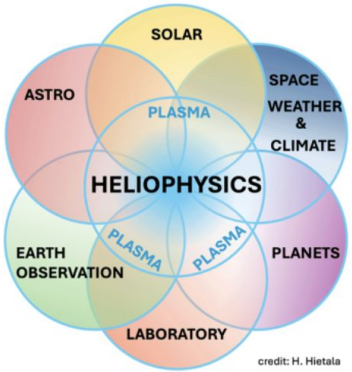
European Heliophysics Community: building a community for Solar, Solar System, magnetospheric, planetary, ionospheric plasma (from ground to space based) in Europe

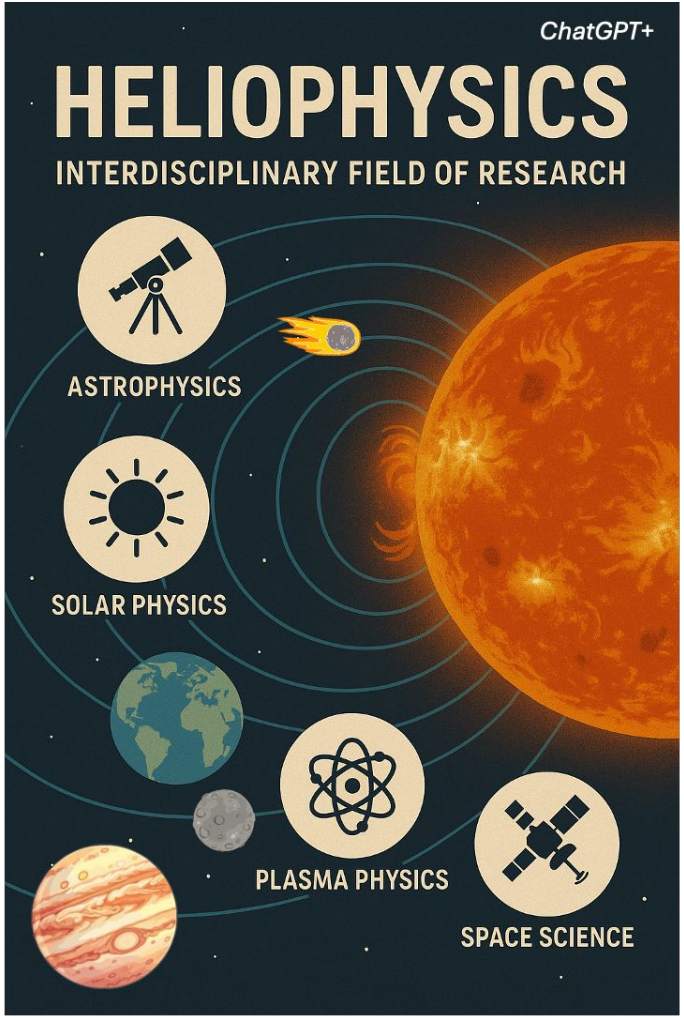
ESLAB & 3rd Heliophysics community meeting



What is EHC?

- Heliophysics? It encompasses studies of the Sun, its sphere of influence, and how it affects the bodies in the solar system.
- Motivation: Scientists with the same expertise study thefundamental physics and physical processes across the variousdisciplines, but work in separate communities.
- EHC, the European Heliophysics Community, stands for cross-disciplinary science and connecting researchers through all heliophysics disciplines.
- EHC facilitates opportunities to get involved in future spacemissions and ground-based networks.

The EHC community covers aspects of solar physics, space plasma physics, ionosphere-thermosphere physics, magnetospheric physics, planetary physics, small body physics, and the fundamental and applied research on space weather.



Forum Report - Webpage



https://www.heliophysics.eu/

Forum Report - Newsletter

- This newsletter provides updates and information relevant to our community, as well as invitations to events and activities.
- To subscribe to the email list, please send an email to helio-europe-on@gfz.de
- If at any time you wish to unsubscribe, please send an email to helio-europe-off@gfz.de
- General enquiries and news submissions should be sent to https://spaceweather.gfz.de/contact/submission-to-helio-europe-mailing-list
- We will collect all submissions and publish them in the next newsletter.
- Please limit your announcements to 200 words.



