

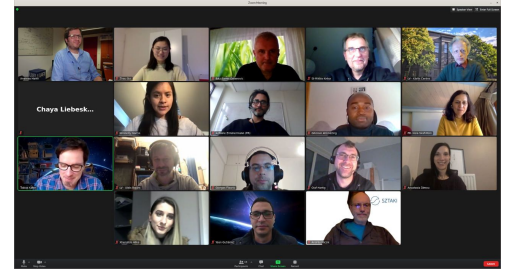
3d: Progress of each WG

COST Action CA19134 Distributed
Knowledge Graphs

WG1

- **Member count: 61** people registered to the mailing list
- 7 use cases contributed to the “Use Cases and Requirements” **deliverable**
- Work session on **cataloguing Covid-19 datasets** (9th Sep. 2021, Amsterdam plenary/hybrid)
 - **Observation:** we need a clear set of metadata elements and tools for metadata generation
- **Metadata workshop, with WG3** (18th – 20th May 2022, Lyon, **32** participants)
 - **Output:** draft set of metadata properties for KGs; test usability of tools for metadata generation
- **Development of KG Metadata specification** underway in the W3C Knowledge Graph Construction Community Group

WG2



- **85** people registered to the mailing list, 32 people on e-Cost platform
- Kick-off meeting January 20th, 2021 > 20 participants, online
- Work session September 9th, 2021 in Amsterdam
- Ten use cases for Use Cases and Requirements document
- All the Agents Challenge (ATAC) at ISWC 2021, online
 - FAU Erlangen-Nuremberg, DE; KIT, DE; EMSE, FR; UniSG, CH
- Workshop Consumers of Distributed Knowledge Graphs in Digital, Industry and Space February 16, 2022 with seven papers, online

<https://docs.google.com/document/d/1ffdLCztTGzQHxAq78hJPtqHmsFciazQpJc9MZk5y6g/edit>

- University of St. Gallen, CH; FAU Erlangen-Nuremberg and Fraunhofer IIS, DE; SZTAKI, HU

WG3

- **58** people registered to the mailing list / **25** people on e-Cost platform
- **Kick-off** workshop (27th Jan. 2021, *virtual*, **23** participants)
 - **Objective:** Introduce people and topics of the Working Group
- Work session on **cataloguing Covid-19 datasets** (9th Sep. 2021, Amsterdam plenary/hybrid)
 - **Observation:** we need a clear set of metadata elements and tools for metadata generation
- **8** use cases identified in the *Use Cases and Requirements* deliverable
- **Metadata workshop**, with *WG1* (18th – 20th May 2022, Lyon, **32** participants)
 - **Output:** a core set of metadata properties for KGs; test usability of tools for metadata generation

WG4



- **Member count:** **33** on e-Cost platform / **83** subscribed to the mailing list
- **Kick-off** workshop (Feb. 3, 2021, *online*, **13** participants)
 - **Objectives:** Identify cross-cutting concerns relevant for both KG producers and KG consumers, as well as for prosumers, and identify challenges related to these concerns
 - **Outcome:** various concerns identified and four of them discussed in more detail (architectures, interoperability, discoverability, availability)
- **Subgroup** on security & privacy concerns
 - **Initial aim:** identifying concrete security & privacy issues and concerns in Solid
 - initial findings presented at the plenary in Amsterdam (Sep. 9, 2021)
 - position paper about the findings (2x submitted, working on a new submission as we speak)

WG4 cont'd



- **Workshop** "Privacy Issues in Distributed Social Knowledge Graphs" (PIDSKG) (June 13-15, 2022, *Luxembourg*, **32** on-site participants and **13** online)
 - **Objective:** explore the legal and cyber security aspects of privacy in the context of Distributed Social Knowledge Graphs, with Solid as an example
 - Day 1: Solid as a System, and Personal Identity
 - Day 2: Solid in Relation to Privacy Law & Government
 - Day 3: Solid Privacy as a Cyber Security Problem
- Contributions to the “Use Cases and Requirements” **deliverable**
 - **11 use cases**, covering topics as diverse as smart farming, smart cities, health intervention, healthcare risk governance, vaccination roll-out, personalized oncology, etc.