Scalable Policy-awarE Linked Data arChitecture for prIvacy, trAnsparency and compLiance (SPECIAL)

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15 July 2019

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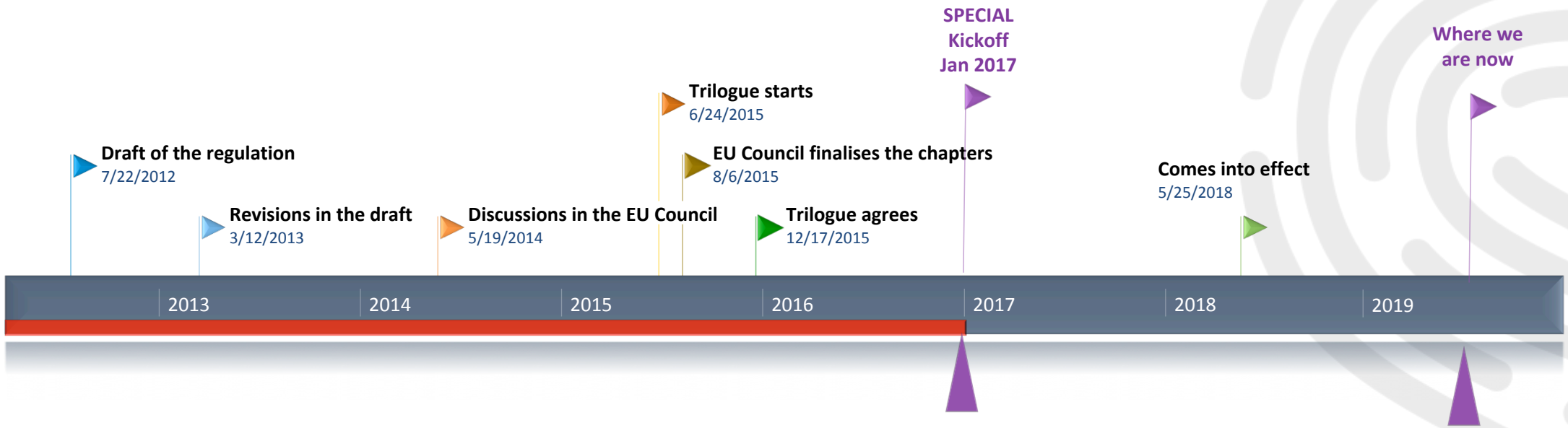
SPECIAL

