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

Sabrina Kirrane, WU

15 July 2019 PUT @ PETS

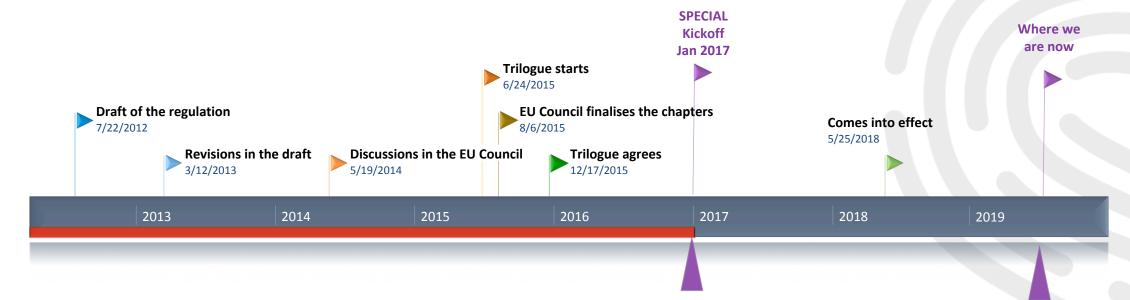




Horizon 2020 European Union funding for Research & Innovation



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



Events at the Belgian Coast at your fingertips

Sign up for free for intelligent tourist event recommendations tailored to you.

Login

freddy.demeersman@proximus.com

.....

LOGIN



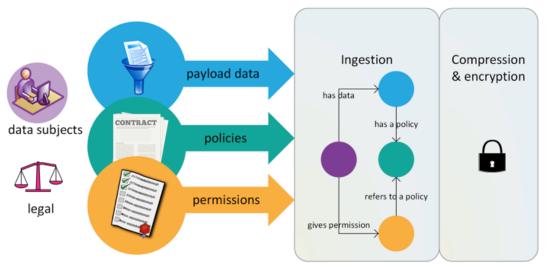


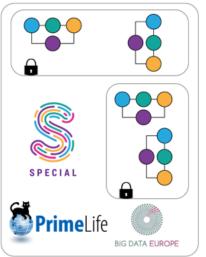


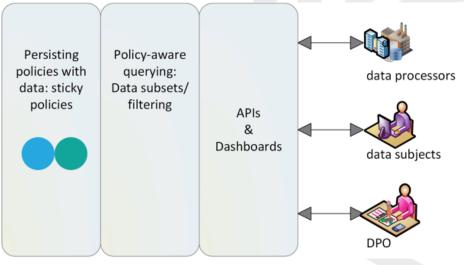




SPECIAL Technical Foundations









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 expost 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

Unofficial Draft 06 April 2018

Javier D. Fernández (Vienna University of Economics and Business)

Piero Bonatti (Università di Napoli Federico II)

Wouter Dullaert (Tenforce)

Javier D. Fernández (Vienna University of Economics and Business) Sabrina Kirrane (Vienna University of Economics and Business)

Axel Polleres (Vienna University of Economics and Business)

This document is licensed under a Creative Commons Attribution 3.0 License

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

What kind of processing took place? Which data was used:

Vocabulary .../langs/splog#

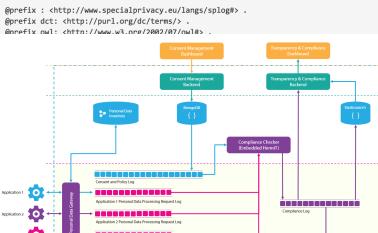
Bert Bos ② Last Updated: 17 April 2018

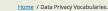
(You can download this ontology as an OWL file.)

This is the SPECIAL Policy Log Vocabulary, with identifier

http://www.specialprivacy.eu/langs/splog#

For the documentation, see the upcoming Deliverable D2.3.





DATA PRIVACY VOCABULARIES AND CONTROLS **COMMUNITY GROUP**

COMMUNITY & BUSINESS GROUPS

The mission of the W3C Data Privacy Vocabularies and Controls CG (DPVCG) is to develop a taxonomy of privacy terms, which include in particular terms from the new European General Data Protection Regulation (GDPR), such as a taxonomy of personal data as well as a classification of purposes (i.e., purposes for data collection), and

The Community Group shall officially start on 25th of May 2018, the official data of the GDPR coming into force, as a result of the W3C Workshop on Data Privacy Controls and Vocabularies in Vienna earlier this year.

Tools for this group

CURRENT GROUPS

Wiki

IRC Tracker

⋒ RSS

Contact This Group

events of disclosures, consent, and processing such personal data.