Welcome!

This workshop is focused on **tools** for ontology engineering. It aims to cover the whole lifecycle of ontologies. Its objective is to better understand what tools exist, what are the common challenges in using them, what should be in the toolkit of an ontology engineer in 2021 and where are the gaps.

A word on OntoCommons

OntoCommons is an EU Collaboration and Support Action dedicated to laying the foundation for interoperable, harmonised and standardised data documentation through ontologies, focusing in particular on materials and manufacturing.

One of the objectives of the project is to

"Develop a ready-to-use Ontology Commons EcoSystem (OCES) for data documentation, including a set of ontologies and tools"

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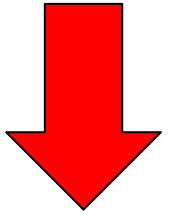
What is going to happen today

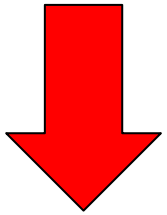
All times GMT

- 10am **Introduction**
- 10.15am First session of (4) presentations - Q&A at the end
- 12.45pm Second session of (4) presentations - Q&A at the end
- 2pm Third session of (3) presentations - Q&A at the end
- 3pm Panel on the Suitability of Ontology engineering tools

Questions/discussions through zoom chat or sli.do

Polls sent through sli.do





The speakers

Session 1:

Katariina Kari
Zalando

Veronika Heimsbakk
Capgemini

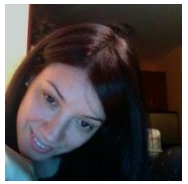
Sebastian Tramp
eccenca

Clement Jonquet
LIRMM

Session 2:

Enrico Franconi
University of Bozen-Bolzano

Giancarlo Guizzardi
University of Twente



Valentina Presutti
Università di Bologna

Peter Haase
metaphacts

Session 3:

Michael Gruninger
University of Toronto

Till Mossakowski
Otto-von-Guericke-University Magdeburg

Juan Sequeda
data.world

Panel:

Mehwish Alam
FIZ Karlsruhe - Leibniz Institute for Information Infrastructure

Enrico Motta
The Open University

Aldo Gangemi
University of Bologna

Maria Keet
University of Cape Town

Stephen Kahmann
iNovex Information Systems

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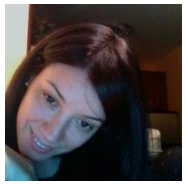

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What will happen after

Use the discussions, questions, responses from the questionnaire, presentations, and our notes from today to establish our recommendations for an ecosystem of tools for ontology engineering (applicable in OntoCommons and a broader contexts).

Written up in a report (OntoCommons deliverable 4.1), the draft of which will be shared with you.

Continues discussion and engagement on how to improve this ecosystem.

