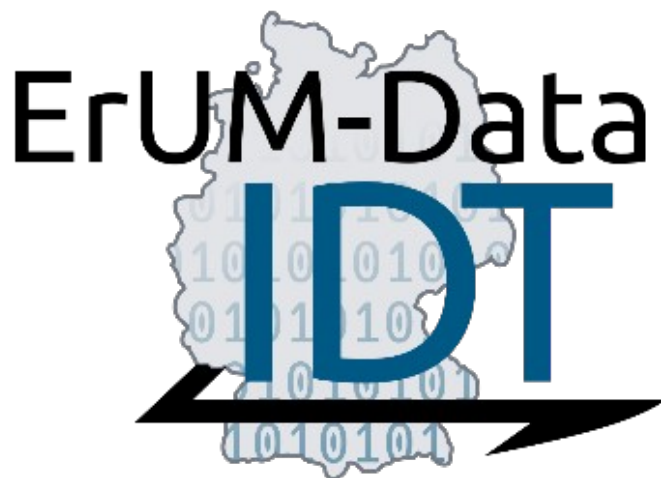


# Collaboration Meeting

of the BMBF Verbundprojekt

Innovative Digitale Technologien  
für die Erforschung  
von Universum und Materie



30.09.2019  
Karlsruhe

Thomas Kuhr  
LMU München



Bundesministerium  
für Bildung  
und Forschung



# 1<sup>st</sup> Anniversary

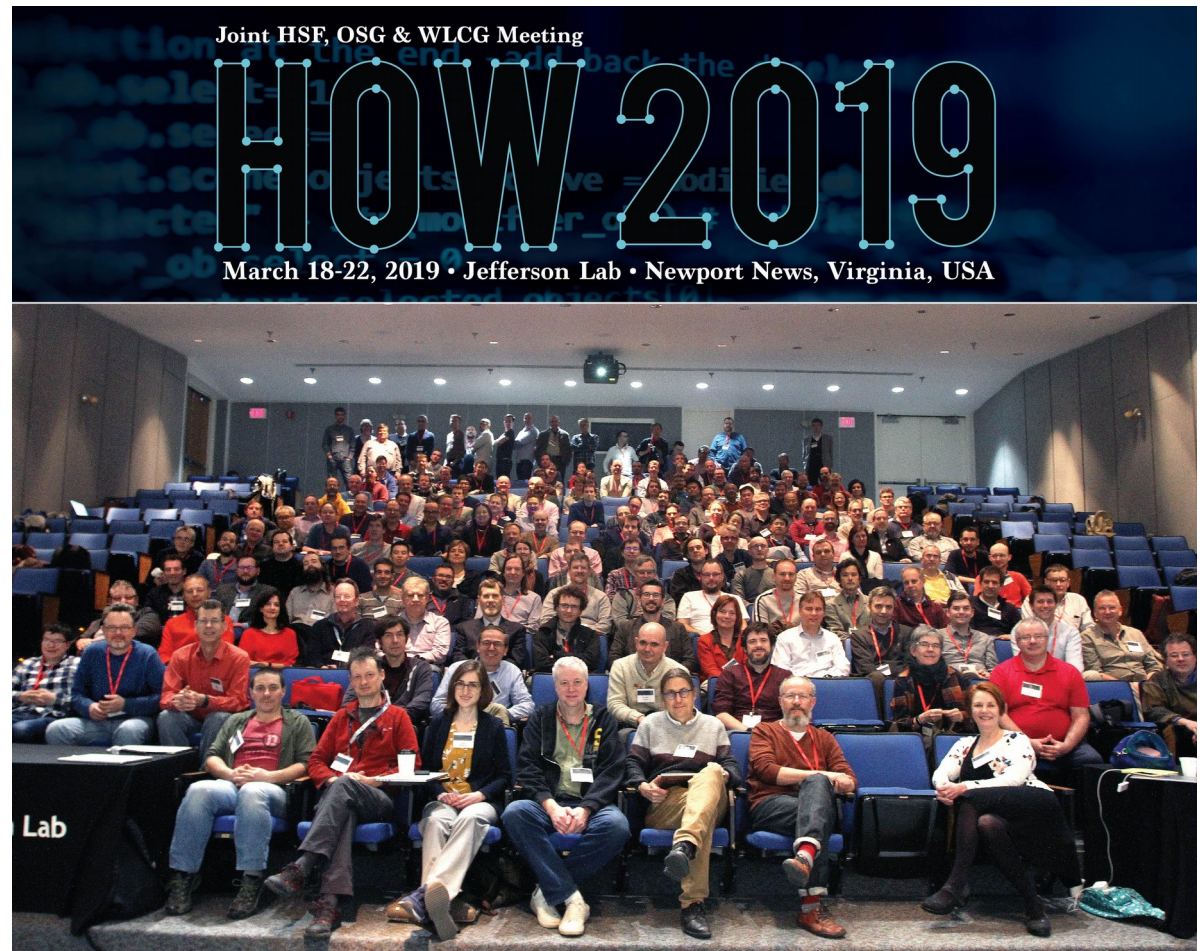
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# Visibility?

