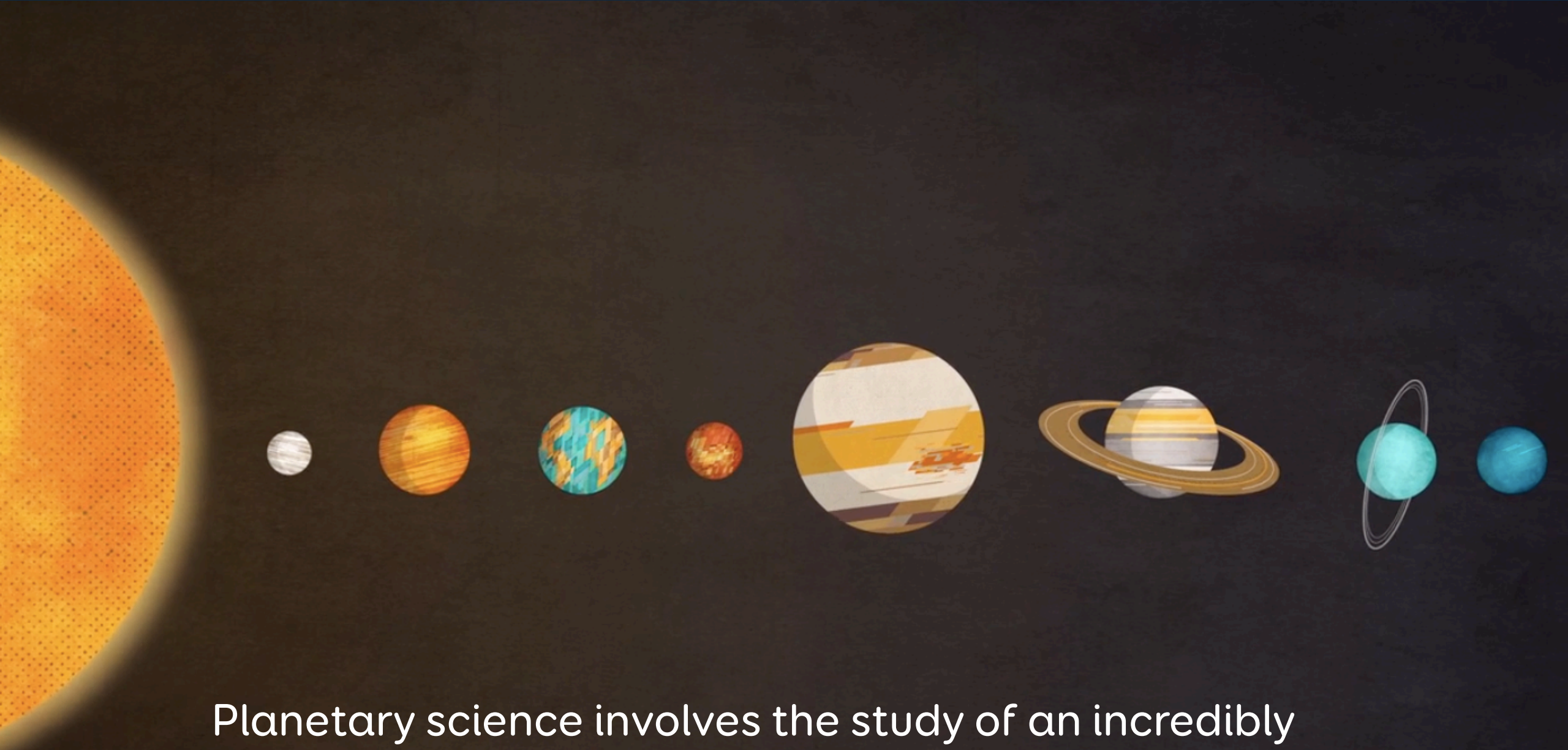




Europlanet - A Case Study in Sustainable Communications for Distributed Research Infrastructures

