digitalisation Plan
Deadline: June 2022

5_Digitisation of cultural heritage

Publication of 65 million digital resources
Deadline: December 2025

9_Portal of services to citizens

Release 6 (di 12) full digital services
Deadline: December 2024

2_Cultural heritage digital identity certification system

Agreement approval with AgID

6_Education and skills upgrading

30.000 individuals trained
Deadline: December 2025

10_Integrated Access Platform - Digital Library

No national indicators

3_Cloud Infrastructure

No national indicators

7_Operational support

No national indicators

11_Co-creation and crowdsourcing platform

No national indicators

4_Cultural heritage software infrastructure

Release of core infrastructure services
Deadline: December 2023

8_Digital preservation hub

100 Institutions involved in digital repositories
Deadline: December 2024

12_Digital services platform for developers and enterprises

95 Digital services published in the catalogue
Deadline: June 2026

Stream 5 – Digitisation of cultural heritage

Total budget: 200.000.000 Euro

Target EU: 65.000.000 digital resources published by **december 2025**

Target ITA: 75.000.000 digital resources published by **june 2026**

Project Objectives:



Digitise

The collections of Museums, Archives, Libraries, *Soprintendenze* and cultural institutions



Increase

Cultural digital resources already available online



Retrieve

Existing digitised material yet not published online

Stream 5 – Digitisation of cultural heritage

The target will be achieved through six main **procedures - thematic call for tenders**, targeted to the enterprises active in the field of the digitisation of cultural heritage

**Microfilms of
ancient
manuscripts**

**Newspapers
(1861-1955)**

**Archival
Documents**

**Artworks and
archaeology in
museum deposits**

**3D and Gigapixel
images**

**Regional
investment**
▪ 70.000.000 Euros

Stream 4 – Software infrastructure for cultural heritage (ISPC)



The Manifesto

The ISPC Manifesto

National Cloud Cultural Data Space The ISPC represents the first **national cultural data space** capable of safely hosting all the Italian digitized cultural heritage within a **cloud environment**

Innovative services Public institutions and relevant stakeholders will be able to **design innovative high-value services (HVS)** according to their specific needs

Artificial Intelligence In the ISPC, the digital cultural heritage is enhanced and enriched by means of **innovative algorithms and Artificial Intelligence techniques**

Core services of the ISPC

1. MANAGEMENT AND PROCESSING OF DIGITAL ASSETS

- Digital Asset Management and Content Processing
- Advanced content processing
- Media Player
- Media Streaming Service



2. SINGLE-DOMAIN KNOWLEDGE GRAPHS (GLAMs)

- Interrogation and retrieval
- Data writing



3. CROSS-DOMAIN KNOWLEDGE GRAPHS

- Query and retrieval – semantic engine based on NLP
- Query and information retrieval – semantic engine based on ontologies