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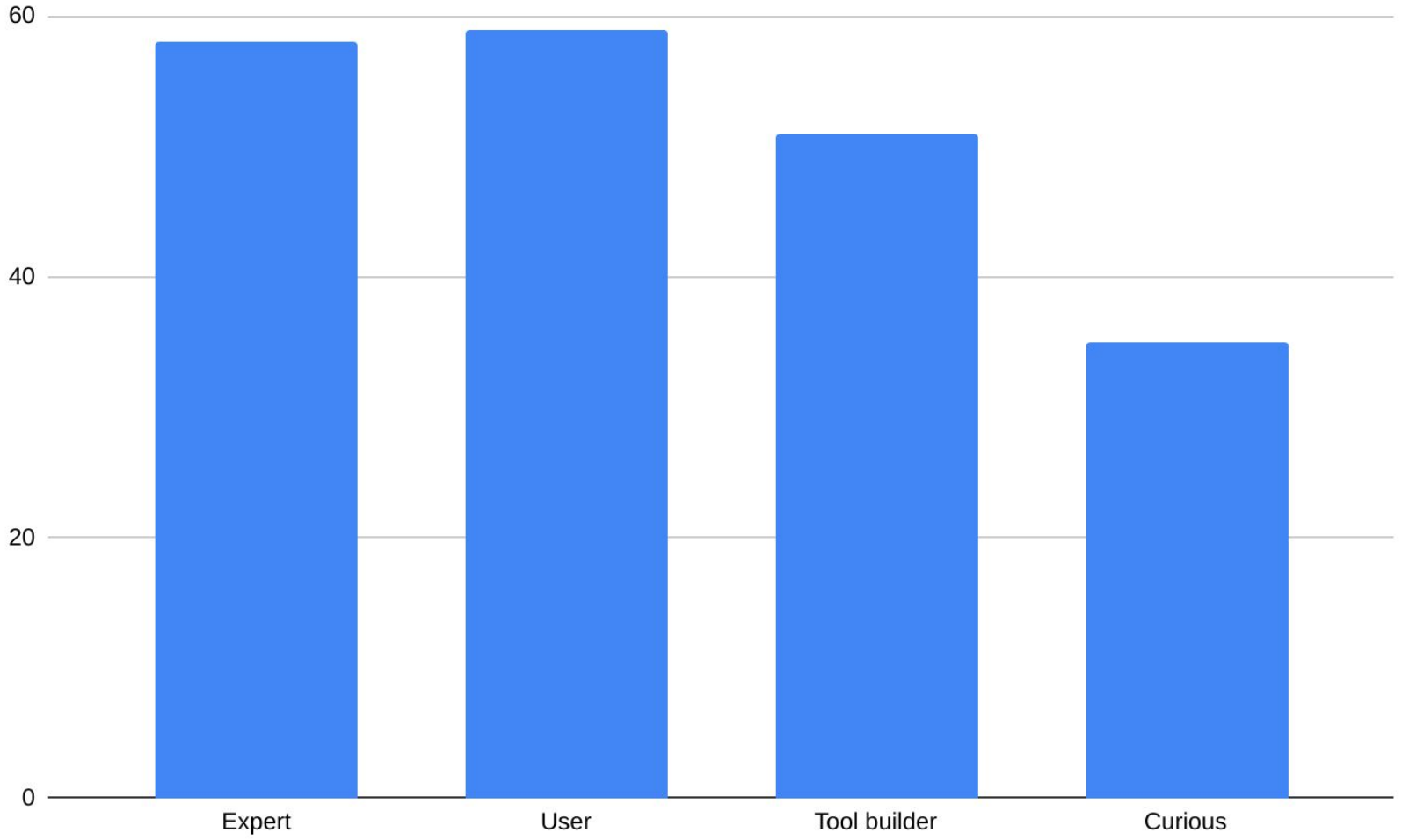
Some insight from the questionnaire

132 responses



And the most cited tool is…

And the most cited tool is…

Protégé

(with 77 mentions)

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Protégé

(with 77 mentions)

Some quotes:

"I don't use tools, except Protégé, but only for representation"

"*Protégé, emacs, Unix command-line text processing tools, OTTR, SPARQL servers, SQL databases, MS Excel, graph diagram tools (Gruff, GraphViz, yEd, ...)*"

