

## **Summary of session 2:**

**“EHC working towards improved  
community interaction”**

Introduction on goal of the session: Rumi Nakamura

P1: Introduction to the European Heliophysics Community (EHC) Heli Hietala

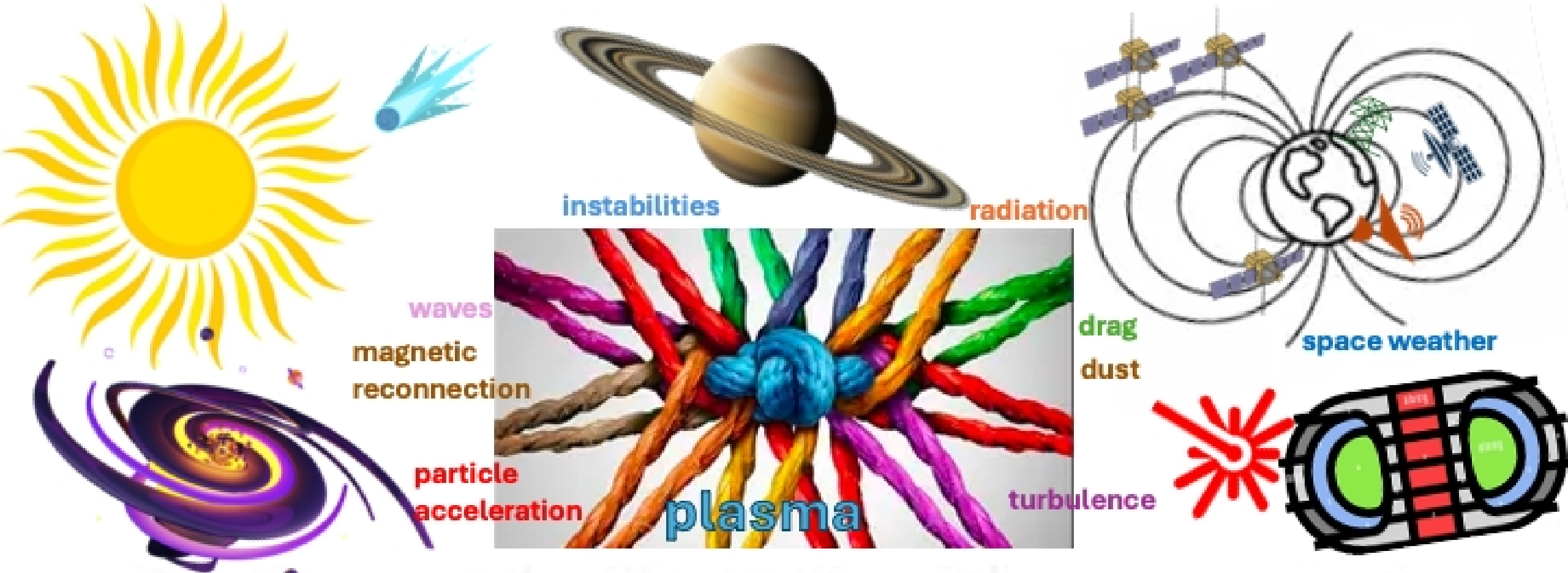
P2: Summary of key takeaways from the EGU Splinter Meeting. Manuela Temmer

P3: Overview of the upcoming ISSI Forum. Rumi Nakamura, Thierry DuDok De Wit + Geraint Jone

P4: Overview from IMC-IV EHC discussions. Yuri Shprits

P5: Research-to-Operations-Research (R2O2R), a key paradigm to advance the science and impact of Heliophysics? Mike Hapgood

P6: ECR Career opportunities - Results from questionnaire. Charlotte Goetz



instabilities

radiation

waves

magnetic reconnection

particle acceleration

plasma

turbulence

drag dust

space weather

theory

instrumentation

data analysis

simulations

machine learning

# European Heliophysics Community

# Session 2 Summary P2-P6

[https://euro-helio.zulipchat.com/#narrow/channel/468607-2024-S2.3A-Improving-community-interaction/topic/Session.2  
0information](https://euro-helio.zulipchat.com/#narrow/channel/468607-2024-S2.3A-Improving-community-interaction/topic/Session.2%20Information)

