

W3C Data Privacy Vocabularies and Controls Community Group

Sabrina Kirrane

The End of Privacy 1.0: Data Portability and Information Rights

24/05/2018



SPECIAL



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



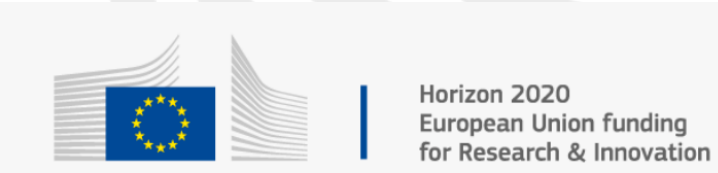
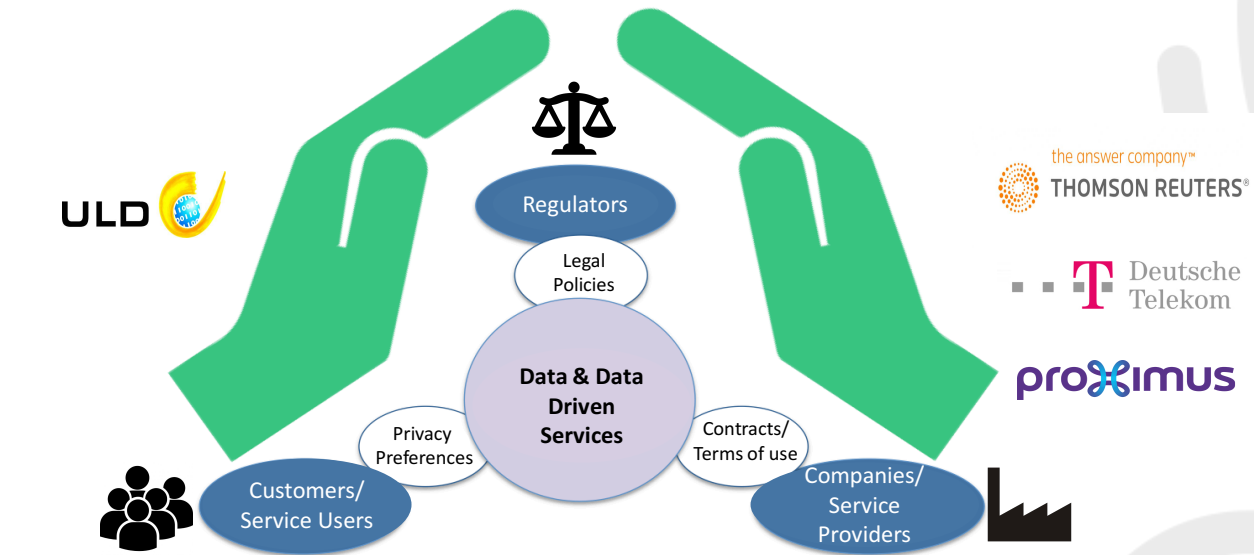
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Scalable Policy-aware Linked Data arChitecture for prIvacy, trAnsparency and compLIance



<https://www.specialprivacy.eu/>



This project receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 731601

Data Privacy Controls and Vocabularies

A W3C Workshop on Privacy and Linked Data

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



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

[#dataprivacy18.](#)

Important Dates

28 February 2018:
Deadline for submission of expressions of interest and position statements

19 March 2018:
Acceptance notification and registration instructions sent

11 April 2018:
[Program announced](#)

09 April 2018:
Deadline for registration

17–18 April 2018:
Workshop



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, <i>et al.</i>	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, <i>et al.</i>	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
Roghayieh(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



Data Privacy Controls and Vocabularies – Report

A W3C Workshop on Privacy and Linked Data

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



Under construction...

Summary

On 17 and 18 April 2018, some forty people took part in a W3C workshop on data privacy controls and vocabularies. The focus was especially on the semantic Web (linked data) and its role in implementing the [GDPR](#), the new privacy rules protecting EU citizens from May 2018.

Support for the workshop came from the European research project [SPECIAL](#). The [WU Vienna](#) (Vienna University of Economics and Business) provided the meeting facilities.

