

Internet Standards Tracker rasprg IETF 118

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The Internet Standards Observatory (ISTO)

- The goal of the Internet Standards Observatory is to prevent Internet fragmentation.
- Identify standards proposals that could potentially challenge interoperability and significantly transform addressing, naming, networking and routing on the Internet.



Why Tracking Internet Standards?

- Important standards proposals currently under discussion that might shape the Internet of the future
 - Require more active engagement
- Barriers to engagement: time and resource intensive
 - Assistance identifying critical proposals
- SDOs are an opportunity to make the Internet better!
 - Encourage thorough discussions about how we want the Internet to evolve
 - Discuss Internet standards in the right fora



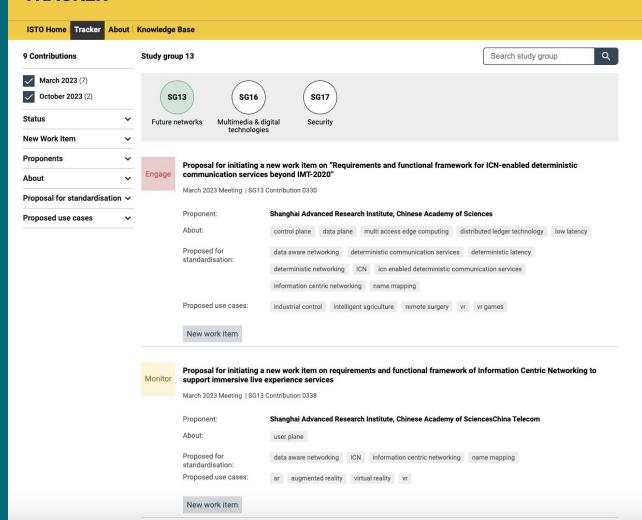
More on the Internet Standards Observatory (ISTO)

- Funded by ISOC Foundation and RIPE Community Fund
- What it offers
 - Standards Tracker(s)
 - Focus on standards under development: ITU-T (ready), IETF (in the works) and ETSI (up-next)
 - Knowledge Center
 - Academic Research
 - Blog articles