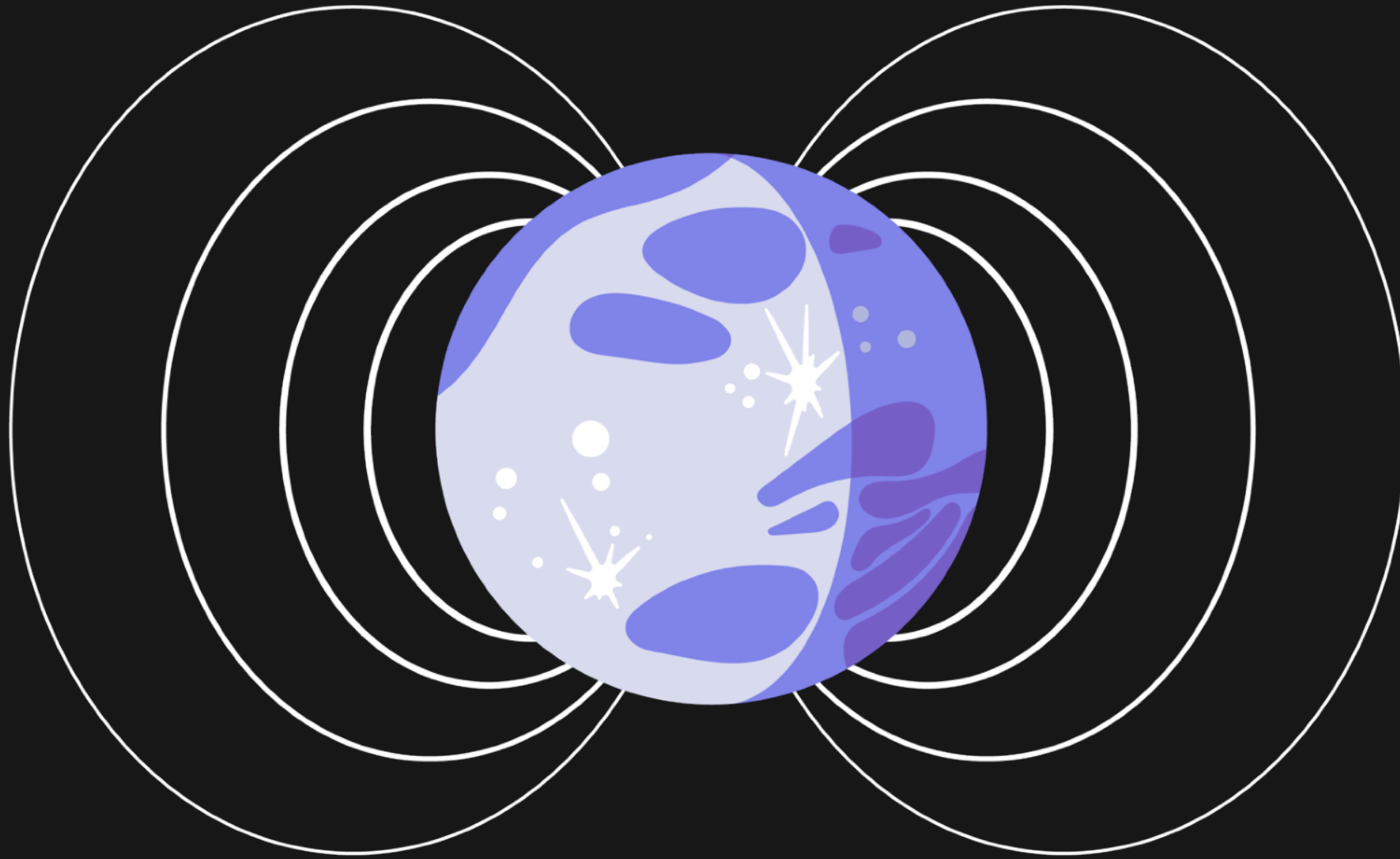


Anita Heward, Vice President, Europlanet

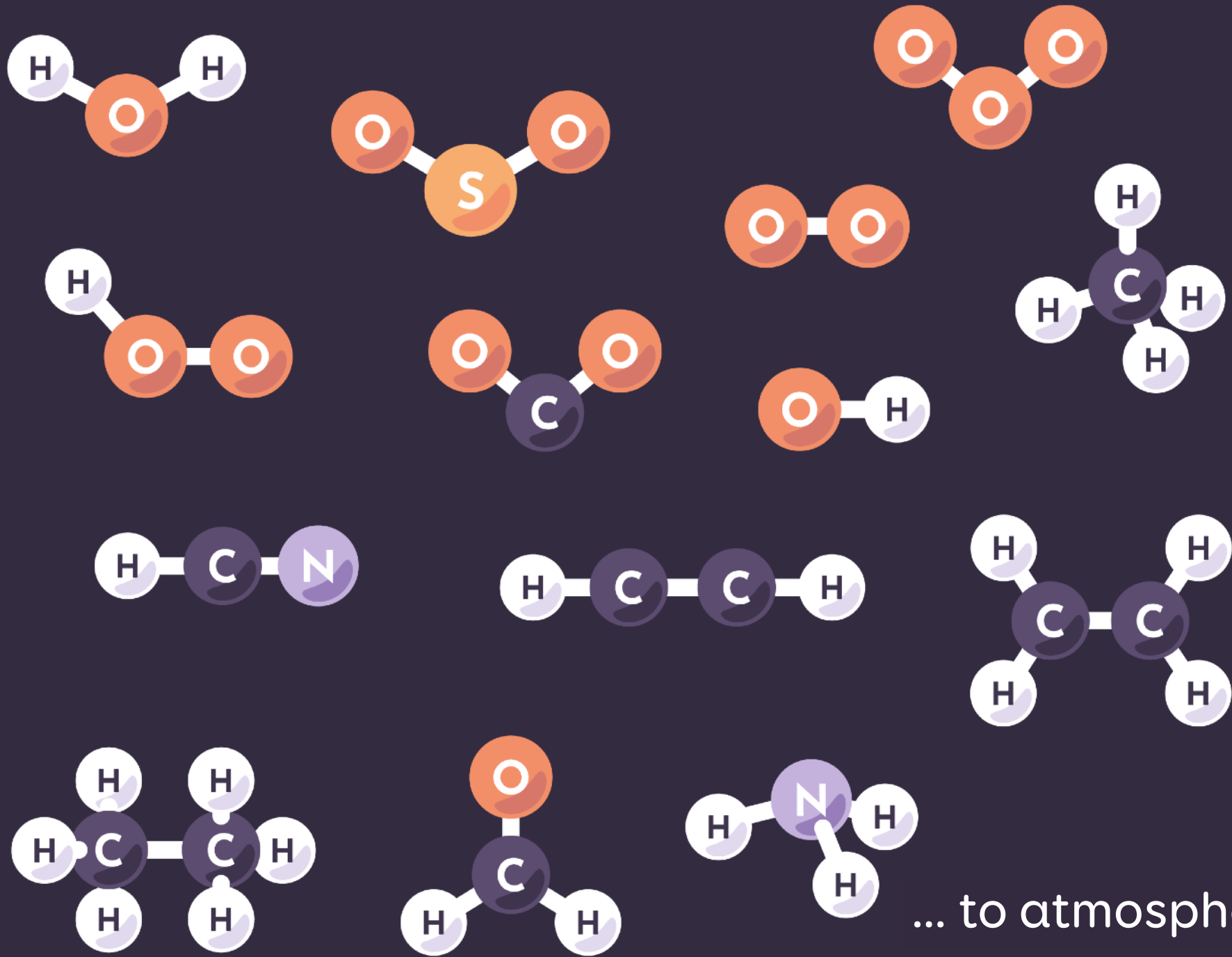


Planetary science involves the study