



An Introduction to RDF and SPARQL 1.2

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<https://www.w3.org/Talks/2025/iswc-tutorial-rdfsparql-12/>

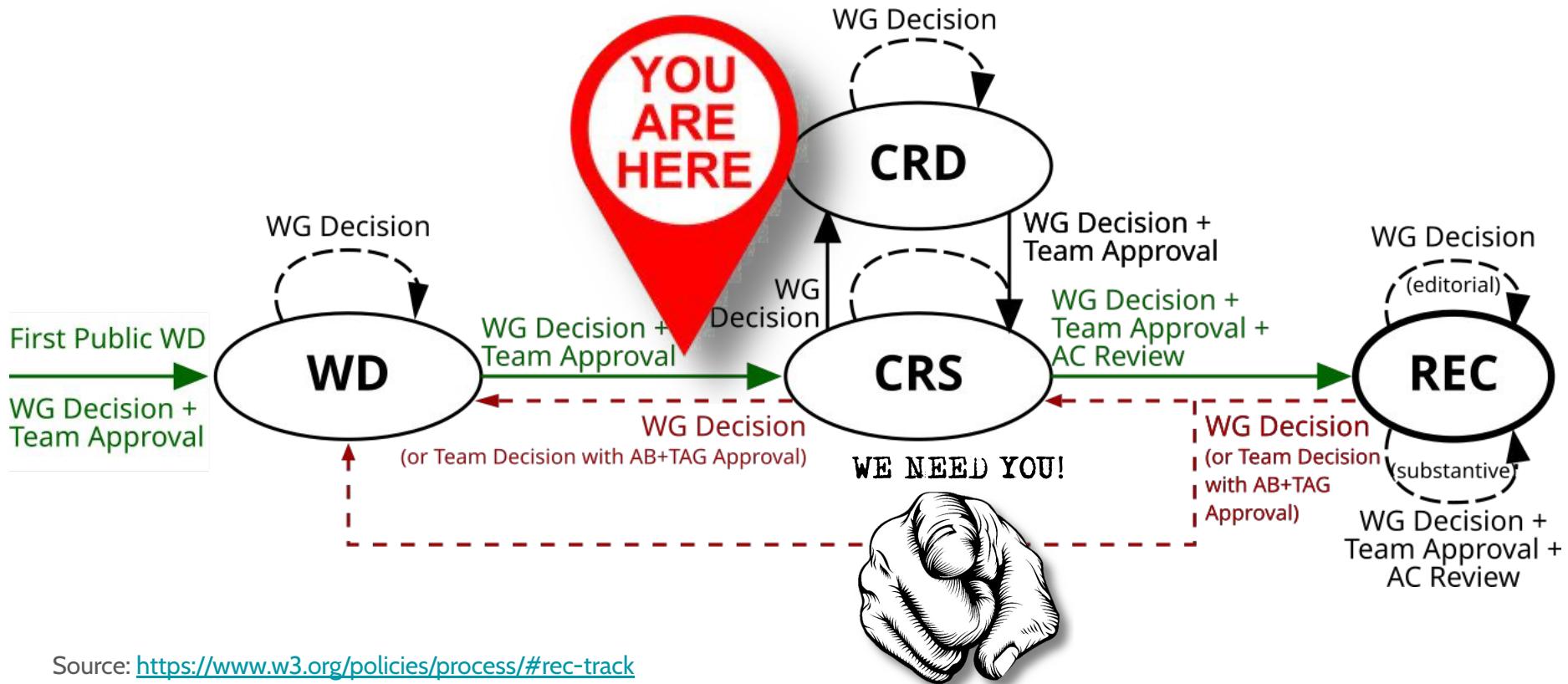
Who's who

- Pierre-Antoine Champin (W3C / Inria)
 - Co-editor of RDF 1.2 Concepts, W3C staff contact of the Working Group
- Enrico Franconi (Free University of Bozen-Bolzano)
 - Co-editor of RDF 1.2 Semantics
- Ruben Taelman (Ghent University - imec)
 - Co-editor of SPARQL 1.2



Gregg Kellogg (1957-2025)

Are we 1.2 yet?



Outline

-  Introduction and overview
-  History and motivation
-  Foundations of triple terms and reification
-  Discussion and questions
-  Break
-  Triple terms and reification in SPARQL
-  Overview of smaller additions and changes
-  Discussion and questions

History of RDF and SPARQL

- 1999 : RDF
 - concepts, RDF/XML syntax
- 2004 : RDF 1.0
 - semantics, RDF Schemas
- 2008: SPARQL
- 2013: SPARQL 1.1
 - update
- 2014 : RDF 1.1
 - Turtle & co., JSON-LD 1.0, named graphs

History of the Working Group

- The [RDF-star Working Group](#) (now RDF & SPARQL Working Group) was created on 29 August 2022
- taking up the work of the [RDF-Dev Community Group on RDF-star](#) started in November 2020
- This was triggered by the W3C Workshop on [Web Standardization for Graph Data](#) on 6 March 2019
- where Olaf Hartig presented his work on RDF*, started in the [Dagstuhl Seminar on Semantic Data Management](#), in April 2012

Motivations

- Making statements about statements
→ fix reification
- Interoperability with Labeled Property Graphs
→ in particular their ability to add properties on edges

