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# CULTURAL HERITAGE

within the EU research policy  
current state and perspectives



**NET-HERITAGE**

**Brussels (BE), 24/03/2011**

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# EU Cultural Heritage

Europe's cultural heritage  
is the most **diverse** and **rich** patrimony in  
the world

It is part of **individual** and **collective**  
**identity**

facilitates **EU integration** by creating links  
between citizens





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# EU Cultural Heritage and Economy

- Annual revenue of **EUR 340 billion**
- **9 million jobs** linked directly or indirectly to the tourism sector
- Market conservation of this heritage is estimated at some **EUR 5 billion** per year





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# EU Cultural Heritage is FRAGILE

*Loss: Equivalent of 14 billion Euro/year*

Protection of cultural heritage, in the context of global change, is a major concern for decision-makers, stakeholders and citizens





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# EU role and scope

- What has been the **EC response** to these challenges?
- To which extent is **investment in S&T** a solution?
- What are the **basis and scope of EC intervention** ?
- What are the **available instruments**?





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# EU Cultural Heritage Basis for Action at EU level

- EU Treaty of 1993
- Lisbon Treaty in force from 2009
- Research Framework Programmes since 1986





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# EU Cultural Heritage FP5 (1998-2002)

- Key Action **City of Tomorrow and Cultural Heritage**
- **41 projects** were funded to a total of **EUR 40 million**
- Other funds were provided through the ‘**Socio-economic research**’ Key Action and through the ‘**Fellowship**’, the ‘**Infrastructure**’ and the ‘**International Cooperation**’ programmes. ”





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# EU Cultural Heritage (FP5) Project SUIT

## ‘Sustainable development of Urban historical areas through an active Integration with Towns’

developed methodologies, tools and guidelines to provide municipalities and local authorities with suitable guidelines for developing access to urban areas including cultural heritage

- ✓ Duration: 38 months
- ✓ 6 Partners
- ✓ Start Date: 1st December 2000
- ✓ Project Coordinator: LEMA (BE)
- ✓ Project Web Site: <http://www.lema.ulg.ac.be/research/suit/>







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# EU Cultural Heritage (FP5) Project MULTI-ASSESS

**"Model for multi-pollutant impact and assessment of threshold levels for cultural heritage"** contributed to the air quality policy and constituted an efficient tool for authorities, organisations and individuals that are responsible for taking care of cultural heritage and for reducing maintenance costs.

- ✓ Duration: 40 months
- ✓ 16 Partners
- ✓ Start Date: 1st January 2002
- ✓ Project Coordinator: Swedish Corrosion Institute (SE)
- ✓ Project Web Site: <http://www.corr-institute.se/MULTI-ASSESS/>





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# EU Cultural Heritage FP6 (2002-2006)

- "Scientific Support to Policies" (SSP)
- 23 projects with funding of about EUR 18 million
- Other funds were provided through the 'Citizens and Governance in a knowledge-based Society', through the 'Fellowship', the 'Infrastructure' and the 'International Cooperation' programmes. "





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# EU Cultural Heritage (FP6) Project NOAH'S ARK

**"Global Climate Change Impact on Built Heritage and Cultural Landscapes"** is considered the first project at both a European and worldwide dimension to combine climate change and cultural heritage. This new research area has been referred to as "cultural heritage climatology". NOAH's ARK was awarded the Europa Nostra Grand Prize for Research in 2009.

- ✓ Duration: 36 months
- ✓ 11 Partners
- ✓ Start Date: 1st June 2004
- ✓ Project Coordinator: CNR – ISAC (IT)
- ✓ Project Web Site: <http://noahsark.isac.cnr.it/>





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# EU Cultural Heritage (FP6) Project CULT-STRAT

**"Assessment of Air Pollution Effects on Cultural Heritage"** has included both corrosion and soiling of materials in the development and validation of dose-response functions.

- ✓ Duration: 39 months
- ✓ 13 Partners
- ✓ Start Date: 1st August 2004
- ✓ Project Coordinator: Swedish Corrosion Institute (SE)
- ✓ Project Web Site: <http://www.corr-institute.se/cultstrat/>





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# EU Cultural Heritage FP7 (2007-2013)

- "Environment (including climate change)"
- Up to 2011, FP7 has supported **15 projects** with total funding of **EUR 31.5 million**
- Other funds were provided through the PPP on Energy Efficient Building -EeB and 'Science in Society' and the 'International Cooperation' programmes.





