ICT R&I and Digital Cultural Heritage
EU Actions

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Riches Policy Seminar
Brussels, 19 October 2015

EU actions for Digital Cultural Heritage

- **Policy and coordination**
  - Modernising copyright law / DSM strategy
  - Digitisation, online accessibility, digital preservation / Recommendation 2011/711/EU
  - Reuse of Europe's cultural resources / PSI Directive

- **Funding: Research and innovation, Deployment**
  - R&I: ICT for digitisation, access, enhanced visitor experiences / H2020 – societal challenge 6
  - Europeana / CEF
  - European structural & investment funds

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Digitisation breathes new life into cultural heritage

Curation

Preservation

Conservation

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Digitisation provide access to Cultural Heritage

anytime - anywhere

ICT for Cultural Heritage

- Digitisation
- Online access
- Research
- Digital Preservation
- Preservation and Conservation

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Digitisation 3D-coform

http://www.3d-coform.eu/

Digitisation – INSIDDE

Integration of technological solutions for imaging, detection, and digitisation of hidden elements in artworks.

It was recently discovered a portrait of a woman underneath Goya's portrait of Jovellanos. Museo de Bellas Artes de Asturias

http://www.insidde-fp7.eu

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Digitisation - Rovina

http://www.rovina-project.eu/

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On-line access – CHESS

Cultural Heritage Experiences through Socio-personal interactions and Storytelling

http://www.chessexperience.eu/

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On-line access – V Must Net

Virtual Museums Transnational Network

http://v-must.net/

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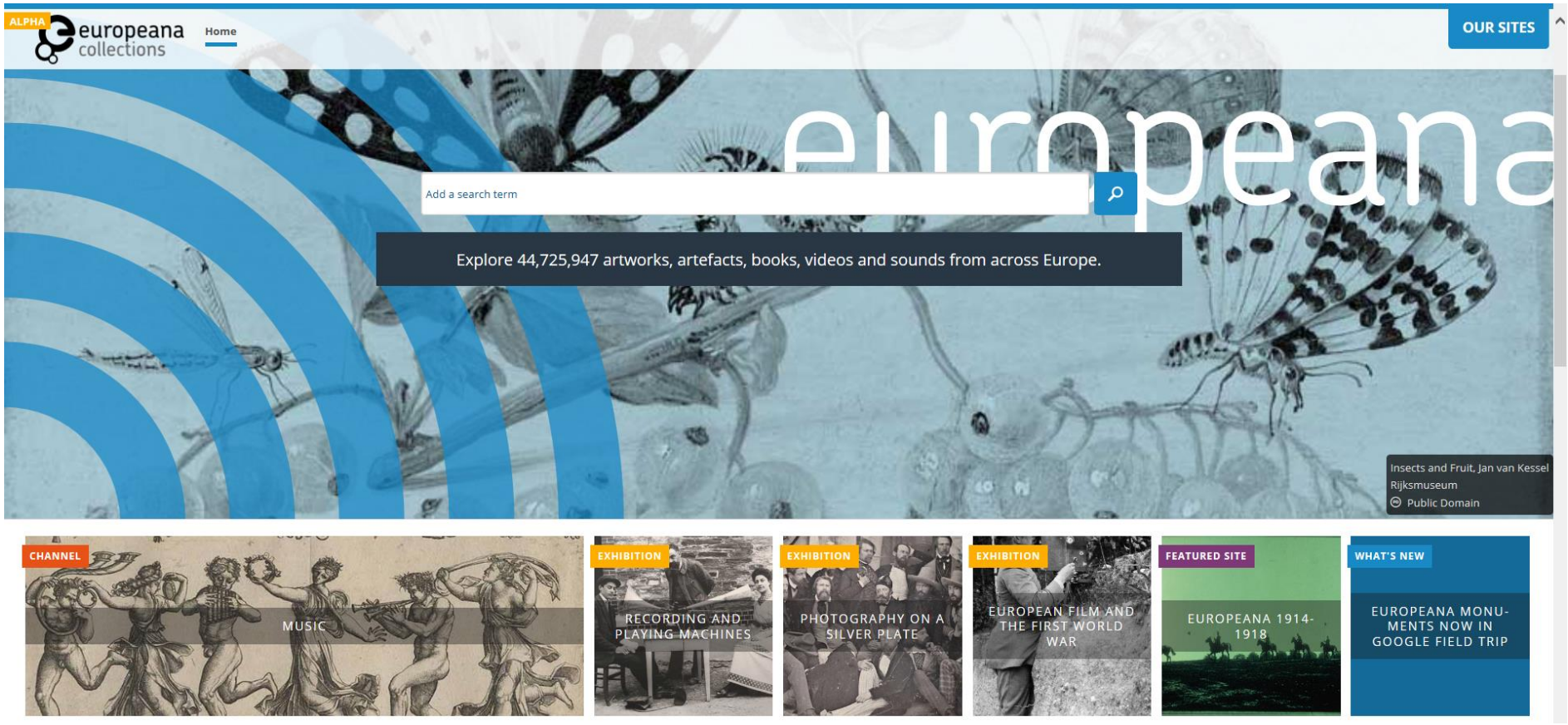
On-line access – Europeana

