

THE EC'S FIFTH FRAMEWORK PROGRAMME: LATEST CULTURAL HERITAGE RESULTS

Claude Poliart
European Commission,
DG Information Society
Cultural Heritage Applications
Rue Alcide de Gasperi, EUFO 1276, L2920 Luxembourg
Tel.: +352 4301 34226, Fax: +352 4301 34959
email: claudio.poliart@cec.eu.int

Cultural Heritage in Tomorrow 's Knowledge Society

Claude Poliart

Project Officer
Cultural Heritage Applications
DG - INFORMATION SOCIETY



5th FP The IST Programme the Cultural Heritage Content

Information Society Technologies

IST - Key Action III
Multimedia Content and
Tools

striking a balance between competitiveness and the
emerging cultural economy

Information Society Technologies KA III

- Electronic publishing
- Cultural heritage
- Language technologies
- Information access
- Education and training

Cultural Heritage in the IST Programme

"access to scientific
and cultural content

through the networking of libraries,
archives and museums"

**Building compelling and inclusive
cultural landscapes in Europe**

Extract from the 5th Framework Programme

Research and innovation needed

- Improved access to heritage by expanding the contribution of libraries, museums and archives
- Access to heterogeneous distributed and networked collections

Research and innovation needed

- Powerful new functionalities for large-scale digital repositories
- Preservation of electronic materials and surrogates of fragile physical objects

This means working on

- Advanced digital libraries
- Intelligent Heritage
- High quality cultural services and content
- Networking and co-operation

Calls:

- Access - 1999
- Preservation - 1999
- Digital Collections - 2000
- Virtual Representation - 2000
- Heritage for All - 2001
- Next Generation Collections - 2001

Results and Future Plans

IST Programme Cultural Heritage

- Main results
 - ⊖ Advanced Digital Libraries: resource discovery, meta-data, interoperability,...

IST Programme Cultural Heritage

- Main results
 - ⊖ Advanced Digital Libraries: new tools, new services and new business models for cross-domain content navigation ...

IST Programme Cultural Heritage

- Main results
 - ⊖ Intelligent Heritage: visual representations, 3D and VR, user interaction and content understanding, ...

IST Programme Cultural Heritage

→ Main results

- ⊖ **Intelligent Heritage:** innovative Web-based services, enhanced learning and game playing

IST Programme Cultural Heritage

→ Main results

- ⊖ **Preservation:** new techniques for film restoration, digitisation techniques, new business models for exploitation digitised assets

IST Programme Cultural Heritage

→ Main results

- ⊖ **Community Memory:** experimental delivery systems, universal access to memory, citizen-driven creation of future memory...

IST Programme Cultural Heritage

→ Main results

- ⊖ **Consensus Building:** networks of excellence, training, standards platforms, awareness building, benchmarking, evaluation fora,...

Future Research

One of the Pillars of the Knowledge Society and Economy:
INTELLIGENT ACCESS TO PERSONALISED CULTURAL AND SCIENTIFIC RESOURCES

to ensure leadership in the generic and applied technologies and the development of a knowledge society for all

Commission Proposal

- ⊖ Genomics and biotechnology for health
- ⊖ Information society technologies
- ⊖ Nano-technologies, intelligent materials and new production processes
- ⊖ Aeronautics and space
- ⊖ Food safety and health risks
- ⊖ Sustainable development and global change
- ⊖ Citizens and governance in the knowledge society

- ⊖ Anticipating science and technology needs

Budget

⊖ Genomics	2 BC
⊖ Information society technologies	3.6 BC
⊖ Nano-technologies, intelligent materials and new production processes	1.3 BC
⊖ Aeronautics and space	1 BC
⊖ Food safety and health risks	0.6 BC
⊖ Sustainable development	1.7 BC
⊖ Citizens in the knowledge society	0.225 BC
⊖ Anticipating S&T needs	2.345 BC

→ IST in the 6th Framework Programme

ambient intelligence

- ⊖ Bring "people" to the foreground as the "centre of attention"
- ⊖ Build technologies for the background (almost invisible) which are trustworthy and embedded in everyday objects

the priorities - address the major societal and economic challenges, the development of mobile and wireless communications infrastructures and pushing the limits of miniaturisation

Cultural Heritage

6th Framework Programme

"For cultural heritage the effort will concentrate on intelligent systems for dynamic access to and preservation of tangible and intangible cultural and scientific resources."

public-private partnerships

Cultural Heritage

Issues for further development

- ⇒ New forms of digital libraries and content infrastructures
- ⇒ Intelligent heritage and artistic expression
- ⇒ Electronic archival and digital preservation
- ⇒ Community memory and cultural inclusion

Instruments

- Three instruments:
 - networks of excellence
 - integrated projects
 - article 169
- Different from FP5 instruments

Externalisation is a key component of the Commission 's proposal

Networks of excellence

- ⇒ Common programme of activities
- ⇒ Integrating part or totality of research activities of partners
- ⇒ Several M€ /year
- ⇒ Selection by call for proposals
- ⇒ Support researchers from other countries via mobility instruments
- ⇒ Includes research activities

Integrated projects

- ⇒ Strong university/industry collaboration
- ⇒ Global funding involving public and private investment
- ⇒ Large autonomy, including possibility to launch calls for applications
- ⇒ Up to several <tens> M€ /year
- ⇒ Selection by call for proposals
- ⇒ Can be implemented as a big project
- ⇒ 3rd country and SME participation

Article 169

- ⇒ Support to national programmes jointly executed according to art. 169
 - ⇒ Common or priority issues
 - ⇒ Increase impact of national efforts
 - ⇒ Carried out by governments, national research centres or regional authorities
- ⇒ EC funding used to support jointly executed programmes
 - ⇒ Harmonised work programmes
 - ⇒ Coordinated assignment of budgets
 - ⇒ Launch joint calls for proposals

For more information

- eEUROPE
http://europa.eu.int/comm/information_society/eeurope/index_en.htm
- Framework Programmes
<http://www.cordis.lu/>

Claude.poliart@cec.eu.int

For more information

- IST: Cultural Heritage newsletter
<http://www.cordis.lu/ist/ka3/digicult>
- Cultivate Network
<http://www.cultivate-int.org>

Claude.poliart@cec.eu.int