ISSI Forum White Paper

Outcome of „European Heliospheric Community (EHC Forum)„

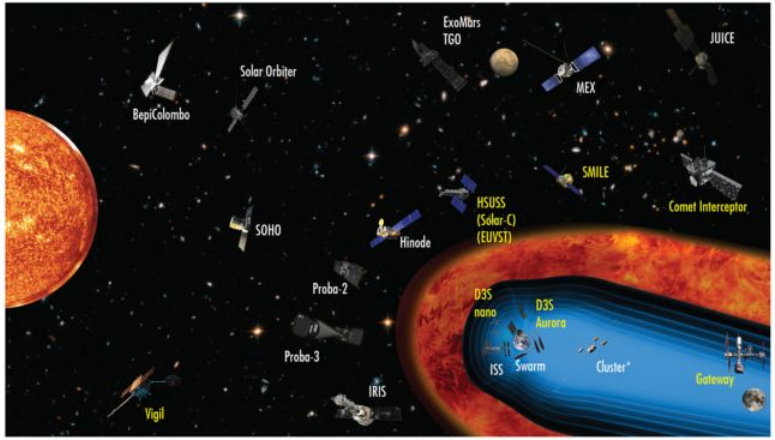
(https://forum.issibern.ch/ehc/) 29–31 January 2025

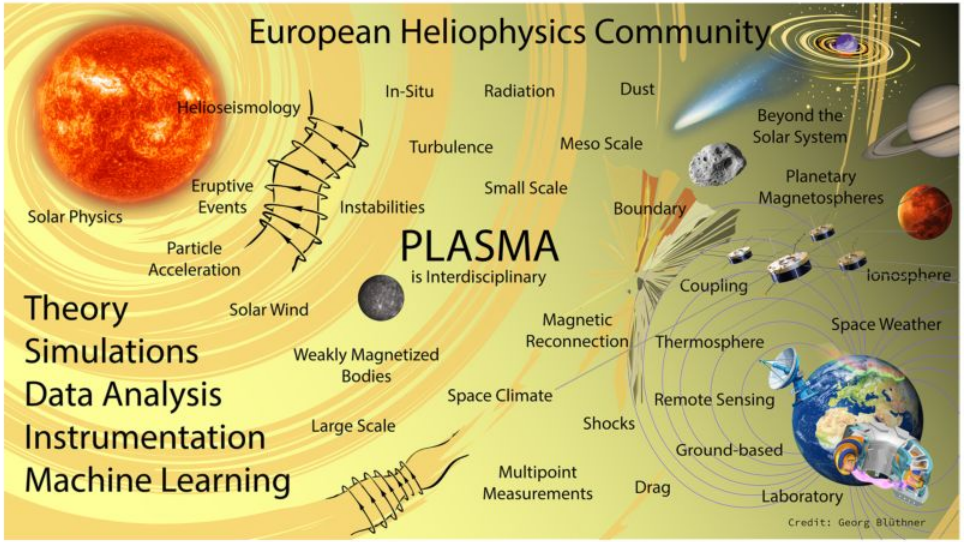
Conveners: Thierry Dudok de Wit, Geraint H. Jones, Rumi Nakamura Matt G. G. T. Taylor
Participants: Nicolas André, Charlotte Goetz, Lina Z. Hadid, Laura A. Hayes, Heli Hietala, Caitríona M. Jackman, Larry Kepko, Aurélie Marchaudon, Adam Masters, Mathew Owens, Noora Partamies, Stefaan Poedts, Jonathan Rae, Yuri Shprits, Manuela Temmer, Daniel Verscharen, Robert F. Wimmer-Schweingruber

“Establishing a European Heliophysics Community (EHC)”

https://egusphere.copernicus.org/preprints/2025/egusphere-2025-3814/
published in August, 2025

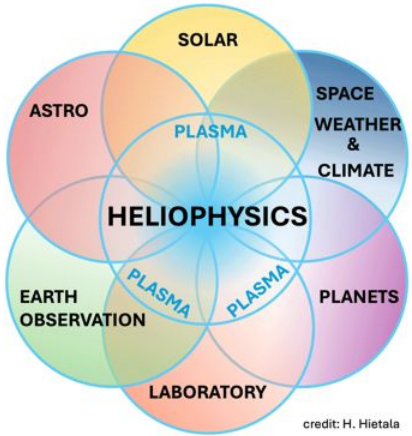
1. Introduction
2. Background
3. Examples of Heliophysics Science
4. Conclusions and Vision





Key aspects and recommended actions.