European Commission

Horizon 2020
European Union funding
for Research & Innovation

SPECIAL Aims

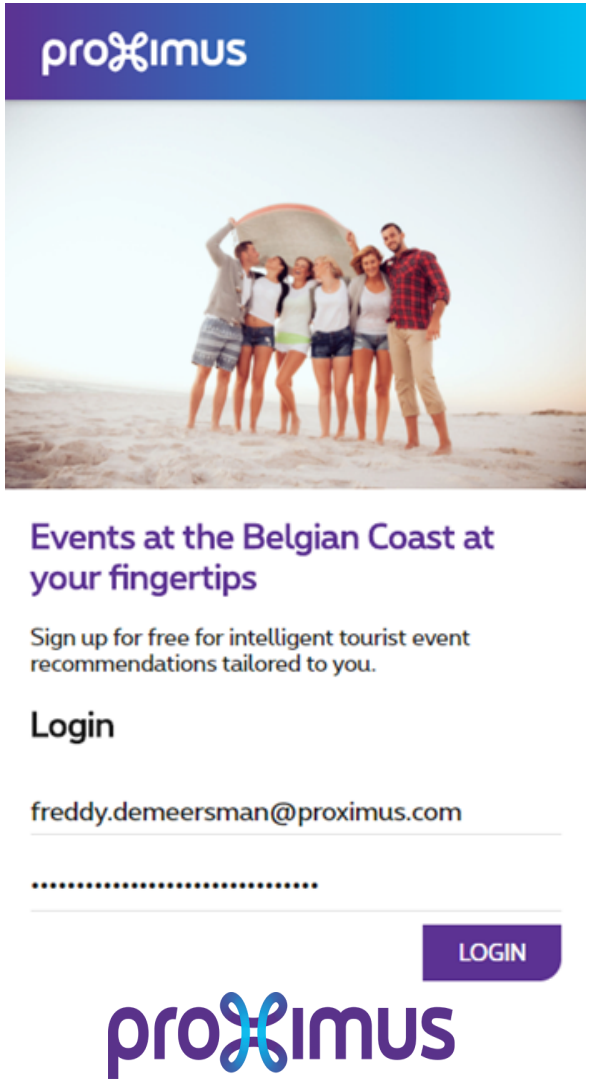


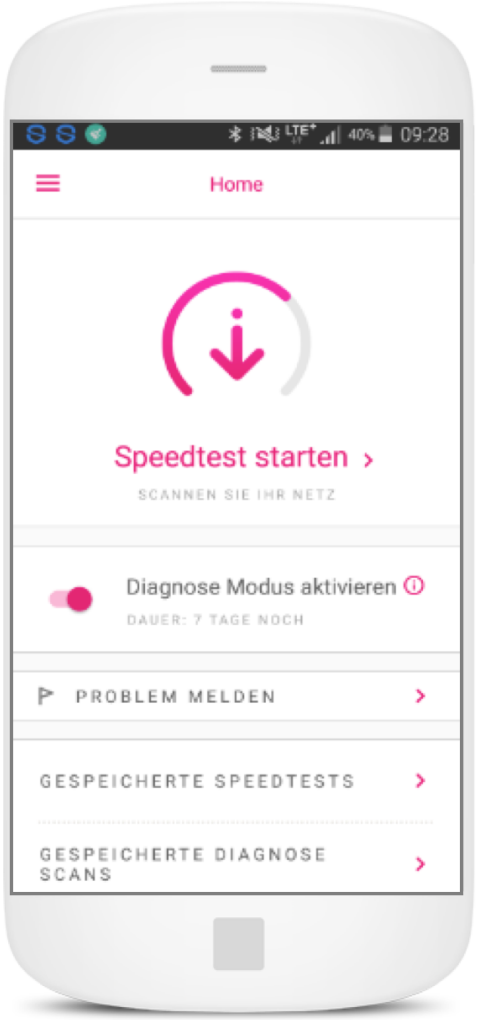
Data subjects who would like to declare, monitor and optionally revoke their (often not explicit) preferences on data sharing

Regulators who can leverage technical means to check compliance with the GDPR

Companies whose business models rely on personal data and for which the GDPR is both a challenge and an opportunity

