# W3C Data Privacy Vocabularies and Controls Community Group

Sabrina Kirrane

The End of Privacy 1.0: Data Portability and Information Rights

24/05/2018

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



Scalable policy-aware linked data architecture for privacy, transparency and compliance

https://www.specialprivacy.eu/
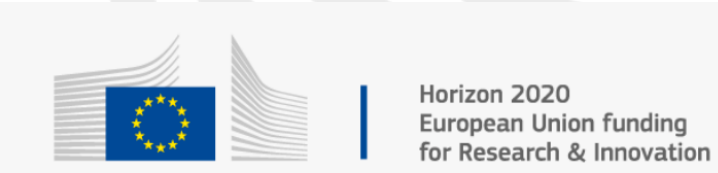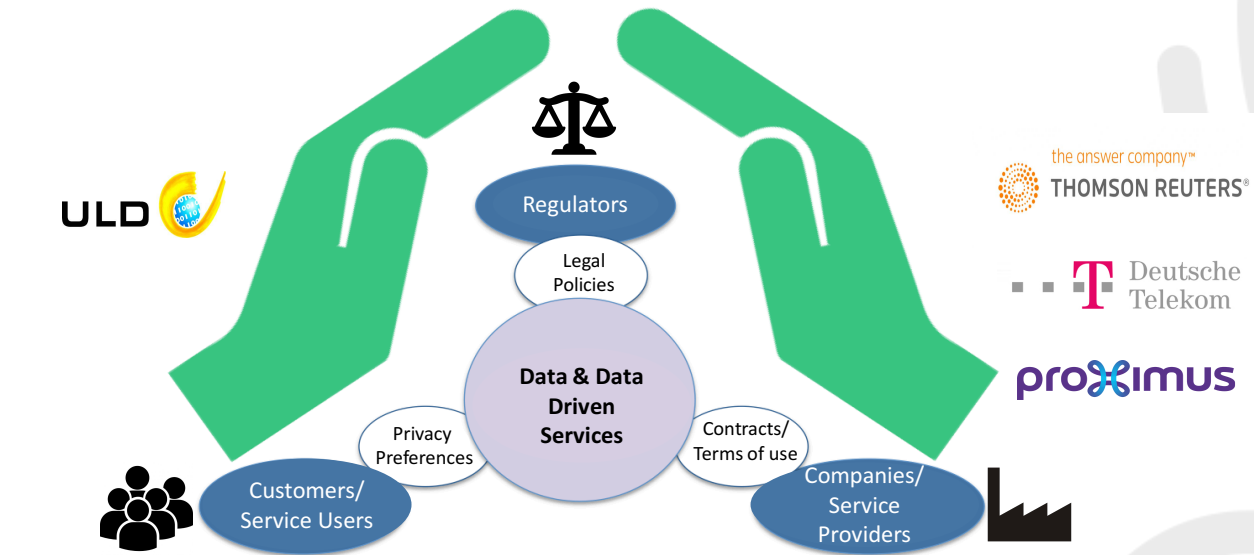
# Data Privacy Controls and Vocabularies

## A W3C Workshop on Privacy and Linked Data

17–18 April 2018, WU Vienna, Vienna, Austria, Europe

| Report | Intro | How to participate | Logistics | Program committee | People | Workshop schedule |
|---|---|---|---|---|---|---|

The level of privacy and trust concerns has raised to a point where people start to refuse services. Services on the Web are often very complex orchestrations of cooperations between multiple actors. This will increase if the upcoming Internet of Things is taken into account. If the trust in such services is eroded, the growth of the Web and the growth of the digital economy is endangered. This workshop wants to address the privacy issue from the angle of data governance and transparency. And if transparency and data self determination are at stake, the challenge may also be how to convey the transparency to the user to allow for an informed self determination. This includes especially methods to generate and administer user consent, even in an IoT environment.

While the workshop is open to a wide range of ideas, it is mainly inspired by the idea that today, we lack the tools for those wanting to be good citizens of the Web. It is related, but not limited to the work on Permissions and on Tracking protection. Because those permissions and tracking signals carry policy data, the systems have to react upon those signals. To react in a complex distributed system, the signals have to be understood by more than one implementer. The challenge is to identify the areas where such signals are needed for privacy or compliance and to make those signals interoperable. This can take the form taxonomies, vocabularies or ontologies. The most important challenge is to make policy and privacy signals interoperable and transportable within various systems, beyond the mere relation in a browsing context. In

# Community Support

## Chairs

- Stefan Decker (Fraunhofer FIT/RWTH Aachen)
- Vassilios Peristeras (Hellenic University)