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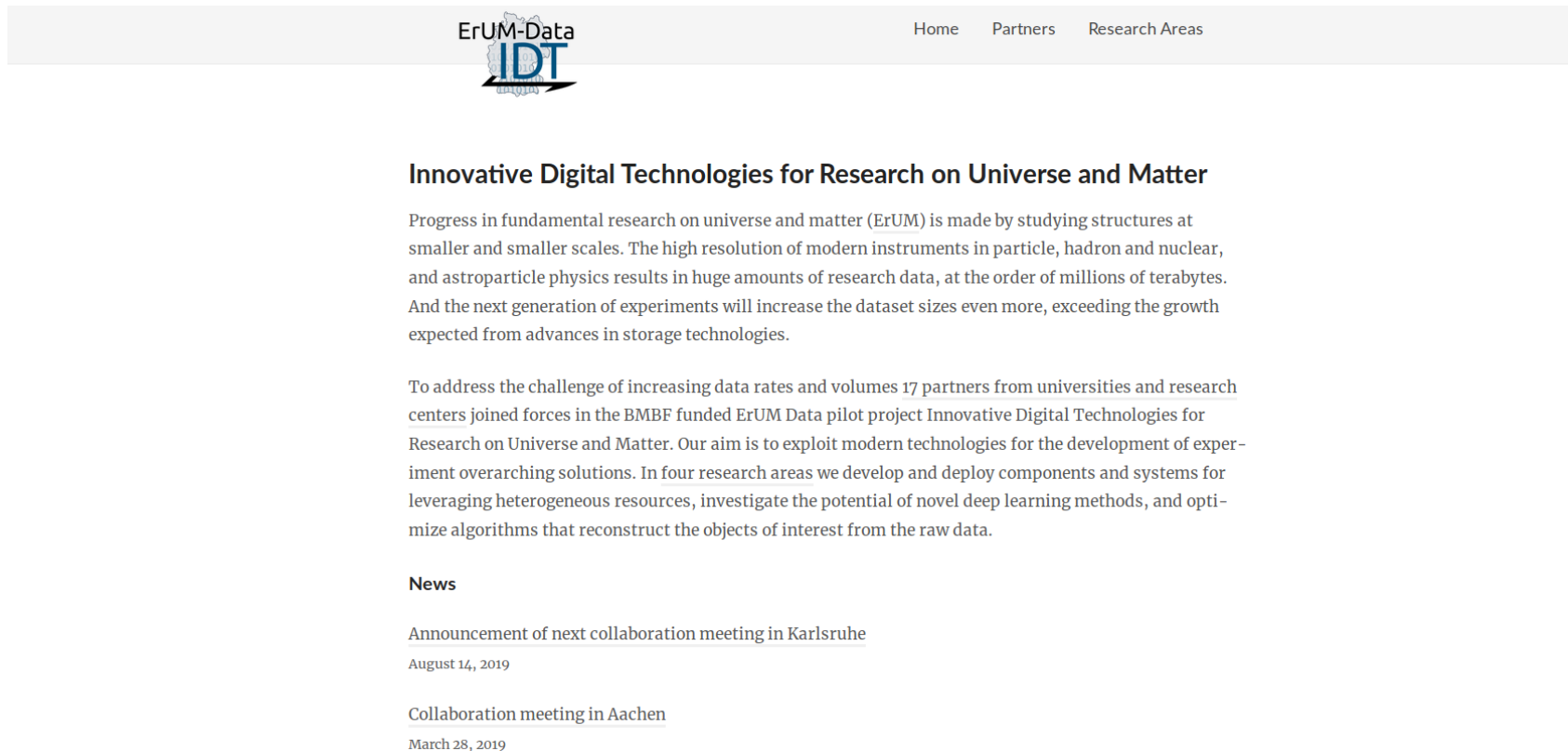
- HSF/OSG/WLCG Workshop at Jefferson Lab in March
  - CHEP Conference?
  - HSF/WLCG pre-meeting?
- Collect the contributions on the web page?