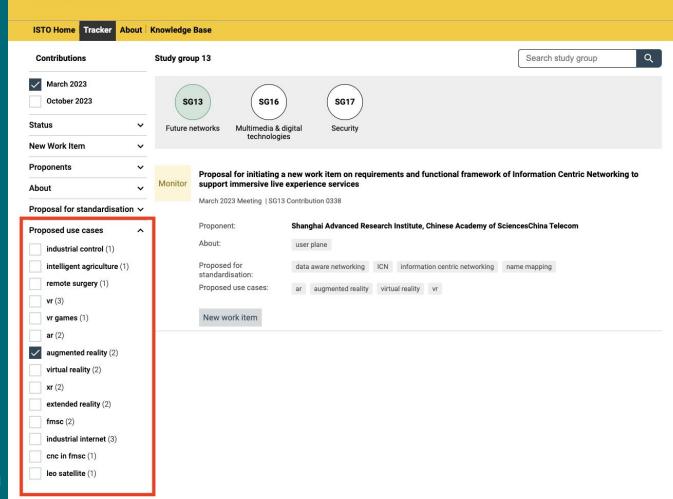


The Standards Tracker

TRACKER

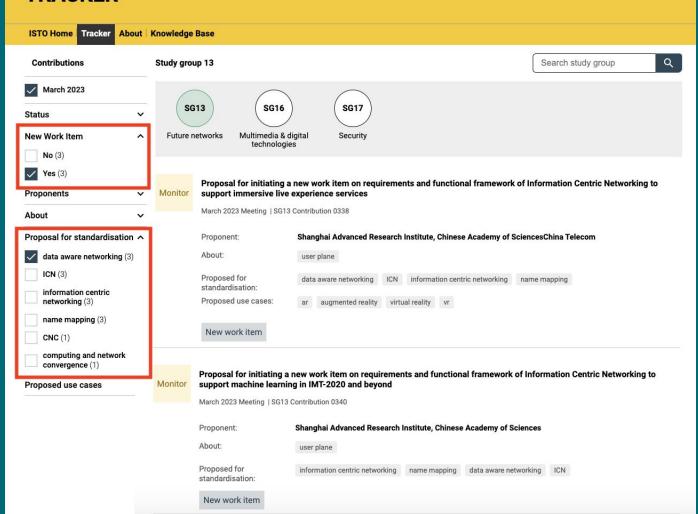


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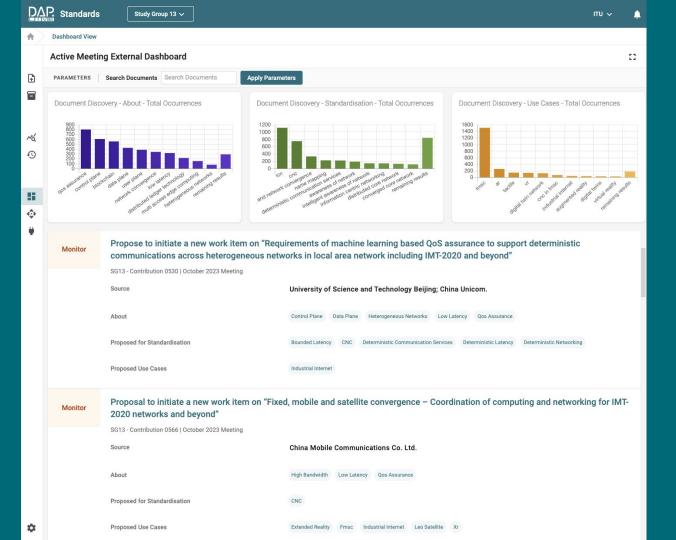
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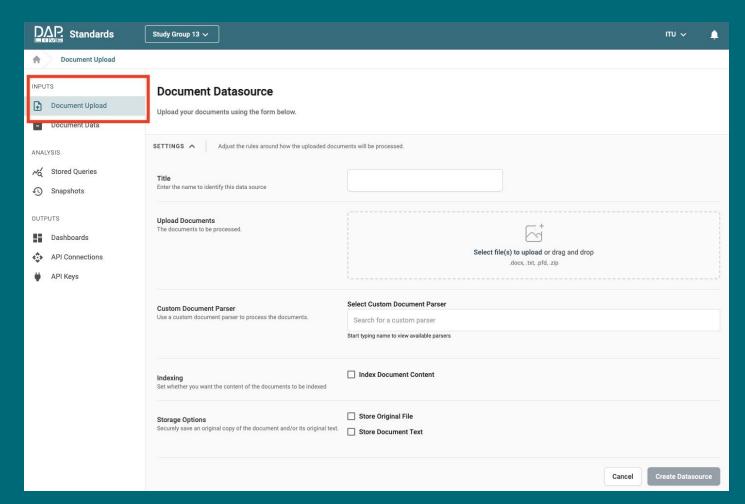
The Backend of the Standards Tracker