Stefan Decker (Fraunhofer FIT/RWTH Aachen) and Vassilios Peristeras (Hellenic University) chaired the program committee. They also led the discussions at the workshop.

The [agenda](#), developed on the basis of [position statements](#) submitted by the participants before the workshop, consisted of sessions on four themes, 'relevant vocabularies and initiatives', 'industry perspective', 'research topics' and 'the governmental side & initiatives'. The workshop ended with a discussion on next steps and more in particular on priorities.

[#dataprivacy18](#)

Host



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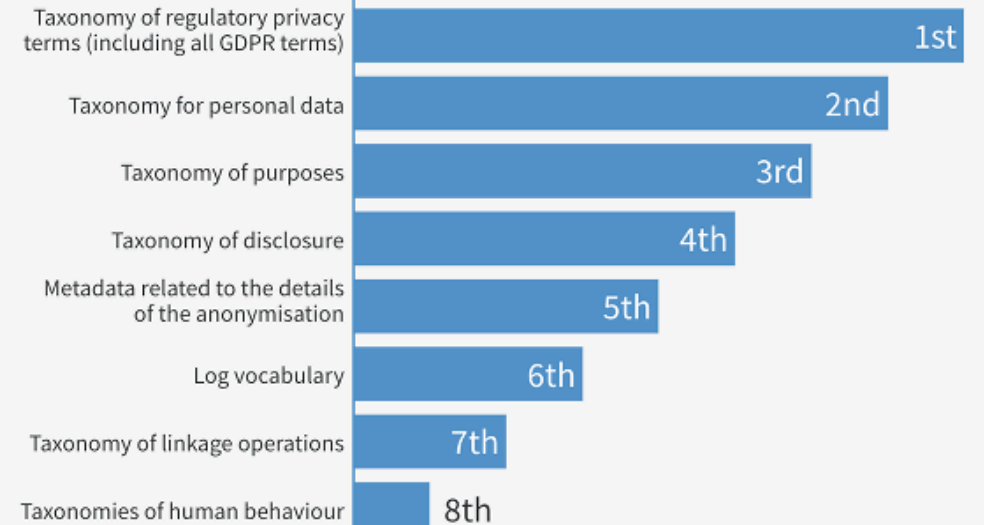
W3C gratefully acknowledges [WU Vienna](#) for hosting this workshop.

Sponsors

The workshop is supported by the [SPECIAL](#) project, which receives funding from the European Union

What would you like to standardise (rank in order)?

