NEPOMUK
- The Social Semantic Desktop -

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Integrated Project no. 27705
Priority 2.4.7
Semantic based knowledge systems
NEPOMUK supports personal knowledge work

- Knowledge work comprises
  - Collecting, structuring, connecting information
  - Articulation of new ideas, observations, insights, thus generating information
  - Sharing, exchange, and communication according to individual goals, perspectives, and processes

- The personal computer is a work environment which closely reflects the individual way of working in its internal structures
  - Files, folders, bookmarks ...

- Modern work requirements ask for flexibility and collaboration within networks across traditional boundaries
Goal: Build the Social Semantic Desktop

Desktop: Help individuals in managing information on their PC
Semantic: Make content available to automated processing
Social: Enable exchange across individual boundaries

Personal Semantic Web: a semantically enlarged intimate supplement to memory
Social protocols and distributed search
NEPOMUK enabled peers
NEPOMUK will deliver open source tools and standards for smooth collaboration

- The freely available open-source framework comprises
  - Standardized interfaces, architecture, ontologies
  - Plug-in architecture, extendable to suit application needs
  - Building upon standard semantic web technology

- A set of reference implementations covers representative application domains
  - Consulting, BioScience, Strategic planning, Distributed Community work

- A vivid community ensures uptake and extension beyond the project’s duration
  - Active scientific community ([http://semanticdesktop.org](http://semanticdesktop.org))
  - Involvement of open source developer communities
  - Setup of user groups and domain-specific application communities
NEPOMUK realizes the basis for manifold exploitation

**Individual exploitation** concentrates on uptake, adaptation, and commercialization by **tool adaptors & consultation services**, i.e. _spin-offs_.

1. **After first 18 months** (initial project results are available)
   - Internal exploitation
   - Initial awareness via open source and scientific communities

2. **After 2-3 years**
   - External application of project results by industrial partners
   - Uptake in the scientific community
   - Wide-scale awareness within open source community

3. **After 3-5 years**
   - Commercial exploitation by dedicated spin-offs
   - Specific product development
   - Wide societal impact

**Collective exploitation** will focus on establishing & maintenance of a vivid scientific society

- Pursuing standardization and platform & prototype development
- Collective support of standardization efforts (e.g. W3C working group)
The NEPOMUK consortium unites industry, research, and representative users
NEPOMUK is a three-year Integrated Project within the EU 6th Framework Programme

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