# Web Page

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- <https://www.erum-data-idt.de/>



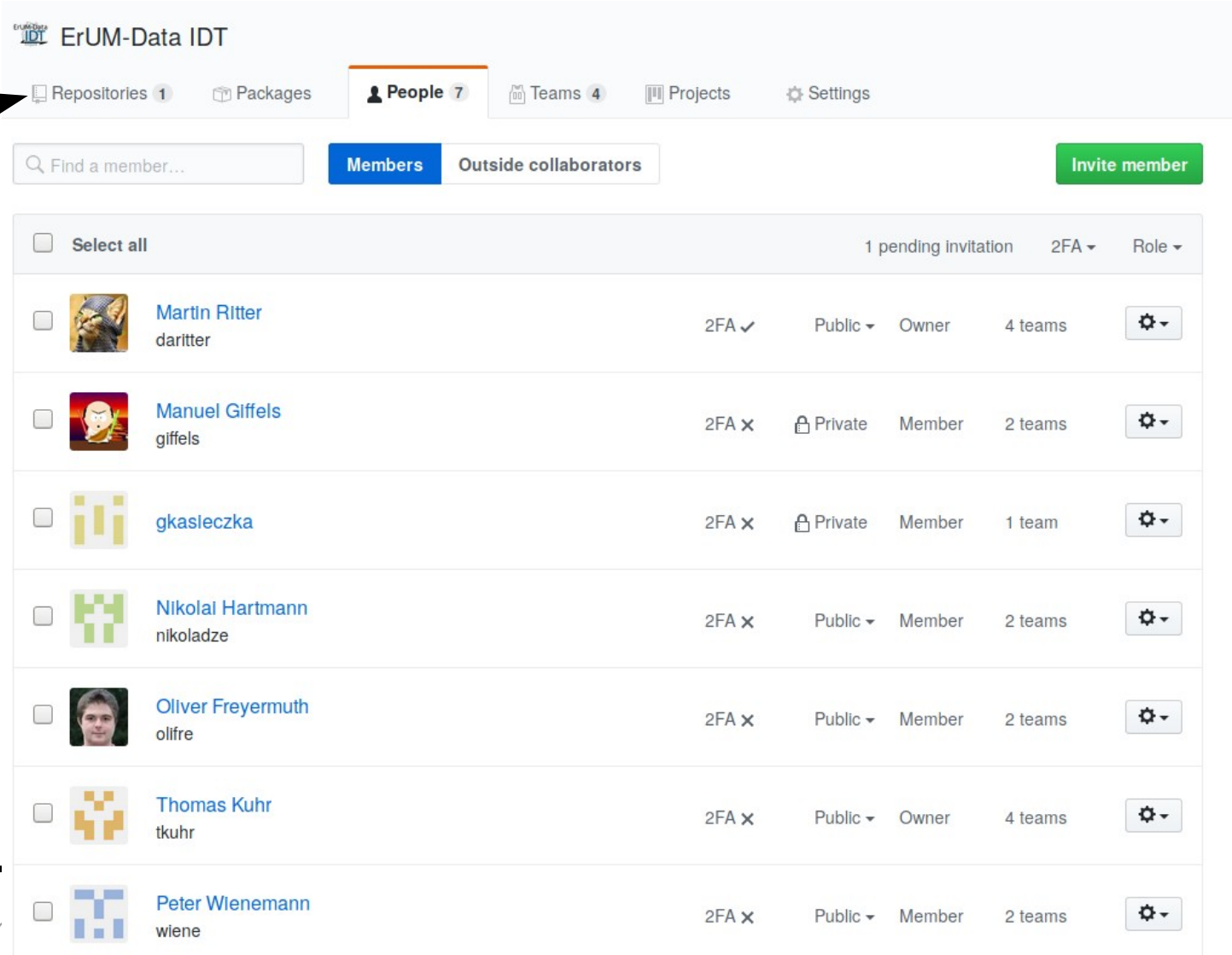
The screenshot shows the homepage of the ErUM-Data IDT website. At the top left is the logo for ErUM-Data IDT, which includes the text 'ErUM-Data' and 'IDT' with a stylized 'U' and 'D' and a blue arrow pointing right. To the right of the logo are navigation links: 'Home', 'Partners', and 'Research Areas'. Below the navigation is a main heading: 'Innovative Digital Technologies for Research on Universe and Matter'. Underneath this heading is a paragraph of text: 'Progress in fundamental research on universe and matter (ErUM) is made by studying structures at smaller and smaller scales. The high resolution of modern instruments in particle, hadron and nuclear, and astroparticle physics results in huge amounts of research data, at the order of millions of terabytes. And the next generation of experiments will increase the dataset sizes even more, exceeding the growth expected from advances in storage technologies.' Below this paragraph is another paragraph: 'To address the challenge of increasing data rates and volumes 17 partners from universities and research centers joined forces in the BMBF funded ErUM Data pilot project Innovative Digital Technologies for Research on Universe and Matter. Our aim is to exploit modern technologies for the development of experiment overarching solutions. In four research areas we develop and deploy components and systems for leveraging heterogeneous resources, investigate the potential of novel deep learning methods, and optimize algorithms that reconstruct the objects of interest from the raw data.' Below this is a 'News' section with two entries: 'Announcement of next collaboration meeting in Karlsruhe' dated 'August 14, 2019' and 'Collaboration meeting in Aachen' dated 'March 28, 2019'.