of an incredibly diverse range of objects in our Solar System and beyond

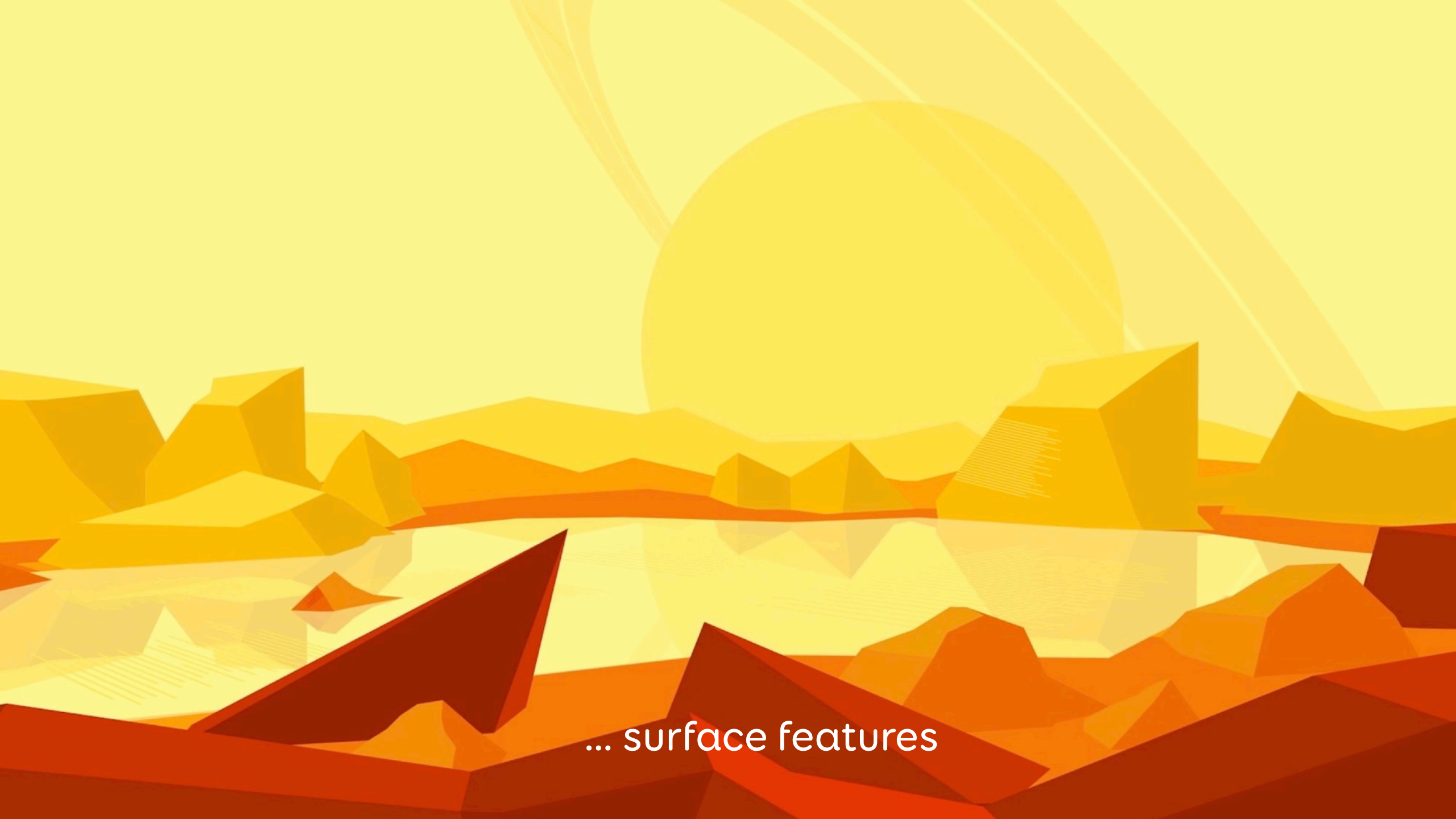
It also covers a wide range of sciences...