Dashboards



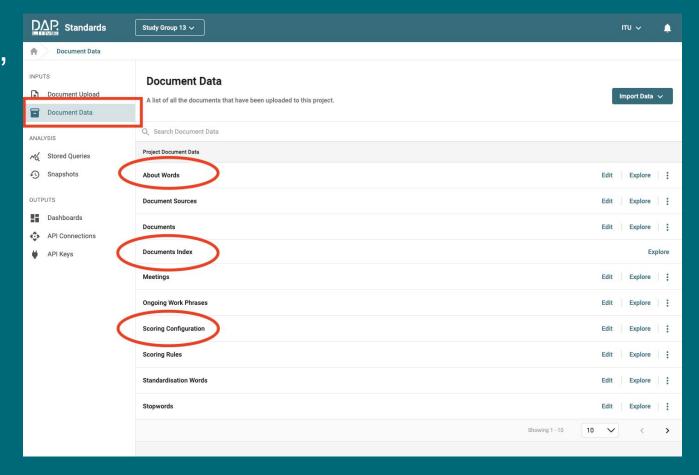


Document Input



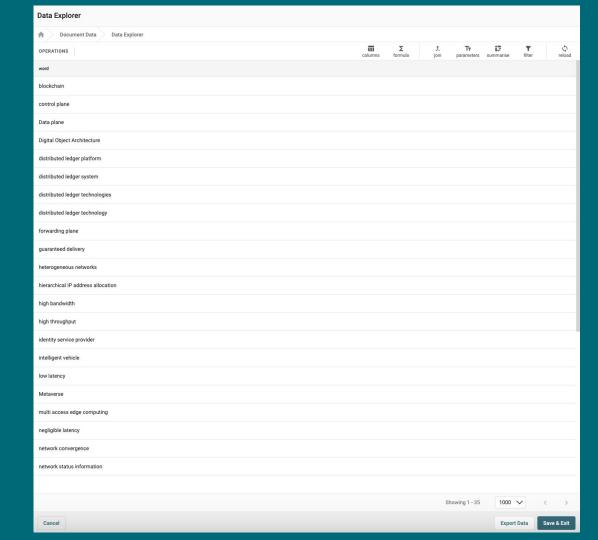


Dictionaries, Document Index, and Scoring





Dictionaries: About Words



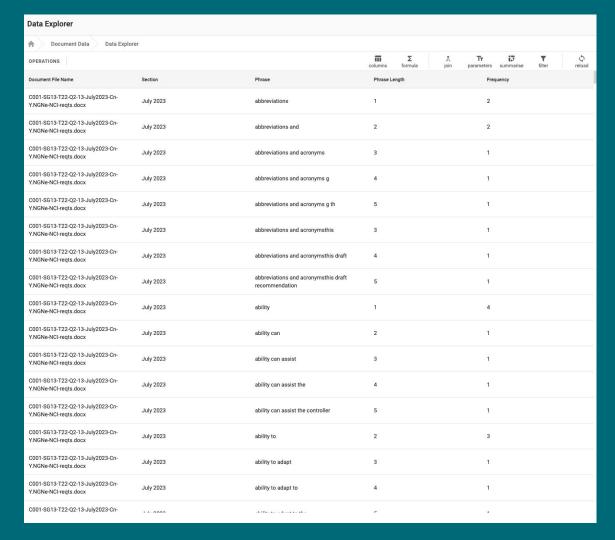


Scoring Configuration

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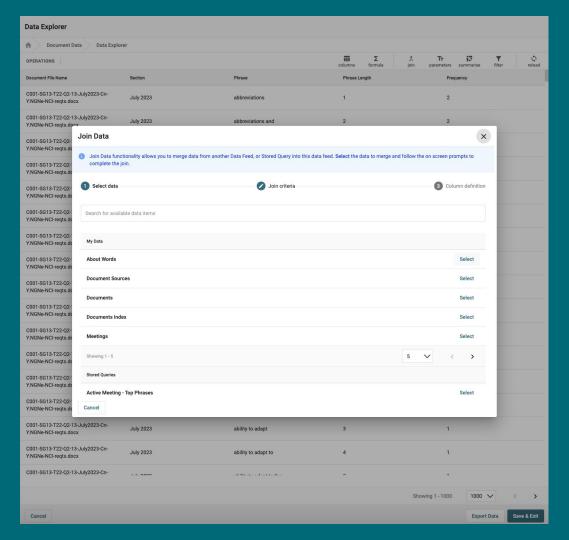
Document indexing