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# EU Cultural Heritage (FP7) CLIMATE FOR CULTURE

**"Damage Risk Assessment, Macroeconomic Impact and Mitigation Strategies for Sustainable Preservation of Cultural Heritage in the Times of Climate Change"** aims to identify the risks for cultural heritage associated to climate change in specific regions. Mitigation/adaptation strategies.

- ✓ Duration: 60 months
- ✓ 27 Partners
- ✓ Start Date: 1st Nov 2009
- ✓ Project Coordinator: Fraunhofer Gesellschaft (DE)
- ✓ Project Web Site: <http://www.climateforculture.eu/>





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# EU Cultural Heritage (FP7-EeB) project 3ENCULT

“Efficient ENergy for EU Cultural Heritage” aims to develop solutions for improving the energy efficiency of **historic buildings in urban areas**

- ✓Duration: 42 months
- ✓11 European Countries
- ✓Start Date: 1st October 2010
- ✓Project Coordinator: EURAC (IT)
- ✓Project Web Site: <http://www.eurac.edu/en/eurac/welcome/default.html>





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# EU Cultural Heritage (FP7) ERA-NET NET-HERITAGE

It will ensure a comprehensive overview of the status of cultural heritage research throughout Europe and provide help in coordinating the sector by allying different domains such as art, history, conservation, maintenance and restoration with architecture, chemistry, physics and engineering.

- ✓ Duration: 36 months
- ✓ 15 Partners
- ✓ Start Date: 1st October 2008
- ✓ Project Coordinator: Italian Ministry for Cultural Heritage and Activities (IT)
- ✓ Project Web Site: <http://www.netheritage.eu/>