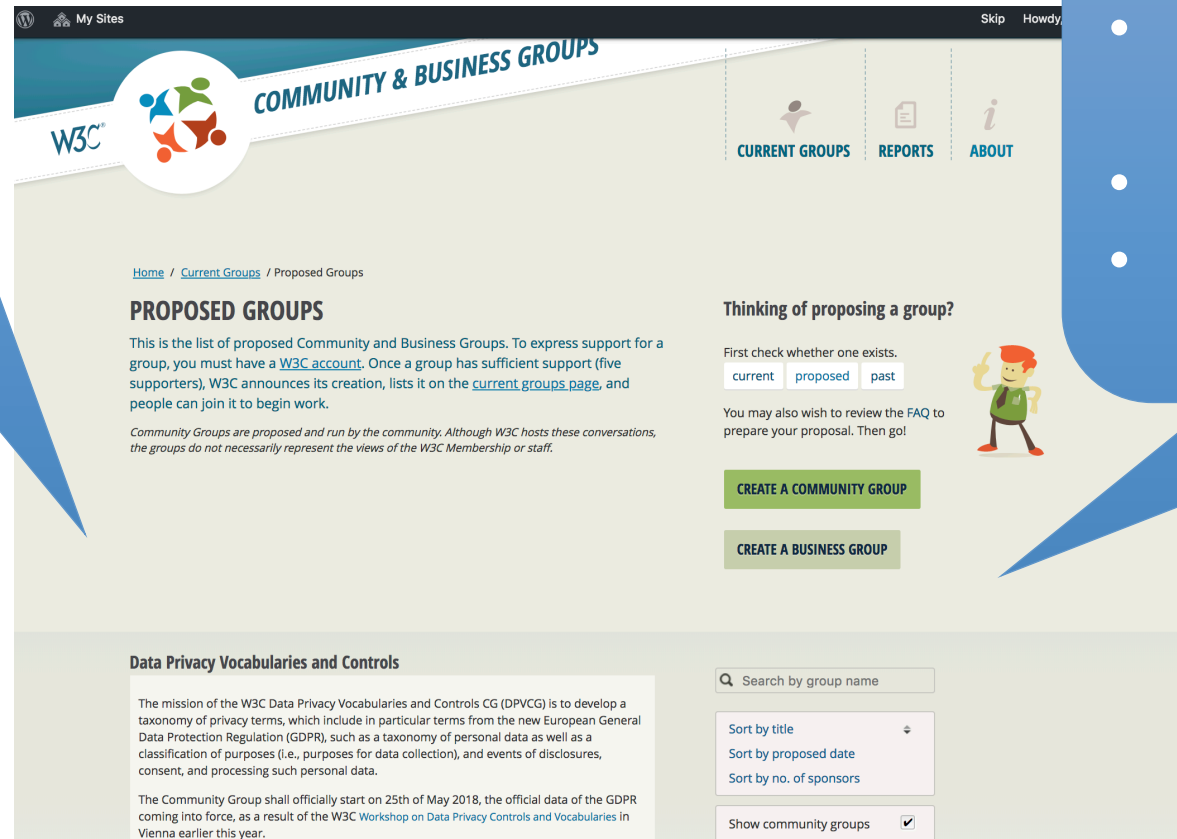
When poll is active, respond at [PollEv.com/sabrinakirra386](https://www.poll-ev.com/sabrinakirra386)



<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



The screenshot shows the W3C website's 'COMMUNITY & BUSINESS GROUPS' page. The main heading is 'PROPOSED GROUPS'. Below it, there is a paragraph explaining that to express support for a group, one must have a W3C account and that once a group has sufficient support (five supporters), W3C announces its creation. There are two buttons: 'CREATE A COMMUNITY GROUP' and 'CREATE A BUSINESS GROUP'. A search bar and sorting options are visible at the bottom right of the page.

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



Axel Polleres, WU (Wirtschaftsuniversitat Wien)

<https://www.w3.org/community/groups/proposed/>



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 2018** in
Vienna, Austria.



Axel Polleres, WU (Wirtschaftsuniversitat Wien)

My Sites Skip Howdy, Sabrina Kirrane

W3C[®] COMMUNITY & BUSINESS GROUPS

CURRENT GROUPS REPORTS ABOUT

[Home](#) / Data Privacy Vocabularies...

DATA PRIVACY VOCABULARIES AND CONTROLS COMMUNITY GROUP

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

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.

It is the goal of the CG to harmonize related efforts and bring together stakeholders that already have brought forward proposals to develop respective vocabularies to enable semantic interoperability and interchange of transparency logs about personal data processing, enable data portability for data subjects, etc. The exact scope of use cases related to making personal data processing interoperable by respective standards in order to ease proof of compliance with the GDPR and related privacy protection regulations will be the first deliverable of the CG.

More concretely, the following steps and deliverables are planned so far.

Tools for this group *i*

- Mailing List
- IRC
- RSS
- Contact This Group

Get involved *i*

Anyone may join this Community Group. All participants in this group have signed the W3C Community Contributor License Agreement.

JOIN THIS GROUP

None yet *i* *Chairs* ↘

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



Bert Bos, W3C

Thank You / Contact Details



VIENNA UNIVERSITY OF
ECONOMICS AND BUSINESS

Department of Information Systems & Operations

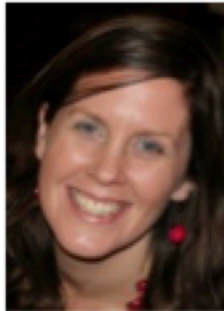
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Horizon 2020
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The project SPECIAL (Scalable Policy-aware linked data architecture for privacy, transparency and compliance) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731601 as part of the ICT-18-2016 topic Big data PPP: privacy-preserving big data technologies.