SPECIAL Use Cases





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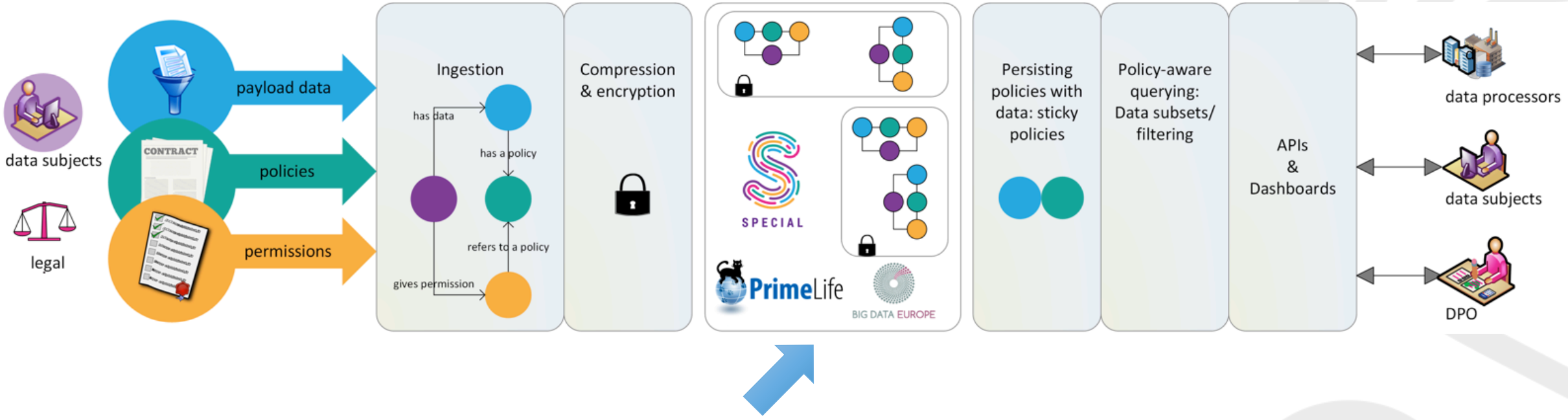
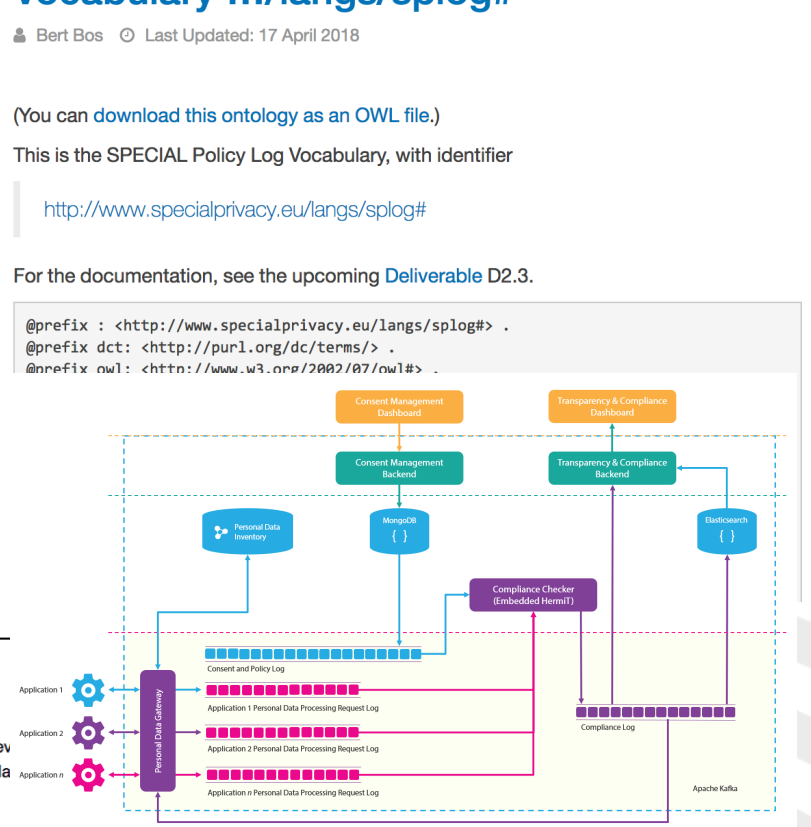
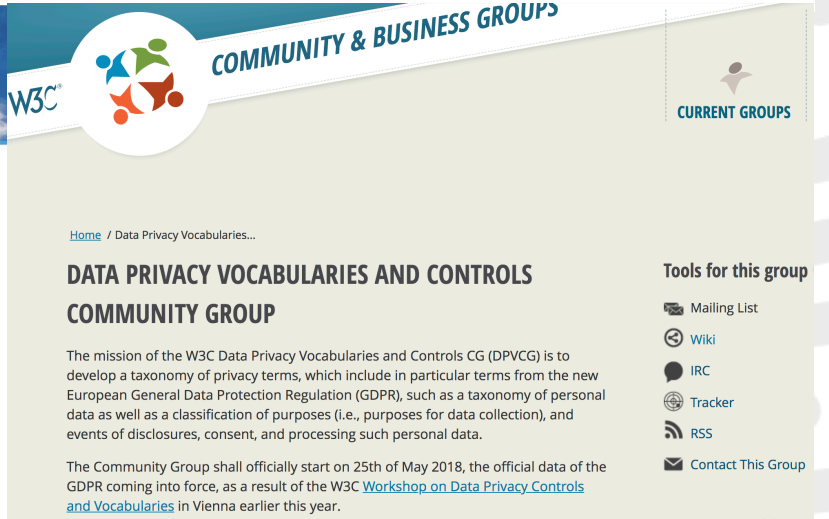
SPECIAL Technical Foundations



SPECIAL leverages past infrastructure and lessons learned

- **Big Data Europe** scalability and elasticity
- **PrimeLife** policy languages, access control policies, release policies and data handling policies
- The **Platform for Privacy Preferences Project** (P3P) and the **Open Digital Rights Language** (ODRL) vocabularies

Exploitable Results

- Resources
  - ❖ The SPECIAL Usage Policy Language http://purl.org/specialprivacy/policylanguage
  - ❖ The SPECIAL Vocabularies https://www.specialprivacy.eu/vocabs
  - ❖ The SPECIAL Policy Log Vocabulary http://purl.org/specialprivacy/splog
- *SPECIAL Ex-Post Compliance Checking*
  - ❖ Demonstrates how usage policies together with event logs can be used to perform ex-post compliance checking
- *SPECIAL Consent and Transparency Interfaces*
  - ❖ Various consent user interfaces and the transparency dashboard
  - ❖ Guidelines for legally compliant consent retrieval

The SPECIAL Policy Log Vocabula
A vocabulary for privacy-aware logs, transparency and co
version 0.3
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Abstract
This documents specifies splog, a vocabulary to log data processing and sharing ev
a given consent provided by a data subject. We also model the consent actions rela
revocation