... from magnetospheric and plasma



... to atmospheric

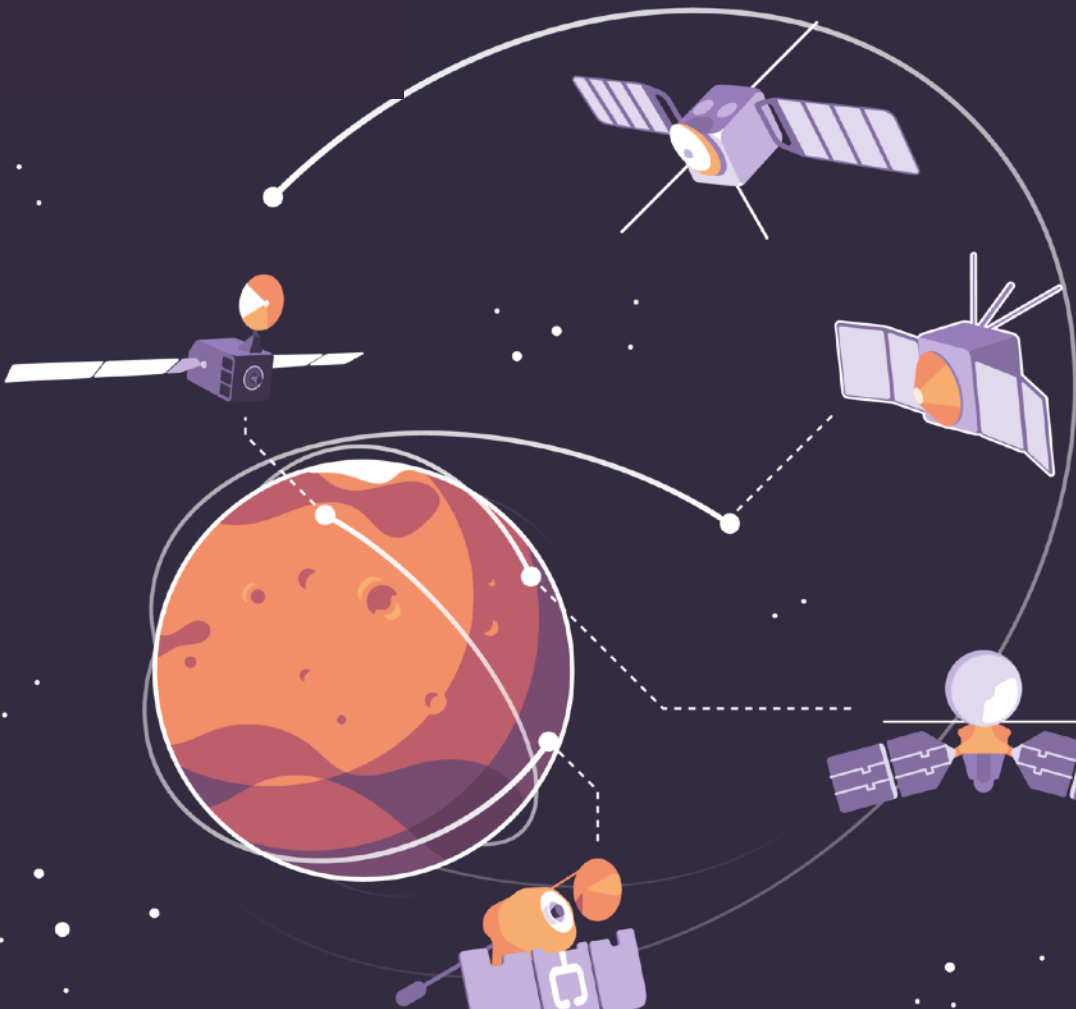


... surface features

... and even the search for life

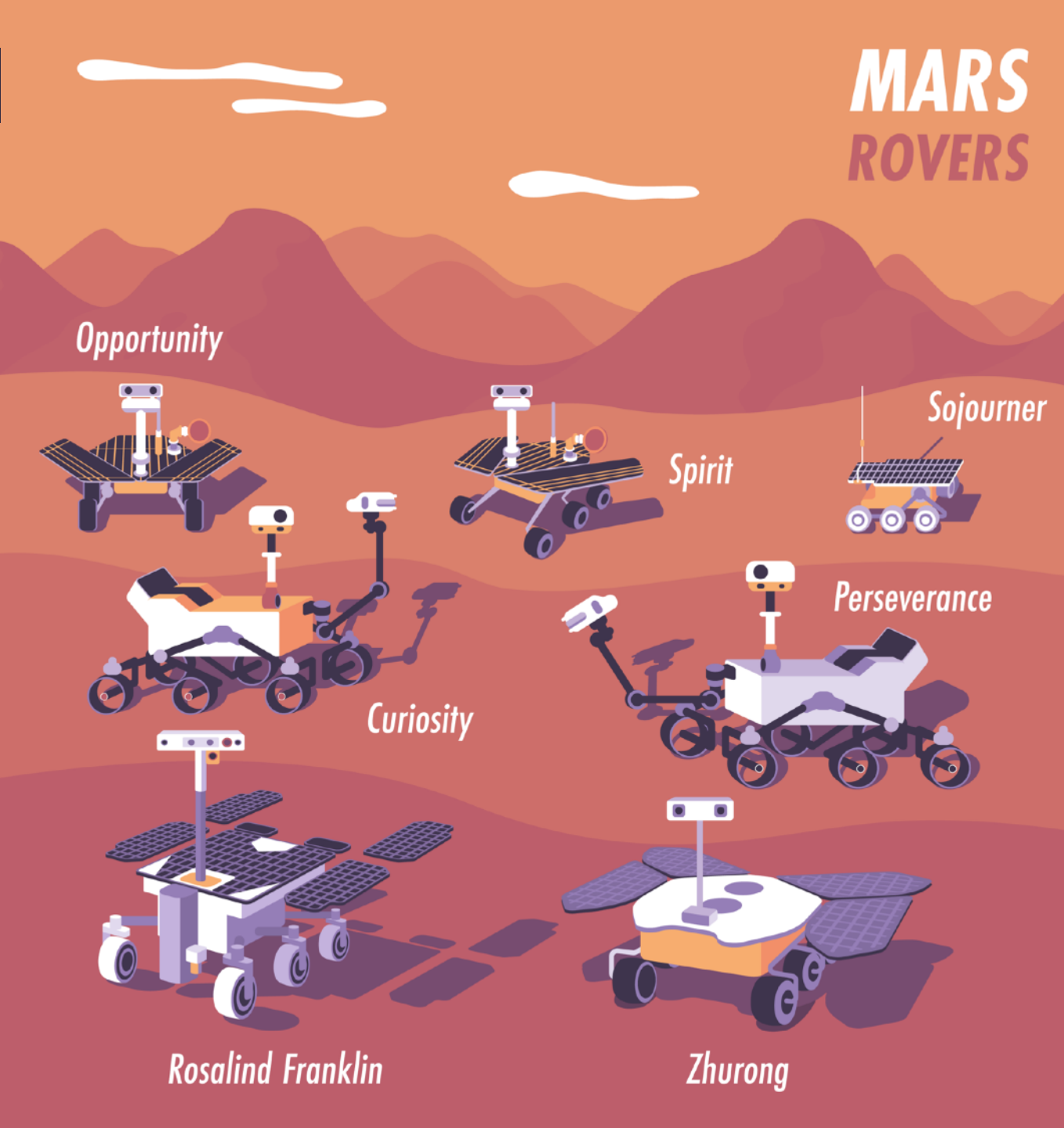


Missions study planetary bodies



from orbit and in situ

MARS ROVERS



Opportunity

Sojourner

Spirit

Perseverance

Curiosity

Rosalind Franklin

Zhurong

... but mission observations need to be supported
by studies back on Earth



EUROPLANET TELESCOPE NETWORK

through ground-
based observations
with telescopes.



