

Second International Workshop on Linked Data-driven Resilience Research 2023

Sebastian Tramp¹, Ricardo Usbeck², Natanael Arndt¹, Julia Holze³ and Sören Auer⁴

¹*eccenca GmbH, Hainstraße 8, 04109 Leipzig, Germany*

²*University of Hamburg, Mittelweg 177, 20148 Hamburg, Germany*

³*Institut für Angewandte Informatik e.V., Goedelerring 9, 04109 Leipzig, Germany*

⁴*Gottfried Wilhelm Leibniz University Hannover and Technische Informationsbibliothek (TIB), Welfengarten 1 B, 30167 Hannover, Germany*

Abstract

In the face of continuously changing contextual conditions and ubiquitous disruptive crisis events, the concept of resilience refers to some of the most urgent, challenging, and interesting issues of nowadays society. Economic value networks, technical infrastructures, health systems, and social textures alike need to unfold capacities to withstand, adapt, recover, or even refine and transform themselves to stay ahead of changes.

Keywords

Crisis Information, Resilience, Knowledge Graphs, Linked Data, Semantic Web, CoyPu

The D2R2'23 workshop (<https://d2r2.aksw.org/>), which is organized by the CoyPu project (<https://coypu.org/>), provides an open forum to exchange current issues, ideas, and trends in the area of Data-driven Resilience Research among scientists, software engineers, resilience practitioners, and domain experts. Ongoing technological developments, current research approaches as well as use case scenarios, and field reports are presented and discussed with a broad and multi-disciplinary specialist audience. We have received contributions of novel results, ongoing work, and position papers focusing on various aspects of Data-driven Resilience Research from a scientific or practical perspective.

The workshop is held during the Extended Semantic Web Conference (ESWC) in Crete, Greece. The co-location of the workshop with ESWC allows a wide exchange among the community of Semantic Web experts, data scientists, knowledge engineers, and further interested parties.

For the workshop, we received a total of 11 contributions, out of which 7 were selected to be included in the proceedings. These are 6 full papers and 1 short paper.

The D2R2 workshop's first issue [1] was held at the Data Week Leipzig 2022.

Second International Workshop on Linked Data-driven Resilience Research (D2R2'23) co-located with ESWC 2023, May 28th, 2023, Hersonissos, Greece

✉ sebastian.tramp@eccenca.com (S. Tramp); ricardo.usbeck@uni-hamburg.de (R. Usbeck);

natanael.arndt@eccenca.com (N. Arndt); holze@infai.org (J. Holze); auer@tib.eu (S. Auer)

🌐 <http://aksw.org/SebastianTramp> (S. Tramp); <http://aksw.org/RicardoUsbeck> (R. Usbeck);

<http://aksw.org/NatanaelArndt> (N. Arndt); <http://aksw.org/JuliaHolze> (J. Holze); <http://aksw.org/SoerenAuer>

(S. Auer)

🆔 0000-0003-4707-2864 (S. Tramp); 0000-0002-0191-7211 (R. Usbeck); 0000-0002-8130-8677 (N. Arndt);

0000-0002-0698-2864 (S. Auer)



© 2023 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).



CEUR Workshop Proceedings (CEUR-WS.org)

Program Committee

- Allard Oelen, Technische Informationsbibliothek (TIB)
- Angelie Kraft, University of Hamburg
- Antonin Delpeuch, Institute for Applied Informatics
- Cedric Möller, University of Hamburg
- Edgard Marx, Senior Linked Data Expert, eccenca GmbH and HTWK Leipzig
- Eva Hoerster, Senior Data Scientist, DATEV eG
- Felix Engel, Technische Informationsbibliothek (TIB)
- Julia Gastinger, NEC Laboratories Europe and University of Mannheim
- Junbo Huang, University of Hamburg
- Lars-Peter Meyer, Institute for Applied Informatics
- Magnus Knuth, Senior Linked Data Expert, eccenca GmbH
- Maria-Esther Vidal, Technische Informationsbibliothek (TIB)
- Marvin Hofer, Leipzig University
- Michael Martin, Head of Competence Center, Institute for Applied Informatics
- Natanael Arndt, Senior Linked Data Expert, eccenca GmbH
- Nenad Krdavac, Technische Informationsbibliothek (TIB)
- Norman Radtke, Institute for Applied Informatics
- Patrick Westphal, University of Hamburg
- Ricardo Usbeck, University of Hamburg
- Sabine Gründer-Fahrer, Institute for Applied Informatics
- Sebastian Tramp, CTO, eccenca GmbH
- Simon Bin, Institute for Applied Informatics
- Sören Auer, Gottfried Wilhelm Leibniz University Hannover and Technische Informationsbibliothek (TIB)

Acknowledgments

We want to thank all contributors and the whole program committee for their work. This work has been supported by the German Federal Ministry for Economic Affairs and Climate Action (BMWK) as part of the project CoyPu under grant number 01MK21007[A-L].

References

- [1] N. Arndt, S. Gründer-Fahrer, J. Holze, M. Martin, S. Tramp (Eds.), Proceedings of the International Workshop on Data-driven Resilience Research, Data Week Leipzig 2022, number 3376 in CEUR Workshop Proceedings, Aachen, 2022. URL: <https://ceur-ws.org/Vol-3376>.