

Zoommeeting Digitization Board 7.7.2022, 8:30-9:15

KHuK, Jan Steinheimer, Tobias Stockmanns, KET, Günter Quast, KFN Tobias Richter, KFSI, Judith Reindl, KAT, Andreas Haungs, KFS, KfB, Erik Bründermann, RDS, FI, Marcus Demleitner, BDA, RDM, Monica Valencia-Schneider, UI, Pierre Schnizer, Tim Ruhe, KD, Katrin Link, RPB, Achim Streit, ErUM-Data-Hub, Peter Fackeldey (Gast), Angela Warkentin (Gast), SP, Martin Erdmann

ErUM-Data responsibility at PT.DESY

At PT.DESY, [Dr. Marvin Berlinghof](#) has taken over the responsibility for ErUM-Data from Dr. Wolfgang Ehrenfeld. His replacement is [Dr. Salome Shokri-Kuehni](#). The Digitization Board will invite both of them after the summer vacations for personal introductions and first exchanges, and then again whenever topical questions arise.

Preparations for DIG-UM Overview Board 7.7.22, 17:00

Topic Group Messages: The following short statements on the current activities of the Topic Groups were transmitted to the Overview Board meeting:

- **Federated-Infrastructure:** White paper on needs of the 8 ErUM communities regarding federated digital infrastructures close to finalization
- **Big-Data-Analytics:** Large survey of needs is being evaluated (~40 responses), planning expert workshop „Conceptual Advances in Deep Learning for ErUM Research”
- **Research-Data-Management:** Preparations for ErUM-Data call for proposals "Research Data Management", exchange with NFDI 5.4.22, in planning: ErUM-Data - NFDI meeting 26.9.22
- **User-Interface:** Planning for Workshop on Future Perspective „Next Generation Environment for Interoperable Data Analysis“
- **Knowledge-Distribution:** Deep Learning: 2 train-the-trainer workshops accomplished (videos), in preparation 2 schools, 1 expert workshop.

Sustainability: The Overview Board will be asking on sustainability in computing. The increasing relevance is obvious as energy consumption is emerging as a key issue in computing. Thoughts of the Resource Provider Board and the Topic Groups address:

- **Resource Provider Board:** How can large IT infrastructures be operated in an energy-efficient and sustainable manner?
- **Topic Group Federated Infrastructures:** What future-oriented concepts exist in the area of federated digital infrastructures and what approaches are being sensibly pursued in the area of ErUM? Long-lasting data, steering software?
- **Topic Group Big Data Analytics:** For a qualification as energy-efficient algorithms, metrics are needed. What metrics exist, what concepts contribute to energy efficiency, and what is being implemented in ErUM? Lifetime of the software?
- **Topic Group Research Data Management:** Concepts for the long-term durability of data and digital objects? Formats for efficient access to large, complex data volumes (energy-efficient, user-friendly).

Annual Meeting of the ErUM-Communities: the Digitization Board suggests a hybrid meeting with gathertown as fallback solution.

Challenge of Information Distribution

Information on the summer schools and workshops of the DIG-UM/ErUM-Data-Hub is distributed to the owners of the ErUM-committee email lists who will be passing on this information. We are looking for a more direct way to reach those people who are interested in the event themselves. The suggestion arises to write to the chairs of DFG research training groups and Helmholtz academies.

Open issue:

Will the common meeting of ErUM-Data with NFDI in view of an upcoming BMBF call on research data management happen on 26.9.22?

Future monthly meetings (slightly shifted)

- Next Meeting 21-July-2022, 8:30-9:30 **Topic Groups**
 - Next Meeting 18-Aug-2022, 8:30-9:30 **Digitization Board**
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Messages arising from the Overview Board 7.7.22, 17:00

The complete Overview Board minutes will follow. Here we note messages of special relevance to the Digitization Board and Topic Boards:

The Annual Meeting of the ErUM-Communities will be held as a virtual meeting, a date will be found for week 50 in 2022. The exact date will be found by a scheduling survey, the time should be 17:00 to avoid interference with teaching.

Elections: the spokesperson and all topic group chairs were appointed for 1 year's mandate. For all positions, nominations are requested such that elections can be performed on time. Note that re-elections are possible:

- For the **topic group chairs and deputies** please hand-in nominations to the spokesperson Martin Erdmann.
 - For the **spokesperson** hand-in nominations to the chair of the Overview Board Uli Katz.
- Kay Graf from Erlangen has setup a suitable online election tool.

From the Guidelines of DIG-UM

- **Topic Group Chairs & Deputies:** The ErUM groups working within the Topic Groups are invited to propose suitable chairpersons to the Digitization Board. After pre-selection by the Digitization Board, the chairpersons and their deputies will be appointed by the Overview Board for a period of 2 years.
- **Spokesperson:** The mandate is granted by an election procedure for 2 years, re-election is possible. In order to ensure a quick build-up of DIG-UM, a Spokesperson for the 1-year founding phase of DIG-UM is appointed by the Overview Board. From the following phase on, the Spokesperson will be sought by a selection committee of the Overview Board and elected by the annual meeting.

The Overview Board underlines the importance of the questions on **sustainability in computing** and encourages the Resource Provider Board and the Topic Groups to work on the open issues mentioned above.

The Overview Board mentioned the problem that too many **acronyms** are around and not many colleagues are familiar with ErUM, ErUM-Data, ErUM-Data-Hub, DIG-UM. Emails to the communities on workshops, schools should get a tag generally understandable such as "big data" or similar.

The **survey** of the Big Data Analytics group: is the number of answers by KFS, KFN members representative? Or do they need to re-cast the survey?

The **white paper of needs in federated infrastructures** should be given to Markus Schumacher at an early stage, he is willing to comment.