Asteroids



Exoplanets



Comets



Planetary systems



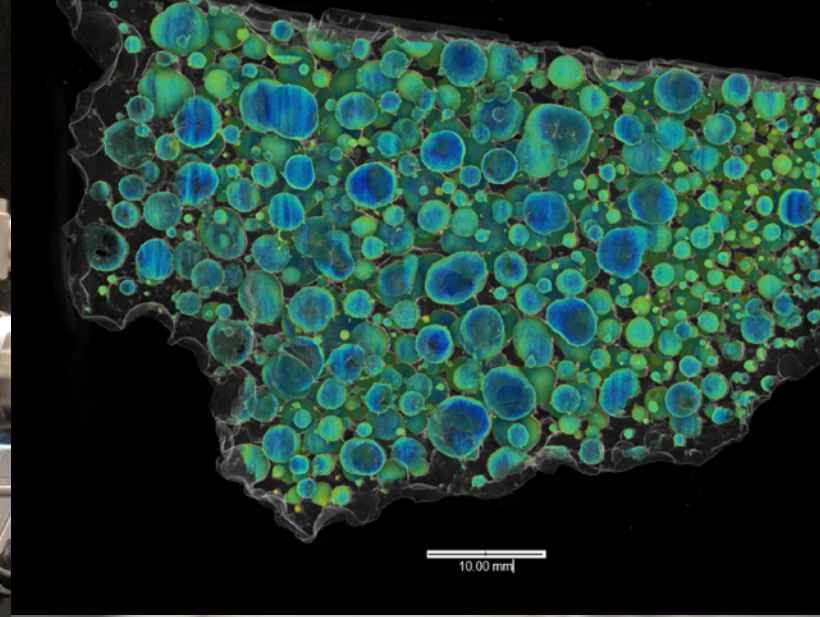
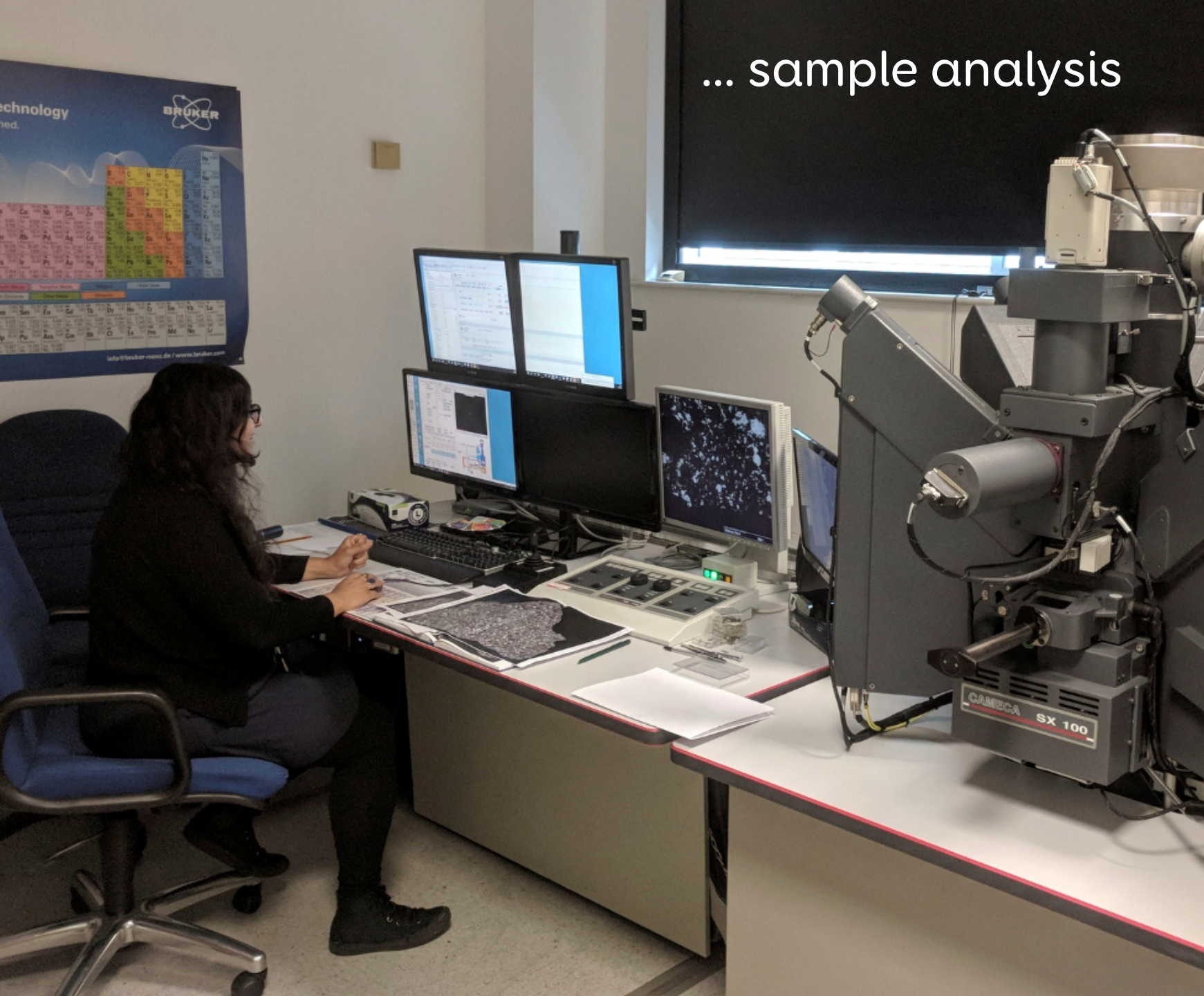
... visits to planetary analogue sites