## Committee members

- Matthieu D'Aquin (Insight Centre for Data Analytics)
- Piero Bonatti (CERICT)
- Rob van Eijk (Leiden University)
- Fabien Gandon (INRIA)
- Lalana Kagal (MIT)
- Sabrina Kirrane (WU Wien)
- Ben Livshits (Brave)
- Ninja Marnau (CISPA)
- Axel Polleres (WU Wien)
- Dave Raggett (W3C)
- Matthias Schunter (Intel)
- Serena Villata (CNRS)
- Rigo Wenning (W3C)
- Robin Wilton (ISOC)
- Ben Whittam Smith (Thompson Reuters)
- Ray Walshe (BDVA)





| Authors | Statement |
| --- | --- |
| Abhishek Kumar | expression of interest |
| Ann Vroom | expression of interest |
| Anne Steinbrück | position statement |
| Axel Polleres, *et al.* | position statement |
| Benjamin Heitmann | position statement |
| Christian Sageder | expression of interest |
| Dalal Al-Azizy | expression of interest |
| Darren Bell | expression of interest |
| Dave Snelling, OASIS/COEL-TC | position statement |
| Durgesh Nandini | position statement |
| Eva Schlehahn, Harald Zwingelberg | position statement |
| Freddy de Meersman | position statement |
| Gautam Kishore Shahi | expression of interest |
| Geerten Verweij | expression of interest |
| Georg Philip Krog | position statement |
| Gerard Kuys | expression of interest |
| Harshvardhan Pandit | expression of interest |
| Jaroslav Pullmann, Christian Mader, Andreas Eitel | position statement |
| Jason Novak | expression of interest |
| Javier D. Fernández, *et al.* | position statement |
| Karen Coyle | expression of interest |
| Mark Lizar | position statement |
| Markus Sabadello | expression of interest |
| Martin Kaltenboeck | expression of interest |
| Martin Kurze | expression of interest |
| Matthias Schunter | position statement |
| Michael Lux, Gerd Brost, Julian Schütte | position statement |
| Michael Markevich | position statement |
| Palmirani Monica | expression of interest |
| Peter Bruhn Andersen | expression of interest |
| Pompeu Casanovas, David Watts | position statement |
| Roghaiyeh(Ramisa) Gachpaz Hamed | expression of interest |
| Yi Yin | position statement |

Relevant vocabularies and initiatives

Panel:

1. COELITION (Joss Langford 10min)
2. ODRL Usage Control (Pullmann, Mader, Eitel 10min)
3. Remote Obligation Enforcement (Lux, Brost, Schütte 10min)
4. Kantara CISWG (Mark Lizar 10min)
5. Decentralised Identifiers (Markus Sabadello 5min)
6. Usage Control & GDPR (Sabrina Kirrane 10min)
7. An ODRL profile for GDPR (Ensar Hadziselimovic 5min)

The governmental side & initiatives

Panel:

1. Integrating ontologies for privacy legal reasoning (Monica Palmirani 10min)
2. Privacy for linked open government data (Peter Bruhn Andersen 10min)
3. The UK Data Archive (Darren Bell 10min)
4. Privacy and Data Protection in Australia (David Watts 10min)
5. GDPR transparency requirements (Schlehahn/Zwingelberg 10min)

Industry Perspective

Panel:

1. Privacy challenges in the Opera Browser (Michael Markevich 10min)
2. Tracking Protection (Martin Kurze & Matthias Schunter 10min)
3. Modeling, recording, communicating and interoperability of consent (Georg Philip Krog 10min)
4. Interoperability issues for mobile operators (Freddy de Meersmann 10min)
5. Building the Legal Knowledge Graph (Victor Mireles 10min)

Research Track

Panel:

1. Privacy preserving profiling (Ramisa Gachpaz Hamed 10min)
2. Linked Data, Provenance, Compliance (Javier Fernández 10min)
3. Data-driven privacy and trust enhancement mechanisms (Yi Yin 10min)
4. Meta-data to describe the details of the anonymization (Benjamin Heitmann 10min)
5. Privacy-utility Control For Linked Data Against Deanonymisability Risk (Dalal Al-Azizy 5min)