P2 EGU Splinter, P3 ISSI Forum, P4 IMC-IV EHC discussions, P5 R2O2R

Zulip topics (welcome further inputs or add new topics)

- ISSI Forum input
  - What disciplines to be included ?
  - Best-suited organizational structure
  - List of key issues to be addressed
  - How to interact with other existing initiatives
- Heliophysics & Space weather
- E-SWAN
- R2O2R

**P6 ECR Career opportunities:**

Please provide your answers to the Questionnaire, if you have not done yet.

Results of SWOT analysis and summary will appear in zulip.

**“Towards building a European  
Heliophysics Community and advancing  
the multi-disciplinary field of heliophysics  
research”**

January 29-31, 2025

Conveners: Thierry Dudok de Wit, Geraint Jones, Rumi Nakamura

<https://forum.issibern.ch/ehc/>

# EGU 2025 EHC sessions + TM (to be submitted)

28/04/2025 - 02/05/2025

 **PS4.3 How can we unravel the Impact of Great Solar Storms In Our Solar System? Transcending discipline-borders with the European Heliophysics Community** Co-organized by ST4

Convener: Manuela Temmer | Co-conveners: Rumi Nakamura, Jonathan Rae, Louise Harra, Laura Rodríguez-García

GI4.4 **Cosmic rays across scales and disciplines: the new frontier in environmental research** Co-organized by HS13/PS4/ST1

Convener: Martin Schrön | Co-conveners: Daniel Rasche, Lena M. Scheffele, Cosimo Brogi, Jannis Weimar

PS4.2 **Planetary, Solar and Heliospheric Radio Emissions** Co-organized by ST1

Convener: Patrick Galopeau | Co-conveners: Ulrich Taubenschuss, Mohammed Y. Boudjada

PS4.1 **Space Environments of Unmagnetized or Weakly Magnetized Solar System Bodies and the Effects of Space Weather on These Systems** Co-organized by ST4

Convener: Martin Volwerk | Co-convener: Charlotte Götz

ESSI1.11 **Machine Learning in Planetary Sciences and Heliophysics** Co-organized by PS7/ST4

Convener: Justin Le Louëdec | Co-conveners: Hannah Theresa Rüdiger, Gautier Nguyen

NP6.4 **Turbulence, magnetic reconnection, shocks and particle acceleration: nonlinear processes in space, laboratory and astrophysical plasmas** Co-organized by ST4

Convener: Maria Elena Innocenti | Co-conveners: Francesco Pucci, Nais Fargette, Meng Zhou, Giuseppe Arro'

EMRP2.3 **Measuring, modelling and forecasting Geomagnetically Induced Currents in grounded infrastructure** Co-organized by ST4

Convener: Adamantia Zoe Boutsis | Co-conveners: Giulia Pignatiello, Ciaran Beggan, Roberta Tozzi

ST4.2 **Advances in determining the Earth Radiation Budget from Space** Co-organized by AS3/CL2

Convener: Margit Haberreiter | Co-convener: Steven Dewitte

ST1.11 **Turbulence in space plasmas** Co-organized by NP6/PS4

Convener: Olga Alexandrova | Co-conveners: Julia Stawarz, Luca Sorriso-Valvo, Jesse Coburn

ST1.7 **Theory and Simulation of Solar System Plasmas** Co-organized by NP6

Convener: Shangbin Yang | Co-conveners: Maria Elena Innocenti, Maria Kuznetsova, Natasha Jeffrey

**Create a directory a directory to  
catalog the members of the  
European Heliosphysics Community.**

- Directory created on ESA website**
  - Will be public soon**

# Next "European Heliophysics Community workshop"

**TBD**