Scalable Policy-awarE Linked Data arChitecture for prlvacy, trAnsparency and compLiance

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SPECIAL Aims

- **Companies** whose business models rely on personal data
- **Data subjects** who would like to declare, monitor and optionally revoke their (often not explicit) preferences on data sharing
- **Regulators** who can leverage technical means to check compliance with the GDPR
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  ❖ Gives **users control** of their personal data
  ❖ Represents **access/usage policies** and **legislative requirements** in a **machine readable format**
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• Scalable policy-aware Linked Data architecture
  ❖ Build on top of the Big Data Europe (BDE) platform scalability and elasticity mechanisms
  ❖ Extended BDE with robust policy, transparency and compliance protocols
• **Big Data Europe** scalability and elasticity
• **PrimeLife** policy languages, access control policies, release policies and data handling policies
What we offer:

- Data Processing Transparency Framework
- Policy language
- A framework which combines encryption with HDT compression techniques for RDF datasets

What we are interested in:

- Gathering usecases that depend on privacy preserving data experimentation/integration
- Tools/techniques for efficient querying and reasoning over policies
- Tools/techniques for visualising RDF data
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