

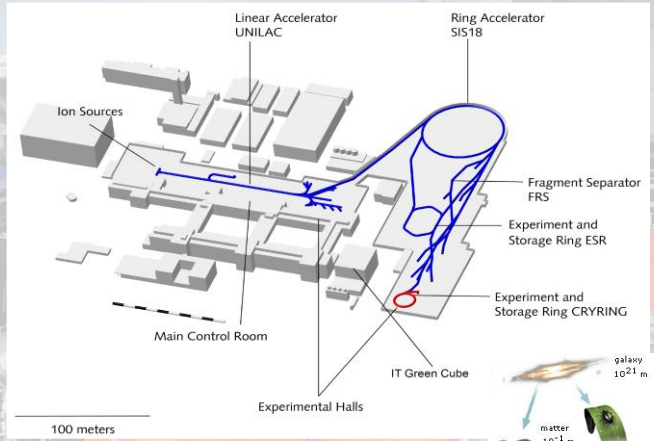


**GSI/FAIR Open Science
Workshop 2023
Welcome**

19.10.23

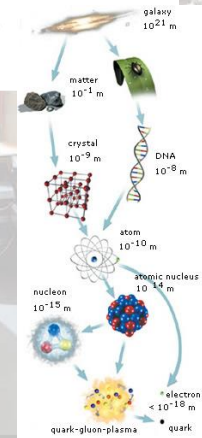
Darmstadt, Germany: Heavy-ion accelerator laboratory: 1350+ employees + 700 external users

Who we are	<p>Founded in 1969</p> <p>Elements H to U can be accelerated</p>
Past Successes	<p>Discovery of six new elements, many exotic nuclei</p> <p>Development of a new cancer treatment</p>
Future	<p>First stage injector for the FAIR facility</p> <p>Experiments + studies continuing</p>



Research of interest:

- Accelerator Physics**
- Detector Development**
- Atomic Physics**
- Nuclear and particle Physics**
- Plasma Physics**
- Biophysics**
- Materials Research**
- High-Performance Computing**
- Theoretical Physics**



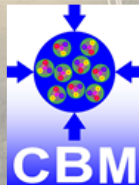
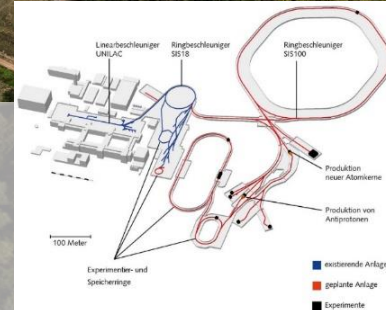
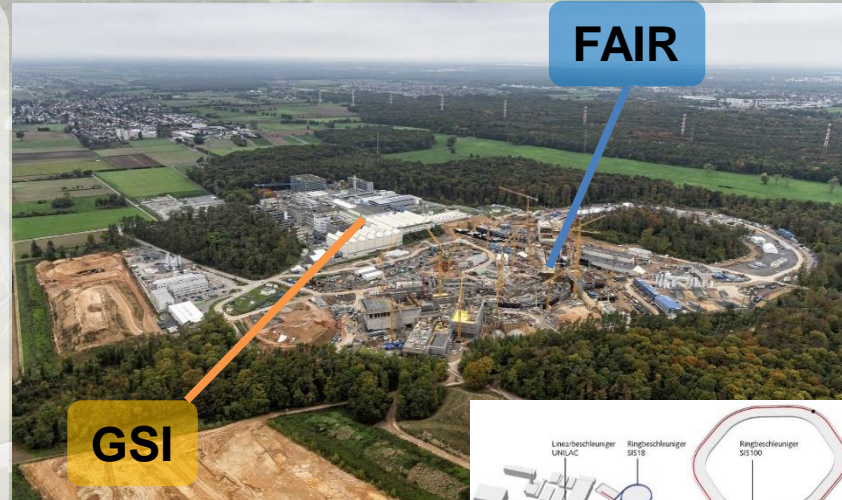
FAIR - Facility for Antiproton and Ion Research

