# DIG-UM

Thomas Kuhr

25.11.2025



#### What is DIG-UM?

#### <u>Digital Transformation in the Research on Universe and Matter</u>

- It is a community organization
- Organization of and for you!
- Goal: Implementation of objectives defined in community white paper



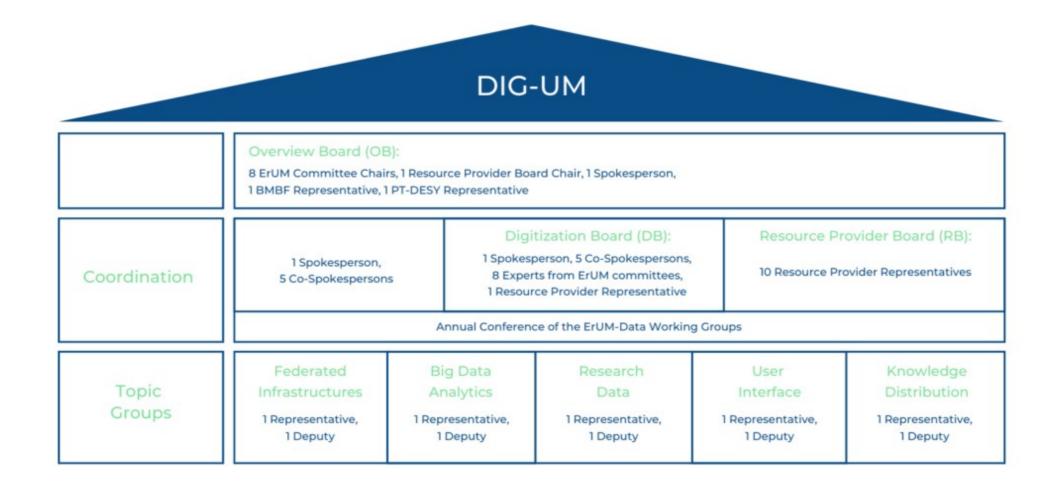


The foundation and driving force behind the joint work is the continuously evolving vision that modern digitization will substantially accelerate progress in ErUM basic research. Digitization is a means to an end.

→ https://erumdatahub.de/dig-um/



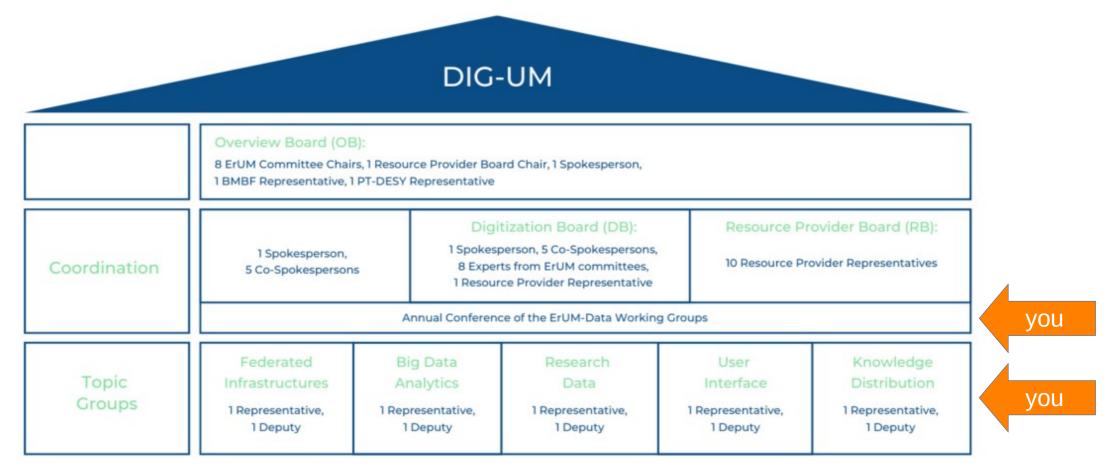
#### DIG-UM Organization





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### **DIG-UM Organization**

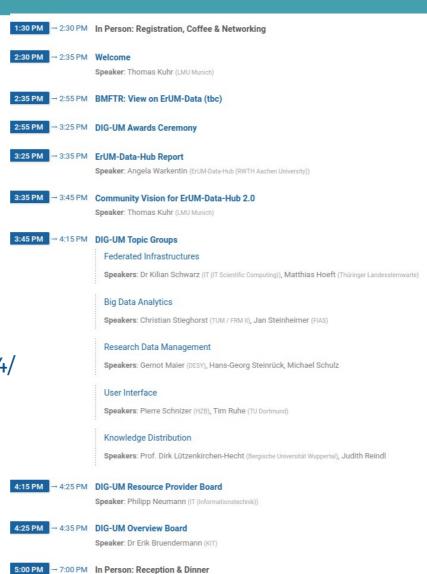




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### DIG-UM Annual Meeting on December 4th

