

DIG-UM

Topic Group:

Big Data Analytics

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PUNCH TA3 Meeting

DIG-UM

DIGITAL TRANSFORMATION IN THE
RESEARCH ON UNIVERSE AND MATTER

Context

ErUM Community meets DIG-UM

DIGITAL TRANSFORMATION IN THE RESEARCH ON UNIVERSE AND MATTER

20th of January 2022 online from 14:00 - 17:00

Celebrate new DIG-UM organization.

Bring together interested scientists on topics:

- Federated Infrastructures
- Big Data Analytics
- Research Data
- Scientists Working Environment
- Knowledge Distribution

You want to join?
<https://indico.desy.de/event/32315>

Main Hall
User Interface

Research Data Ma
Big Data Analytic
Federated Infrast

Organization: DIG-UM Digitization Board, Chair Prof. Dr. Martin Erdmann (RWTH Aachen University)

See <https://indico.desy.de/event/32315/> for the full event

DIG-UM: Digital Transformation in the Research on Universe and Matter

Organization DIG-UM

Overview Board (OB) 8 ErUM Committee Chairs, 1 Resource Provider Board Chair, 1 Spokesperson, 1 BMBF Representative, 1 PT-DESY Representative					
Coordination	Spokesperson / 5 Co-spokespersons	Digitization Board (DB) 1 Spokesperson, 5 Co-spokespersons, 8 Experts from ErUM committees, 1 Resource Provider Representative	Resource Provider Board (RB) 10 Resource Provider Representatives		
	Annual Conference of the ErUM-Data Working Groups				
Topic Groups	Federated Infrastructures Coordinators, Experts <i>Compute power</i> <i>Utilization</i> <i>Workflows</i> ...	Big Data Analytics Coordinators, Experts <i>Algorithms</i> <i>Autonomization</i> <i>Control & Preservation</i> ...	Research Data Coordinators, Experts <i>Data models</i> <i>Management</i> <i>Curation</i> ...	User Interface Coordinators, Experts <i>Scientists' questions</i> <i>Developers' work</i> <i>User support</i> ...	Knowledge Distribution Coordinators, Experts <i>Workshops</i> <i>Schools</i> ...

What is Big Data Analytics?

The development, support and use of data analysis and algorithms, including AI.

Compute and storage hardware are covered in *Federated Infrastructures*, while the data itself is discussed in *Research Data*.

Topics

Q: About which data analysis techniques would you like to learn more?

Q: Which support topics are important on a national level? How to deal with legacy code? Distributions of algorithms? Licences?

Q: What should be the role of AI for your research?
What is necessary to get there

Next Steps

Next Steps

- Connect researchers active e.g. in open ErUM-Data call on “Software and Algorithms” (and of course PUNCH!)
 - Consider adding your project to:
<https://desycloud.desy.de/index.php/s/4si4HedjTSEB9Pf>
- Topical cross-disciplinary workshops
- Education on key topics - both technical/scientific and legal/support

How to connect

Unique opportunity to shape the future of scientific data analysis in our field

Join the mailing list! erum-data-big-data-analytics@lists.rwth-aachen.de

→ Send email to
erum-data-big-data-analytics-request@lists.rwth-aachen.de
Subject: subscribe
Body: empty



Andrea Thorn (UHH)



Gregor Kasieczka (UHH)