New accelerator facility



Top priority for European Nuclear Physics Community ■ International: 50 countries, 3000 researchers ■ Diverse community from atomic to particle physics

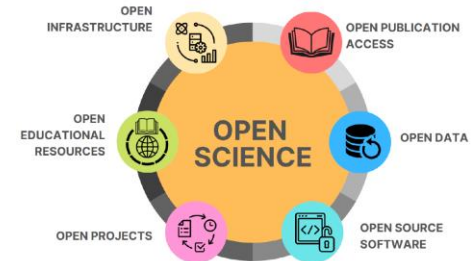
- **‘FAIR goes F.A.I.R.’**: commitment to open science
- Towards the next generation “data challenge” Volume, Velocity, Veracity, Variety, and Complexity!
- **~TB/s data rates**, online processing, 105 -106 cores
- **Distributed computing** with a large user community
- **Data preservation** and accessibility key to success
- **HPC Green cube expansion**










- Build on the 2022 Research Data Management workshop <https://indico.gsi.de/event/14680/>
- Inform researchers on current Open Science developments and future plans
- Receive feedback and comments, open discussion

What we want to address:

- What is Open Science?
- How does GSI/FAIR support and develop Open Science Practices?
- How can I apply Open Science Practices to my Research?
- How can I benefit from Open Science?
- What external Open Science projects and initiatives are ongoing?
- Where can I get further information or who can I contact?



THURSDAY, 19 OCTOBER		
1:00 PM → 1:35 PM	Session 1: Welcome and Introduction to Open Science	
	Convener: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:00 PM	Welcome and Introduction	🕒 5m 
	Speaker: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:05 PM	Welcome from the Scientific Management	🕒 10m 
	Speaker: Prof. Paolo Giubellino (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:15 PM	Open Science at GSI/FAIR: Introduction	🕒 20m 
	Speaker: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:35 PM → 2:15 PM	Session 2: Open Access Publications	
	Convener: Dr Yvonne Leifels (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:35 PM	Open Access Publications at GSI	🕒 20m 
	Speaker: Katrin Große (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
1:55 PM	JOIN^a Publication Repositories with MyCoRe	🕒 20m 
	Speaker: Valentin Schulte (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	
2:15 PM → 2:30 PM	Coffee Break	🕒 15m

Day 1 Schedule

2:15 PM → 2:30 PM	Coffee Break	🕒 15m
2:30 PM → 2:50 PM	Session 3: Helmholtz and Open Science Convener: Dr Oxana Ivanova (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🗒
2:30 PM	Helmholtz Open Science Office: An introduction In the talk the history and main activities of the office will be introduced. This will include an overview of the Helmholtz Open Science Policy Speaker: Dr Christoph Bruch (Helmholtz Open Science Office)	🕒 20m 🗒
2:50 PM → 4:25 PM	Session 4: Research Data and Software Management Convener: Dr Yvonne Leifels (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🗒
2:50 PM	Research Data Management at GSI Speaker: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🕒 20m 🗒
3:10 PM	Tools for Research Data and Software Management at GSI/FAIR Speaker: Dr Christopher Huhn (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🕒 20m 🗒
3:30 PM	5 min break	🕒 5m
3:35 PM	Overarching Data Management Ecosystem HELIPOINT Speaker: Dr Oliver Knodel (Helmholtz-Zentrum Dresden-Rossendorf (HZDR))	🕒 20m 🗒
3:55 PM	FAIR goes F.A.I.R. Speaker: Dr Johan Messchendorp (GSI Helmholtzzentrum für Schwerionenforschung GmbH)	🕒 20m 🗒
4:25 PM → 4:30 PM	5 Minute Break	🕒 5m
4:30 PM → 5:00 PM	Session 5: Open Discussion and Closing Day 1 Convener: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🗒
4:30 PM	Open Discussion and Closing Day 1 Speaker: Dr Andrew Mistry (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))	🕒 30m 🗒