... lab experiments and simulations

... sample analysis





EU funding for Europlanet has created the largest collection of planetary simulation & analysis facilities in the world



Countries involved in Europlanet RIs



EU funding for Europlanet has created the largest collection of planetary simulation & analysis facilities in the world

FP6



41 beneficiaries



EuroPlaNet



Countries involved in Europlanet RIs



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FP6



41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet
RI



5 TA PFA
11 TA labs



RI

Countries involved in Europlanet RIs





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41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet RI



5 TA PFA
11 TA labs

H2020



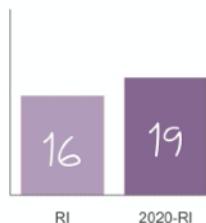
33 beneficiaries



Europlanet 2020 RI



5 TA PFA
12 TA labs



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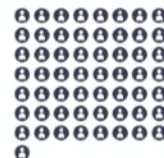
33 beneficiaries



Europlanet 2020 RI



5 TA PFA
12 TA labs



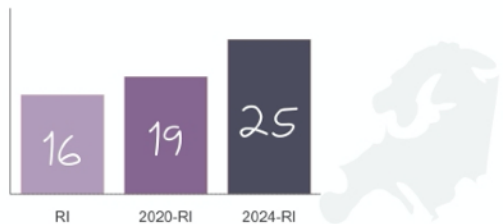
56 beneficiaries



Europlanet 2024 RI



6 TA PFA
24 TA labs (+11 in 2020)



Countries involved in Europlanet RIs



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FP6



41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet RI



5 TA PFA
11 TA labs

H2020



33 beneficiaries



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12 TA labs



56 beneficiaries



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41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet RI

H2020



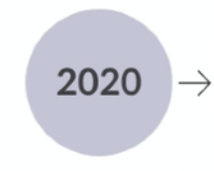
33 beneficiaries



Europlanet 2020 RI



56 beneficiaries



Europlanet 2024 RI



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11 TA labs



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41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet RI

H2020



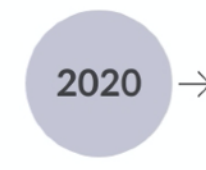
33 beneficiaries



Europlanet 2020 RI



56 beneficiaries



Europlanet 2024 RI



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EU funding for Europlanet has created the largest collection of planetary simulation & analysis facilities in the world