- Low-threshold communication channels
- Exchange experience across generations
- Exchange information on data sources, facilities, tools, and with other disciplines
- Coordinated data and software Infrastructure
- Outreach
- Scheme of organization
- Communication and Coordination with other Organization



EHC working groups



Why ? Because a minimal structure is needed to organise the community, receive inputs and share the load.

How many ? So far 4 have been identified.
We are still in an accretion phase, so contributions/joinig WGs are welcome !

1. **Interim steering committee** (started with ISSI forum participants): to help set up the structure.
2. **Community engagement** (Manuela Temmer + …): communication, web page, newsletter, organise sessions, liaise with other organisations
3. **Exchange across generations** (Lina Hadid + …) Support of ECR is as the heart of the EHC : training schools, job offers, etc.
4. **EHC workshops** (Matt Taylor + …) The next one will be on September 21-25, 2026 @ ESTEC

1. Interim steering committee



- Started with ISSI forum participants to help set up the structure.
- ISSI forum activity completed with several outputs:
    - Webpages
    - Working groups
    - White Paper
- We need new setup toward a more consolidated EHC Steering Committee

2. Community Engagement



Manuela Temmer + … Guram Kervalishvili

Daniel Verscharen, Bob Wimmer-Schweingruber, Yuri Shprits, Aurélie Marchaudon, Georg Blüthner, Charlotte Goetz, Lina Hadid

a. Organize sessions/townhalls/splinters at meetings and national meetings.
b. Coordination of PR events, graphic outputs
c. Webpage content including : nuggets, and lists
   Space missions, Ground-based instruments, Models, Tools, Subdisciplines and points of contact
d. Newsletter
e. Coordinate with other professional organisations (MIST etc)

3. Exchange across generations



Lina Hadid + …

Thierry Dudok de Wit, Charlotte Goetz, Laura Hayes, Manuela Temmer

a. ECR driven - peer exchange, career club, transferable skills, Training, Meeting, coordinate online courses, youtube videos, summer school
b. Cross-disciplinary science discussions (online, HelioMeet), Info exchanges on missions

3. Exchange across generations

We have never really engaged with kids in our outreach, have we?





@chatgpt image based on EHC

SuperHelio - Guardian of the Sun, the Planets, and Everything in Between.

Powered by the Sun. Fueled by plasma.

⚡	**Solar Power**	- the Sun's unstoppable strength
🔬	**Plasma Power**	- the fourth state of matter, straight from the stars
🌌	**Aurora Magic**	- the shimmering shield of the Northern Lights
🪐	**Planet Power**	- a friend to every world in the solar system
🌍	**Earth Watch**	- eyes always on our home planet
🔭	**Lab Power**	- where curiosity becomes superpower

4. EHC workshops



Matt Taylor + …

- The next one will be on September 21-25, 2026 @ ESTEC4

a. Ground/space based

b. Simulations /modelling

c. tools/archive/data use

e. Missions, Instruments

THIS IS TODAY!
WHAT IS NEXT??

Please fill out the first two questions, and then only the slide corresponding to your career stage and the EHC slide (for all)!

Go to

www.menti.com

Enter the code

8652 0667

Or use QR code

Discussion topics

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1. How do we fight the culture of non-permanency in science? How do we communicate the problems of non-permanent staff better?
2. What steps are needed to advance the EHC efforts in the next year?
3. How do we communicate our science goals and needs to the national and international agencies?
4. EHC logo, any thoughts?

Action Items

- Next EHC meeting: IAPS to confirm, improvements to be discussed, SOC members to volunteer → WG 4
- Logo workshop over coffee
- Advocacy → WG 2
- ECR advocacy to improve life for those on non-permanent contracts → WG 3
- Tools
- Meeting report for the newsletter → steering committee