# Outputs from the workshop



https://www.w3.org/2018/vocabws/report.html
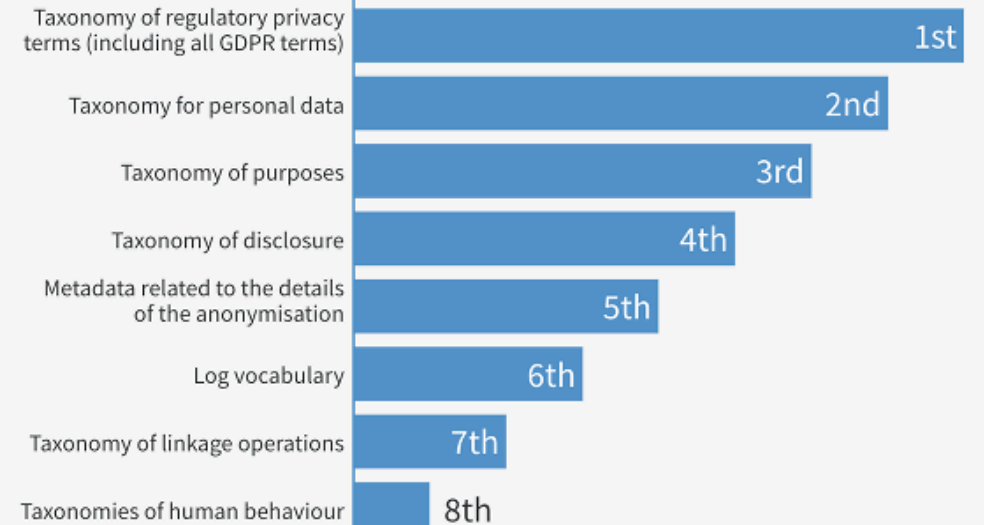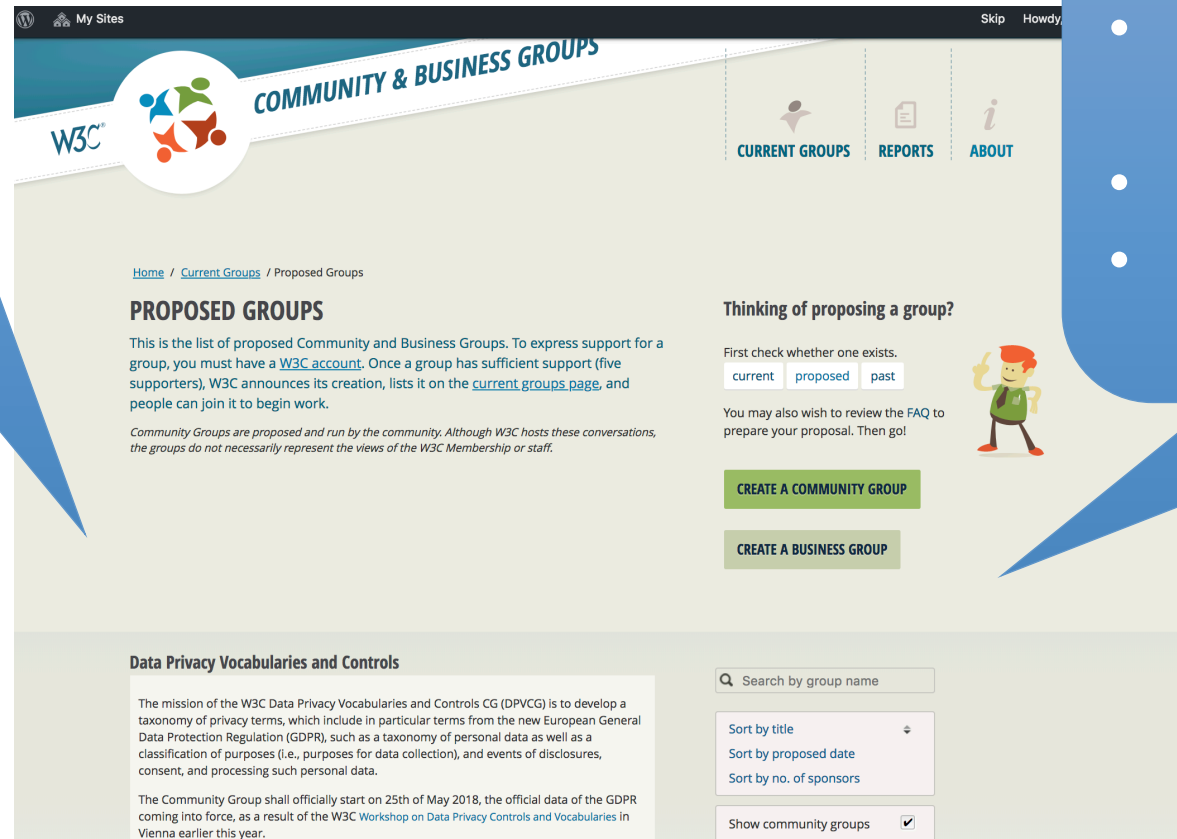
# Initiating the W3C Data Privacy Vocabularies and Controls Community Group

26-30 May 2018 until 30 June 2018: dissemination of invitations to participate in the CG & feedback collection on the present charter draft

- Use cases and requirements
- identification of existing vocabularies and overlaps
- Glossary of GDPR terms
- Define a set of vocabularies

**https://www.w3.org/community/groups/proposed/**

**Axel Polleres, WU (Wirschaftsuniversitat Wien)**

**Bert Bos, W3C**

# Announcing W3C Data Privacy Vocabularies and Controls Community Group



29-31 August 2018: 1st Face-2-Face meeting co-located at **MyData2018** in Helsinki, Finland

12-14 November 2018: 2nd Face-2-face meeting co-located with the **European Big Data Value Forum 20**18 in Vienna, Austria.

https://www.w3.org/community/dpvcg/

**Axel Polleres, WU (Wirschaftsuniversitat Wien)**

**Bert Bos, W3C**

# Thank You / Contact Details

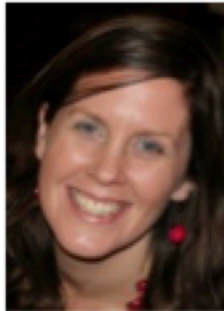**Department of Information Systems & Operations**
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