

The title of the workshop is presented in bold, dark blue, sans-serif capital letters within a white circular area on the left side of the slide.

**5TH WORKSHOP ON
FAIR DATA IN
PLASMA SCIENCE**

*11-12 May, 2026 at RUB
in Bochum and online*

Kerstin Sgonina, Markus
Becker, Marina Prenzel

© Damian Gorczany

Organization and sponsoring

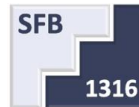
5th Workshop in a series of events organized by the Plasma-MDS initiative

<https://www.plasma-mds.org>



RUHR
UNIVERSITÄT
BOCHUM

RUB



Transient Atmospheric Plasmas
from plasmas to liquids to solids



Kiel University
Christian-Albrechts-Universität zu Kiel



Contact

Please do not hesitate to contact us if you have any questions or if you are interested in collaborating on research data management in low-temperature plasma physics. Subscribe to the [Plasma-MDS mailing list](#) to stay informed about the activities.



Marina Prenzel
Ruhr University Bochum (RUB)
E-mail: marina.prenzel@rub.de
Phone: +49 (0)234-32-23688



Kerstin Sgonina
Kiel University (CAU)
E-mail: sgonina@physik.uni-kiel.de
Phone: +49 (0)431-880-3871



Markus Becker
Leibniz Institute for Plasma Science and Technology (INP)
E-mail: markus.becker@inp-greifswald.de
Phone: +49 (0)3834-554-3821

- Expertise in research data management (RDM)
- RDM tools (<https://github.com/plasma-mds>) for low-temperature plasma (LTP) research
- Connection to RDM activities of related communities and overarching developments such as NFDI
- Online workshops and annual events
- Collaborations and joint projects
- Join the mailing list to stay informed and get involved

Agenda day I

14:00 **Welcome**

Marina Prenzel (Ruhr University Bochum), Kerstin Sgonina (Kiel University), Markus Becker (INP Greifswald)

14:15 **Solutions for institutional research data management at INP**

Robert Wagner (INP Greifswald)

14:40 **Coffee & cookies & communities, building RDM networks**

Marlene Pacharra (Ruhr University Bochum)

15:05 **Introduction to eLabFTW and levels of experiment documentation**

Kerstin Sgonina (Kiel University)

15:30 *Coffee break*

15:45 **Hands-on challenge on experiment documentation**

Kerstin Sgonina (Kiel University)

16:45 **Poster session**

19:00 *Joint dinner at [Q-West](#)*

Agenda day I

14:00 **Welcome**

Marina Prenzel (Ruhr University Bochum), Kerstin Sgonina (Kiel)

14:15 **Solutions for institutional research data management at INF**

Robert Wagner (INP Greifswald)

14:40 **Coffee & cookies & communities, building RDM networks**

Marlene Pacharra (Ruhr University Bochum)

15:05 **Introduction to eLabFTW and levels of experiment document**

Kerstin Sgonina (Kiel University)

15:30 *Coffee break*

15:45 **Hands-on challenge on experiment documentation**

Kerstin Sgonina (Kiel University)

16:45 **Poster session**

19:00 *Joint dinner at Q-West* **Meal + max 2 drinks**



Agenda day II

09:00 **Metadata schema approach for explosion protection**

Carsten Uber & Michael Hilbert (PTB Braunschweig)

09:25 **Connecting non-thermal plasma research with real-world applications: a FAIR metadata schema for food decontamination studies**

Georgios Pampoukis (ETH Zurich)

09:50 **Schema-driven data management for simulation, modelling, and experimental data in PlasmArc4Green using Adamant and Nextcloud**

Magdalena Schatzl & Hamideh Hassanpour Guilvaiee (K1-MET GmbH)

10:15 *Coffee break with posters*

10:45 **Metadata management in natural sciences**

Beatrice Weers (Leibniz Institute of Surface Engineering (IOM), Leibzig)

11:10 **Practical implementation and use of RDM systems for bioimaging in plasma medicine with Jupyter Notebook**

Mohsen Ahmadi (INP Greifswald)

11:35 **ChemCat and further LXCat3-based developments for plasma simulations**

Daan Boer & Jan van Dijk (Eindhoven University of Technology)

12:00 *Lunch*

13:15 **Introducing FID Physik – a discipline-specific information service for physics**

Lina Bockhorn (TIB Hannover)

13:40 **FID Materials Science – tools and services**

Christiane Schmidt (TIB Hannover)

14:05 **Towards structured, AI-ready data for the atomic layer deposition and etching community**

Sameer Sadruddin (TIB Hannover) & Eleni Poupaki (Eindhoven University of Technology)

14:30 *Closing*

Agenda day II

- 09:00 **Metadata schema approach for explosion protection**
Carsten Uber & Michael Hilbert (PTB Braunschweig)
- 09:25 **Connecting non-thermal plasma research with real-world applications: a FAIR metadata schema for food decontamination studies**
Georgios Pampoukis (ETH Zurich)
- 09:50 **Schema-driven data management for simulation, modelling, and experimental data in PlasmArc4Green using Adamant and Nextcloud**
Magdalena Schatzl & Hamideh Hassanpour Guilvaiee (K1-MET GmbH)
- 10:15 *Coffee break with posters*
- 10:45 **Metadata management in natural sciences**
Beatrice Weers (Leibniz Institute of Surface Engineering (IOM), Leibzig)
- 11:10 **Practical implementation and use of RDM systems for bioimaging in plasma medicine with Jupyter Notebook**
Mohsen Ahmadi (INP Greifswald)
- 11:35 **ChemCat and further LXCat3-based developments for plasma simulations**
Daan Boer & Jan van Dijk (Eindhoven University of Technology)
- 12:00 *Lunch* **with voucher**
- 13:15 **Introducing FID Physik – a discipline-specific information service for physics**
Lina Bockhorn (TIB Hannover)
- 13:40 **FID Materials Science – tools and services**
Christiane Schmidt (TIB Hannover)
- 14:05 **Towards structured, AI-ready data for the atomic layer deposition and etching community**
Sameer Sadruddin (TIB Hannover) & Eleni Poupaki (Eindhoven University of Technology)
- 14:30 *Closing*

