
FP 7 of the European Union: Tomorrows Answers Start Today



Erich Neuhold, University of Vienna
erich.neuhold@univie.ac.at

SAINT 2007, Hiroshima, January 17 to 19,2007

www.ipsi.fraunhofer.de,

erich.neuhold@univie.ac.at

FP 7 in a Nutshell

- **7th Framework Program for Research and Technological Development**
- **EU main instrument for funding research in Europe and associated countries (besides national programs)**
- **Will run from 2007 to 2013**
- **€ 50.5 Billion plus € 2.7 Billion for Euratom**

5 Blocks of Activities – 5 Specific Programs

- **32 B – Cooperation – Collaborative Research**
 - **From Health to Space – includes Information and Communication Technologies (ICT)**

- **7,4 B – Ideas –European Research Council (ERC)**
 - **Frontier research, European Institute of Technology**

- **4,7 B – People – Human Potential, Marie Curie Action**
 - **Education and training, exchange**

- **4,2 B – Capacities – Research Capacities**
 - **Research Infrastructure, Regions of Knowledge, Science in Society**

- **2,7 B – Nuclear Research**
- **(1,7 B Joint Research Centers)**

Ideas – The European Research Council – 7,4 B (?)

- **Leading Edge Research**
 - **First rate researchers are best placed to identify opportunities and directions for frontiers of knowledge**

- **Pan European funding organization**
 - **ERC Starting Research Grants –**
 - **starting independent careers of outstanding young researchers –**
 - **to form a first research team or program**
 - **ERC Advanced Grants –**
 - **support excellent frontier research**
 - **by leading established researchers**
 - **European Institute of Technology (?)**

- **A new Phase of boosting innovation, creativity and competitiveness**
 - **in all industry (especially SME's)**
 - **in all service sectors**

- **Benefits for**
 - **Citizen** -- health care provision, interactive systems for entertainment and learning, safety of care support for the ageing
 - **Researcher** -- network and service infrastructure, performance and reliability, personalized ICT, digital content management
 - **Industry and SME's** – High value of ICT based goods and services, faster productization, media and retail support

Background

Some trends in digital content

- Explosion in the availability of multimedia content
- Produced and remixed by non-professionals
- Consumed on a broad range of devices

- Growing cognitive load and diversity of sources & content types
- More and more data produced by instruments as opposed to humans

- Distributed (e.g. peer to peer) and Socially enhanced content management applications have established themselves as successful solutions

Personal, Community, Organisational and Professional (media) content & information



The First Call – May 2007 (part 1)

3 complementary Objs

- Challenge 1
 - Networked media
 - interoperable network & service infrastructures ?
 - end-to-end systems & application platforms ?
 - Cf NEM meeting minutes ...
- Challenge 4
 - Digital libraries
 - widely (publically) available material
 - supplied by institutions eg libraries, archives, museums
 - emphasis on cultural, educational & scientific content
 - sustainability, usability & preservation over time
 - Intelligent Content & Semantics
 - ... as presented ...

Intelligent Content & Semantics

Obj 3.4.2.1 in the current draft WP

Make digital resources that embody creativity and semantics easier and more cost effective to produce, organize, search, personalise, distribute and use across the value chain.

- **CREATORS:** Design more participative and communicative forms of content (media professionals, enterprise designers, talented amateurs)
- **PUBLISHERS:** Increase productivity in creative industries, enterprises and professional sectors (eg health, law)
- **SCIENTISTS:** Automate link between data analysis, theory and experimental validation
- **ORGANISATIONS & COMMUNITIES:** Automate collection and distribution of digital content and machine-tractable knowledge, and their sharing in collaborative environments



Target sectors

- definite innovation potential, ICT based
- pronounced international character
- sophisticated users
- very large data volumes
- well defined flows & protocols

- most obvious candidates:
 - Creative industries (film, TV, games...)
 - Enterprises from information-bound industries
 - utilities eg energy
 - manufacturing (aerospace, automobile ...)
 - process industries eg pharmaceuticals
 - engineering ...
 - eScience eg life sciences

Thank You!
Questions?