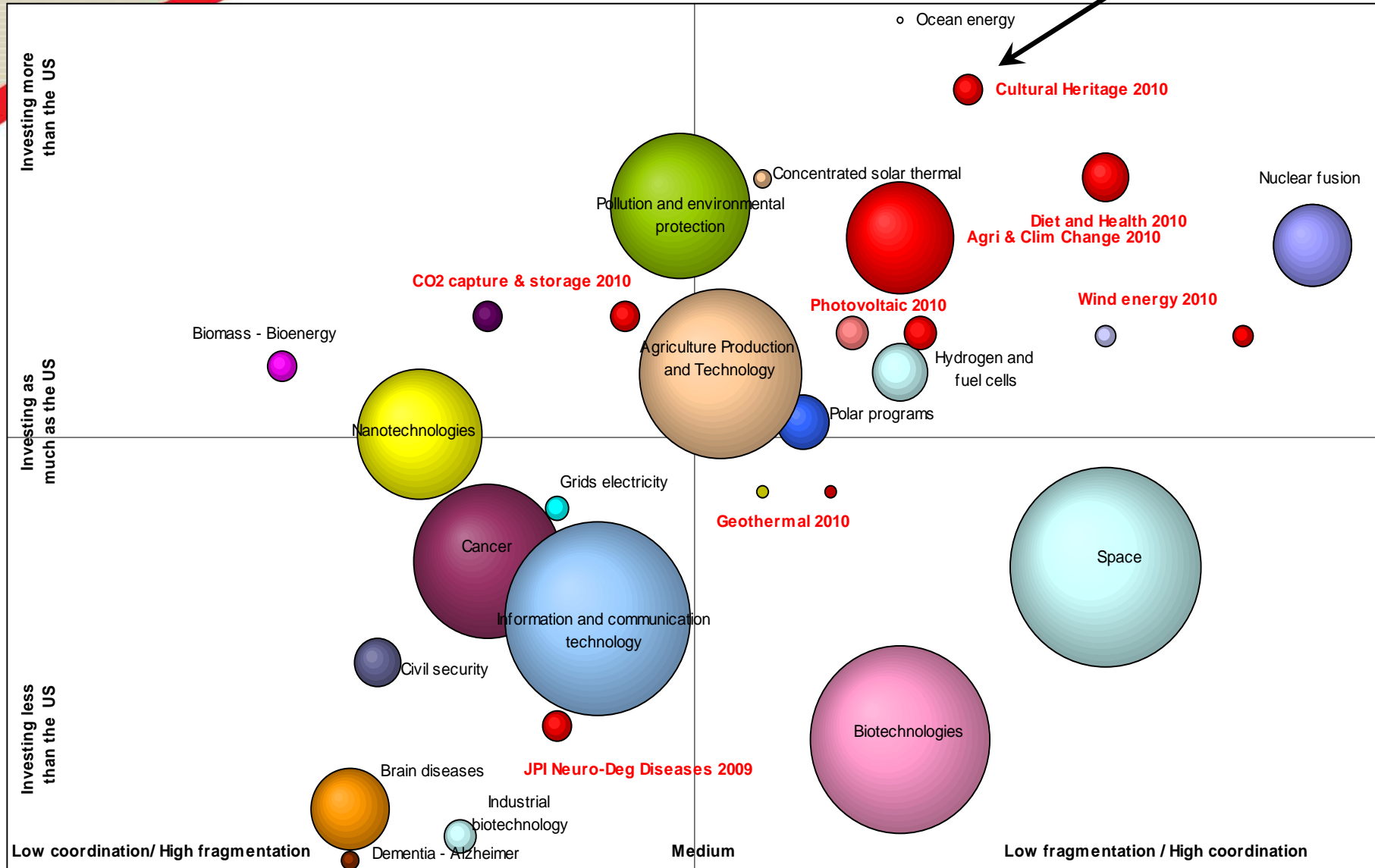




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# A compartmentalized ERA



LP/Brussels, 24 March 2011



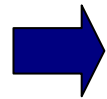


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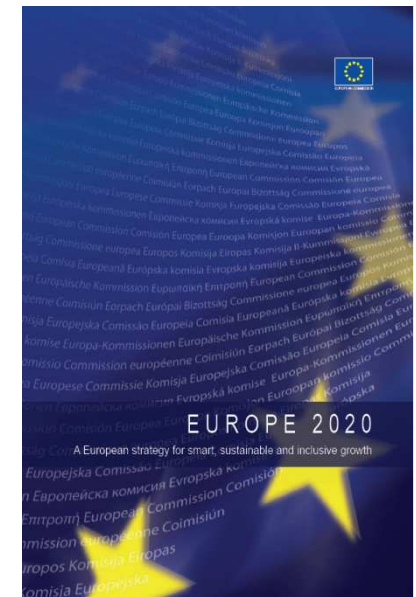
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# Policy Drivers

- ✓ Europe 2020 strategy:  
... a strategy for **smart, sustainable and inclusive growth**"
- ✓ Innovation Union Flagship
- ✓ Resources Efficiency Europe Flagship



**TRANSFORMATIVE and RESPONSIBLE  
INNOVATION**





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# EU Cultural Heritage Research & Innovation

Preparing the ground for future Research  
and Innovation :

- ✓ The Joint Programming Initiative  
**"Cultural Heritage and Global Change:  
a new challenge for Europe"**
- ✓ Public Private Partnership  
**"Energy Efficient Buildings"**





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# EU Cultural Heritage JPI Initiative

- ✓ At present, 14 Member States and 1 Associated country
- ✓ Major international actors in the Advisory Board
- ✓ Common SRA for medium to long-term research needs in the area of preservation and use of cultural heritage
- ✓ Interdisciplinary, cooperation between sciences and humanities for the benefit of citizens
- ✓ Organisation of joint work programmes and joint calls in coordination with the European Commission





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# EU Cultural Heritage PPP-EeB

## "Energy efficient Buildings" (EeB) PPP

aims to decrease energy consumption and reduce CO2 emissions of buildings across Europe through innovative technologies, building and district concepts.

Individual historic buildings (castles, churches and mansions)

Groups of buildings





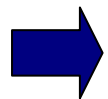
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# post FP7

## COMMON STRATEGIC FRAMEWORK (CSF) for EU RESEARCH and INNOVATION funding

- ✓ Linking research and innovation,
- ✓ Focussing on delivering policy priorities,
- ✓ European added value
- ✓ Impacts and results
- ✓ Solidarity in delivering mutual benefits



### GREEN PAPER (Public Consultation)

from 9 February to 20 May 2011





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# Thank you for your attention

Member States, the Parliament, and other countries are invited to promote the debate with their stakeholders.

<http://ec.europa.eu/research/innovation-union>

The consultation will close on 20 May 2011. The broad debate on this Green Paper will be complemented by targeted consultations, such as on the ERA framework and the EIT's strategic innovation agenda.