- Online and in-person in Aachen
- Open to everybody
- https://indico.desy.de/event/47414/





(computer science, big data, Al. ...) you are automatically part of

#### DIG-UM Topic Groups

- Federated Infrastructures
- Big Data Analytics

next meeting on 15.1.

- Research Data Management
- User Interfaces

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Knowledge Distribution







Kilian Schwarz (KET) Matthias Hoeft (RdS)





Jan Steinheimer (KHuK) Christian Stieghorst (KFN)







Hans-Goerg Steinrück (KFS) Gernot Maier (KAT) Michael Schulz (KFN)





Pierre Schnizer (KfB) Tim Ruhe (KAT)





Judith Reindl (KFSI)

Dirk Lützenkirchen
Hecht (KFS)

DIG-UM

23.01,2024

## DIG-UM Digitization Board

Committee		Representative	Deputy
Forschung mit Synchrotronstrahlung	KFS	Dirk Lützenkirchen-Hecht	Bridget Murphy
Rat Deutscher Sternwarten	RDS	Marcus Brüggen	Tobias Buck
Hadronen- und Kernphysik	KHuK	Tobias Stockmanns	Sören Lange
Elementarteilchenphysik	KET	Jan Kieseler	Gregor Kasieczka
Forschung mit Neutronen	KFN	Michael Schulz	Andreas Houben
Astroteilchenphysik	KAT	Andreas Haungs	
Beschleunigerphysik	KfB	Erik Bründermann	
Forschung mit nuklearen Sonden & Ionenstrahlen	KFSI	Judith Reindl	
Spokesperson		Thomas Kuhr (Spokesperson)	
Topic Group Federated Infrastructure		Kilian Schwarz*	Matthias Hoeft
<b>Topic Group Big Data Analytics</b>		Jan Steinheimer*	Christian Stieghorst
Topic Group Research Data Management		Hans-Georg Steinrück*	Gernot Maier,
			Michael Schulz
<b>Topic Group User Interface</b>		Pierre Schnizer*	Tim Ruhe
<b>Topic Group Knowledge Distribution</b>		Judith Reindl*	Dirk Lützenkirchen-Hecht
Representative Resource Provider Board		Philipp Neumann	Arman Khalatyan
ErUM-Data-Hub (Guest)		Martin Erdmann, Angela Warkentin,	Benjamin Fischer
EuCAIF (Guest)		Johan Messchendorp	Tilman Plehn

<sup>\*</sup>Deputy Spokesperson

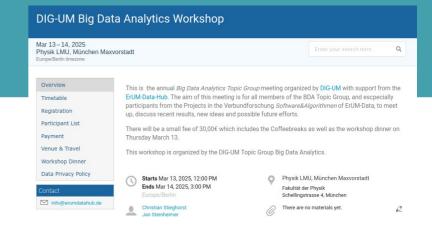
Minutes of monthly meetings: https://wiki.erumdatahub.de/bin/view/DIG-UM/Boards/Digitization%20Board/



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# DIG-UM Strategic Activities

- Development of and input to strategies
- Workshops of Topic Groups
- Close collaboration with ErUM-Data Hub
- Contact to national (DAPHNE, PUNCH) and international initiatives (EuCAIF)
- Support letters
- DIG-UM Awards
- Community representation at BMFTR strategy meeting for preparation of next ErUM-Data call









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#### Summary

- DIG-UM is a community organization
- Your active participation is very welcome
- Subscribe to Topic Group mailing lists
   (and use the lists to share information that is of interest to the Topic Groups)
- Participate in Topic Group meetings and workshops
- Shape the Digital Future of ErUM Research