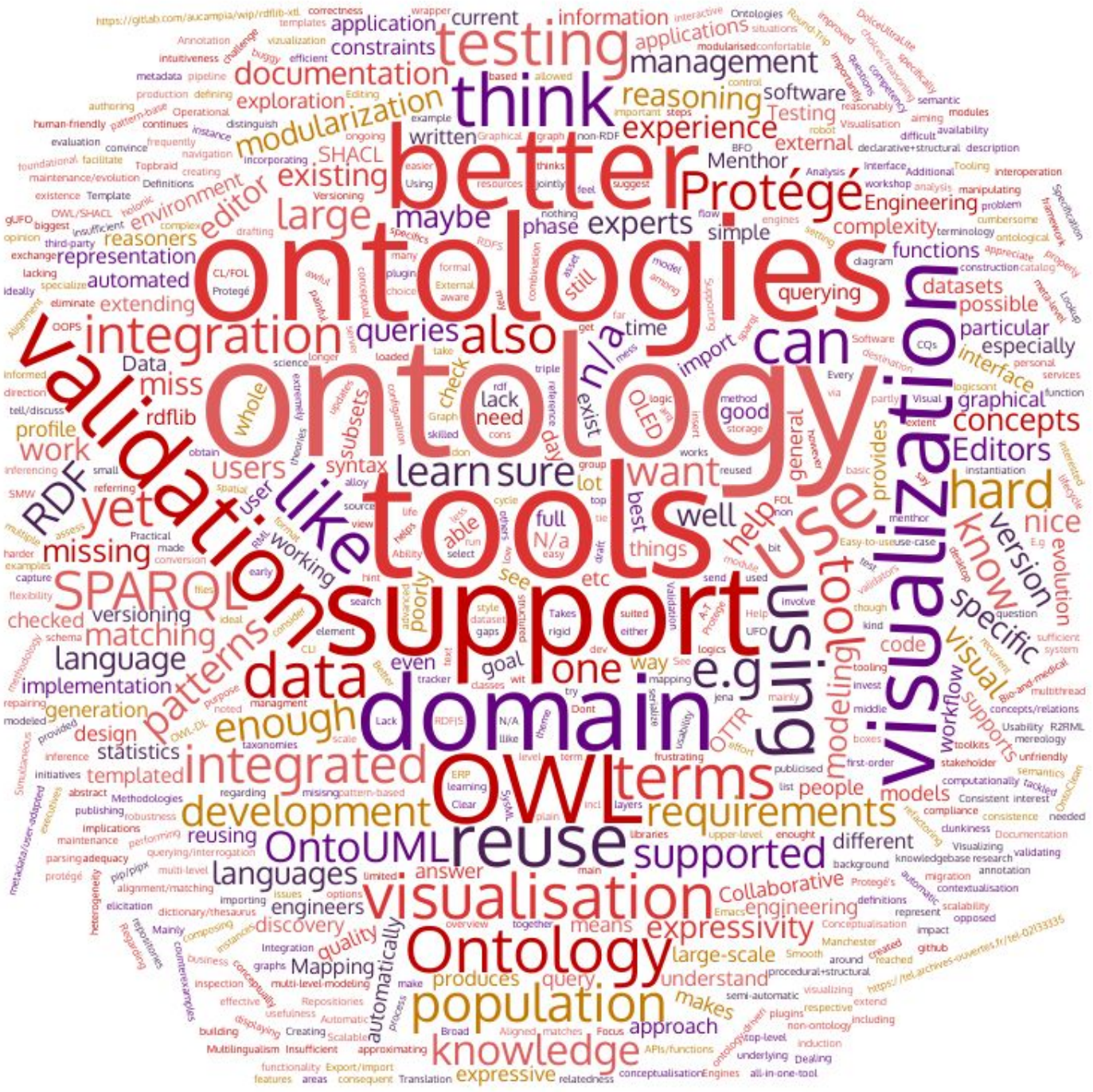
"Spreadsheets to collect terms and definitions, Diagrams.net (former Draw.io) to sketch conceptual models, Protègè for implementation of ontologies in OWL, OWL API to integrate ontologies depeloped in OWL to applications."

ONTO COMMONS
ONTOLOGY-DRIVEN DATA DOCUMENTATION FOR INDUSTRY COMMONS

What tools do you use for what?

ONTO COMMONS
ONTOLOGY-DRIVEN DATA DOCUMENTATION FOR INDUSTRY COMMONS

What features are missing?

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Protégé
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integration
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constraints
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Testing
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easier
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feel
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External
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Data
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Annotation
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facilitate
Topbraid
maintenance/evolution
Definitions
existence
Template
OWL/SHACL
gUFO
biggest
third-party
exchange
lacking
ideally
eliminate
OOPS
informed
science
loaded
triple
Every
Software
personal
services
logicsont
terminology
description
interoperation
declarative+structural
availability
modules
semantic
Visualisation
Analysis
Interface
Additional
Tooling
workshop
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