The European Digital Library



http://www.europeana.eu

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Re-use of content by the creative industries Europeana Space

Europeana Space, Best Practice Network

Spaces of possibility for the creative re-use of digital cultural content

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Conservation

Predictive digitization, restoration and degradation assessment of cultural heritage objects

http://presious.eu/

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What are the next challenges?

What R&I activities are needed to tackle the above challenges?

What can H2020 offer?

What can your community offer?

Horizon 2020

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Three priorities

Societal Challenges (EUR 35.9 bn)

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, environment, resource efficiency and raw materials
6. Europe in a changing world - inclusive, innovative and reflective societies
7. Secure societies - protecting freedom and security of Europe and its citizens

Industrial Leadership (LEIT) (EUR 20.3 bn)

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs

Excellent Science (EUR 27.8 bn)

- European Research Council (ERC)
- Future and Emerging Technologies (FET)
- Marie Curie Actions
- Research infrastructures

Common rules, toolkit of funding schemes

Scientific support to 7 (out of 10) Juncker policy priorities

- ***A new boost for jobs, growth and investment***
- ***A connected Digital Single Market***
- ***A deeper and fairer internal market with a strengthened industrial base***
- ***An area of justice and fundamental rights based on mutual trust***
- ***Towards a new policy on migration***
- ***A stronger Global Actor***
- ***A Union of democratic change***

LEIT
Leadership in Enabling and Industrial Technologies

Main Challenges

A new generation of components and systems
Advanced Computing and Cloud Computing
Future Internet
Content
Robotics and Autonomous Systems
ICT Key Enabling Technologies
Innovation and Entrepreneurship support
Responsibility and Creativity

Societal Challenge 6
Europe in a changing world – inclusive, innovative and reflective Societies

Understanding Europe – promoting the European public and cultural space

CULT-COOP Topics

CULT-COOP-2017-1	**Democratic discourses and the rule of law**
CULT-COOP-2017-2	**Improving mutual understanding among Europeans by working through troubled pasts**
CULT-COOP-2017-3	**Cultural literacy of young generations in Europe**
CULT-COOP-2017-4	**Contemporary histories of Europe in artistic and creative practices**
CULT-COOP-2017-5	**Religious diversity in Europe - past, present and future**

CULT-COOP Topics

CULT-COOP-2017-6	**Participatory approaches and social innovation in culture**
CULT-COOP-2017-7	**Cultural heritage of European coastal and maritime regions**
CULT-COOP-2016-8	**Virtual Museums and Social Platform on European digital heritage, memory, identity and cultural interaction**
CULT-COOP-2017-9	**European cultural heritage, access and analysis for a richer interpretation of the past**
CULT-COOP-2017-10	**Culture, integration and European public space**
CULT-COOP-2017-11	**Understanding the transformation of European public administrations**

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The role of ICT in Reflective Societies

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Can we use ICT to better understand and better explain our culture?

Work Programme information

Pre-publication of the WP on

https://ec.europa.eu/programmes/horizon2020/en/draft-work-programmes-2016-17

Formal adoption of the WP: 13/14 October 2015