- **Partners and research area coordinators:  
Please check/provide content!**

# Code Repository

→ erum-data-idt organization on github

web  
page  
code



The screenshot shows the GitHub organization page for 'ErUM-Data IDT'. The 'People' tab is selected, displaying a list of 7 members. The 'Repositories' tab is highlighted with an arrow and the text 'web page code'. The members list includes:

Select	Name	Username	2FA	Visibility	Role	Teams	Actions
<input type="checkbox"/>	Martin Ritter	daritter	2FA ✓	Public	Owner	4 teams	Settings
<input type="checkbox"/>	Manuel Giffels	giffels	2FA ✗	Private	Member	2 teams	Settings
<input type="checkbox"/>	gkasieczka		2FA ✗	Private	Member	1 team	Settings
<input type="checkbox"/>	Nikolai Hartmann	nikoladze	2FA ✗	Public	Member	2 teams	Settings
<input type="checkbox"/>	Oliver Freyermuth	olifre	2FA ✗	Public	Member	2 teams	Settings
<input type="checkbox"/>	Thomas Kuhr	tkuhr	2FA ✗	Public	Owner	4 teams	Settings
<input type="checkbox"/>	Peter Wienemann	wiene	2FA ✗	Public	Member	2 teams	Settings

# Further Collaborative Services

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## Mailing lists

- Everybody: [computing-verbund@lists.lrz.de](mailto:computing-verbund@lists.lrz.de)
- Topic area specific: [computing-verbund-a/b/c/d@lrz.de](mailto:computing-verbund-a/b/c/d@lrz.de)
- PIs: [computing-verbund-pis@lists.lrz.de](mailto:computing-verbund-pis@lists.lrz.de)

## Indico

- <https://indico.physik.uni-muenchen.de/category/5/>

## Remote meetings

- DFNconf: <https://www.conf.dfn.de/>

# Meetings

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## Collaboration Meetings

- Twice per year
- Next at DPG conference in Bonn (hadrons+particles), 29.03. - 03.04.2020?

## (Working) meetings of subject areas

- Face-to-face meetings/workshops?
- Regular remote meetings?

## Coordinators meetings?

# Further Topics

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- Applications of Bonn and Mainz
- ErUM-Data funding line
- Relations to others: PAHN-PaN, Astro
- First intermediate report due in April
  - Suggest to start with general part in February
  - Your input will be required