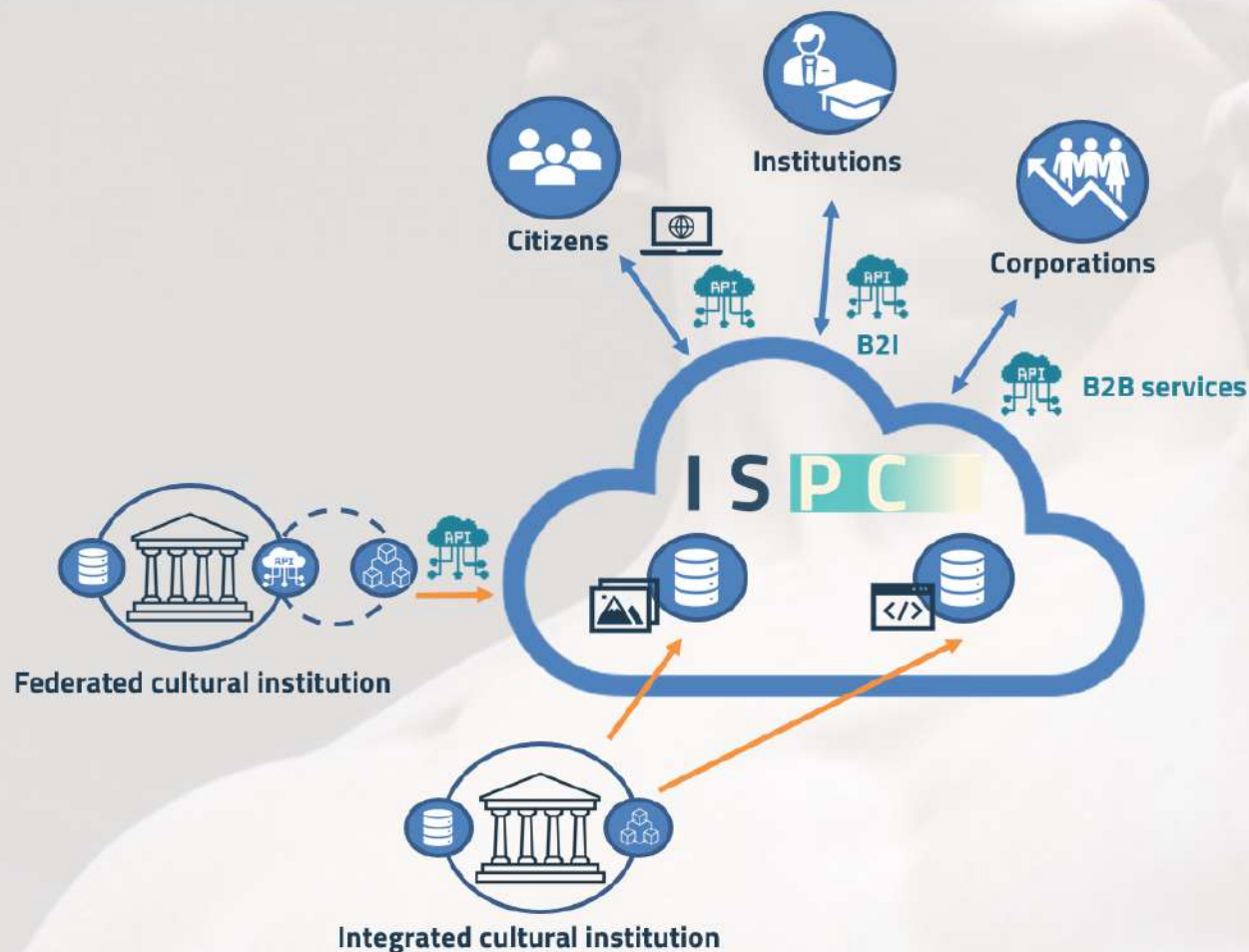


4. PAAS AS A DATA FABRIC

- Machine Learning Models
- Intelligent Workflow
- Data Product
- Business Intelligence and Reporting



The new national Digital Cultural Ecosystem



ISPC - Roadmap

➤ **Q2 2023**

Alpha Release -
early adopters

➤ **Q2 2024**

Core Release

➤ **Q4 2024**

**Complementary
Release**

2022

2023

2024

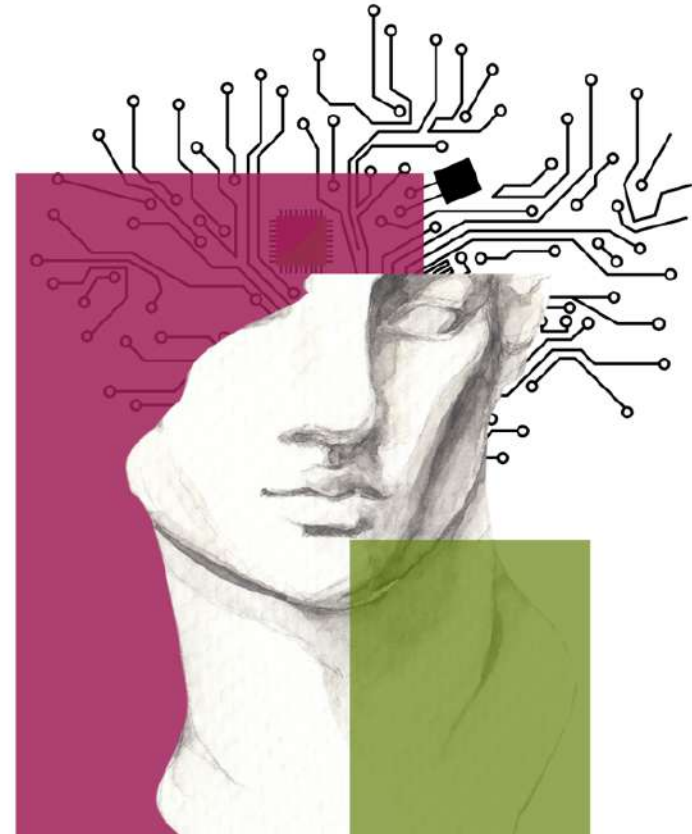
Thanks for your attention!

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Heritage in Digital Transition: Bridging Efforts of EU Long-Term Initiative Ecosystem

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