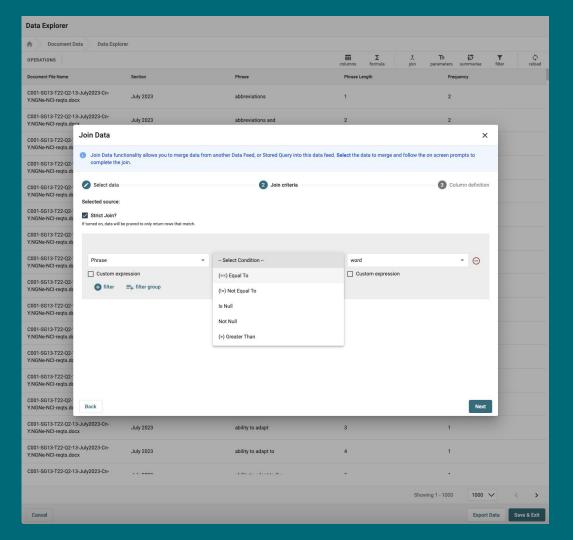
Joining datasets



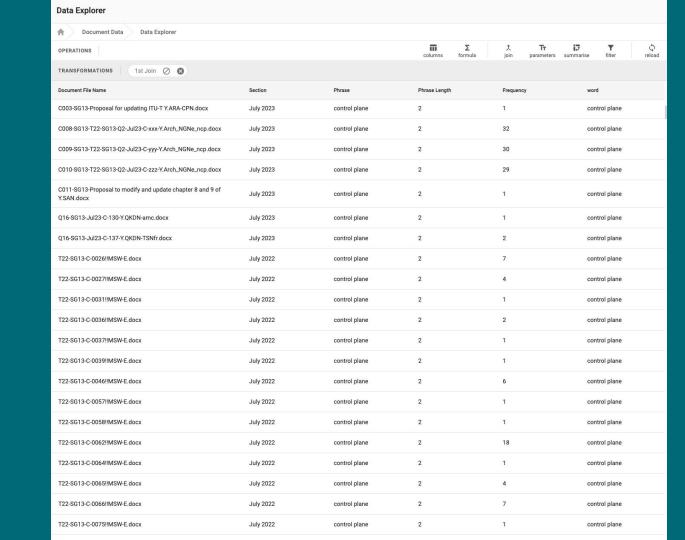


Joining datasets

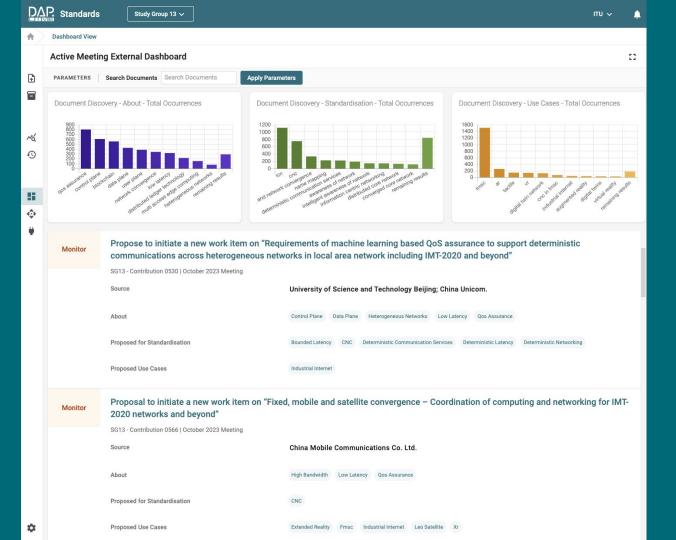




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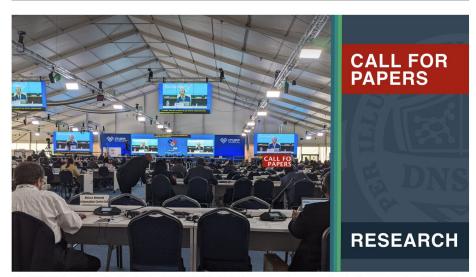
Dashboards





Resources - ISTO Knowledge Center (Research)

Call for Papers: Technical Standards for a Global Internet 28th June 2023 Research, Technical Standards







Resources - ISTO Knowledge Center (Research)

- "QUIC, or the battle that never was: a case of re-infrastructuring control over Internet traffic." Clement Peranaud & Francesca Musiani, Free University of Brussels (VUB) & French National Centre for Scientific Research (CNRS)
- "Opening Internet standardisation to political interventions." Roxana Radu, University of Oxford - Blavatnik School of Government
- "Enhancing Digital Governance in Africa: The Crucial Role of Standards
 Organizations in Shaping the Internet Landscape." Wale Bakare, Webfala Digital
 Skills for All Initiative
- "Understanding Internet Standardisation Processes through Longitudinal Data-driven Analysis." Ignacio Castro - Queen Mary University of London.
- "Corporate influence in Standards Bodies." Nick Merrill University of California, Berkeley
- "Internet Standards: Measuring the Impact of SDO Policies and Working Practices" Stephen McQuistin - University of St Andrews, UK
- "Role of Epistemic Communities in Setting Standards for Quantum Technologies."
 Yug Desai South Asian University.



Resources - ISTO Knowledge Center (Blog)

- **Centralization** are protocols part of the problem? Does it even matter?
- Standardizing the Future what's behind the drive to standardize technologies that don't exist yet?
- How to Predict the Future understanding how new and emerging technologies get standardized and competition between standards organizations
- Quantum: Neither Here Nor There the coming competition for standardization of quantum technologies on the Internet. Difference between research and standardization for quantum-related networking technologies.
- It Isn't Easy Being Green Can protocol development really influence climate change?
- I Wouldn't Join a Club That Would Have Me as a Member why is it so hard for normal people to participate in technical standards organizations?