FP6



41 beneficiaries



EuroPlaNet

FP7



27 beneficiaries



Europlanet RI



5 TA PFA
11 TA labs

H2020



33 beneficiaries



Europlanet 2020 RI



5 TA PFA
12 TA labs



56 beneficiaries



Europlanet 2024 RI



6 TA PFA
24 TA labs (+11 in 2020)



Countries involved in Europlanet RIs



TRANSNATIONAL ACCESS

197 projects, 293 researchers
2077 days of access supported



EXPERT EXCHANGES

30 exchanges, 59 researchers,
23 countries



EUROPLANET TELESCOPE NETWORK

44 projects
256.5 Observation Nights



VESPA

91 data services in portal,
290 services in IVOA registry,
1000 users per month



SPIDER

6 new planetary
space weather services
3 run-on-request



GMAP

1000+ geological
planetary mappers
in GMAP community



MACHINE LEARNING

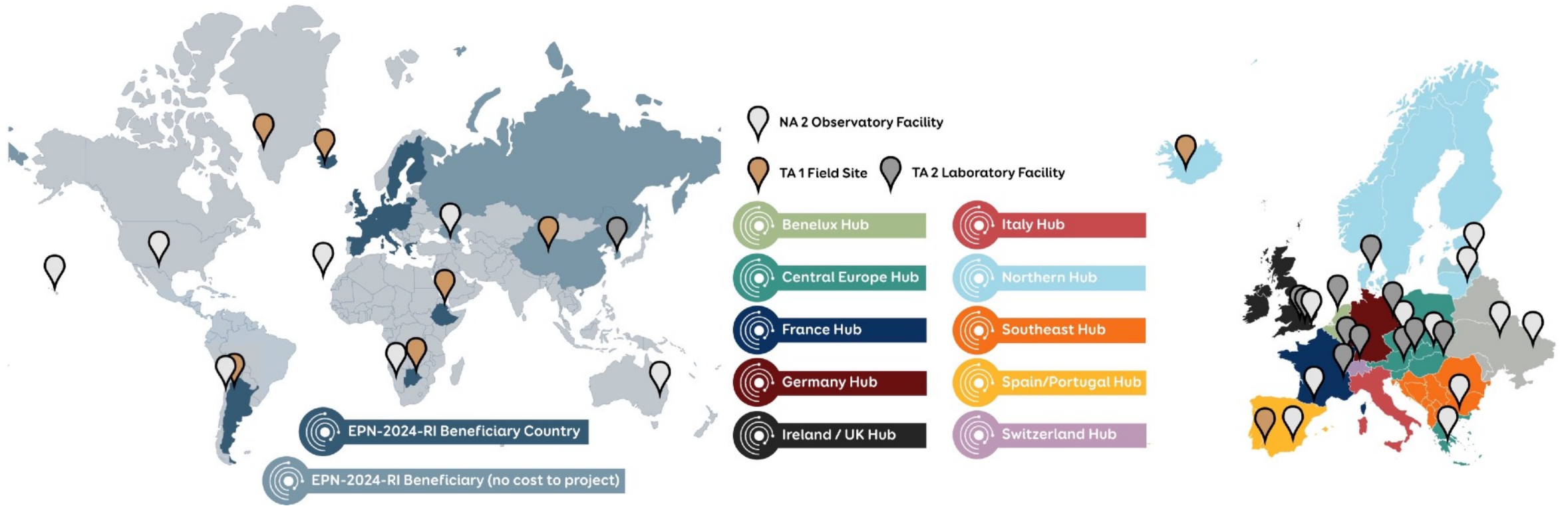
10 new
open-source
machine learning tools



Europlanet 2024 RI has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 871149.



How to sustain Europlanet's worldwide community beyond EC funding?



- Largest European-based annual gathering of planetary scientists
- Held annually since 2006
- Regularly attracts 1200 participants for stand-alone meetings (~1700 for joint meetings with American Astronomical Society's Division of Planetary Sciences)
- Brings in a profit of ~€100K for the community



- Launched in 2018
- Organised around members, who elect its governing body, the Executive Board.
- Activities are carried out by its committees, working groups and regional hubs, which include EPSC.



Access Resources

Members-only resources and webinars provide training and support on proposal-writing, opportunities to engage with policy-makers, information on funding opportunities and a platform to look for partner to form consortia for upcoming bids.



EPSC Conference Discounts.

The largest planetary science conference in Europe. Members enjoy exclusive events and discounted conference fees.



Expand Your Network.

Members can choose to be connected with researchers of similar interests or from the same institution.



Early Career Network.

A highly active network of young professionals. By early-career researchers for early-career researchers.

Sponsored annual gatherings with training and workshops.



Numerous working groups including those on policy, diversity, future research, networking, beyond Europe and outreach.

Regional Hubs.

10 regional hubs organise networking events and workshops, and link with amateur astronomers, industrial partners and policymakers.



JOIN THE EUROPLANET SOCIETY!

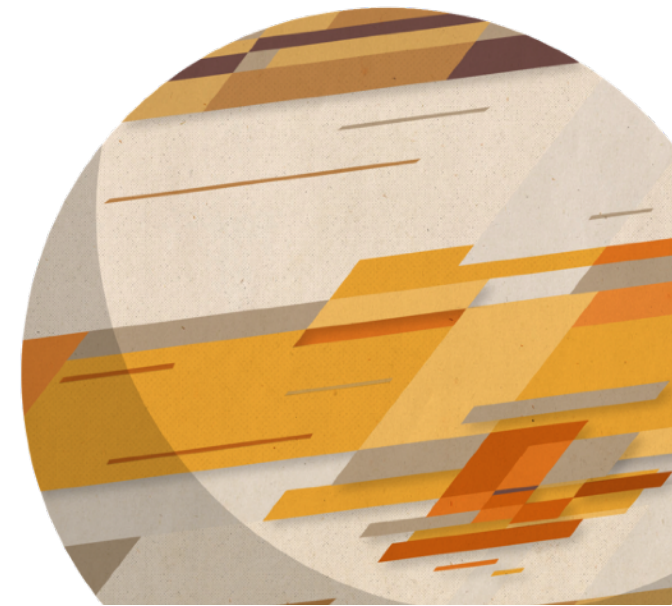


www.europlanet-society.org/join

Legal entity: Europlanet established the Europlanet Association in January 2023, a not-for-profit international association under Belgian law (“AISBL”)

The AISBL allows Europlanet to:

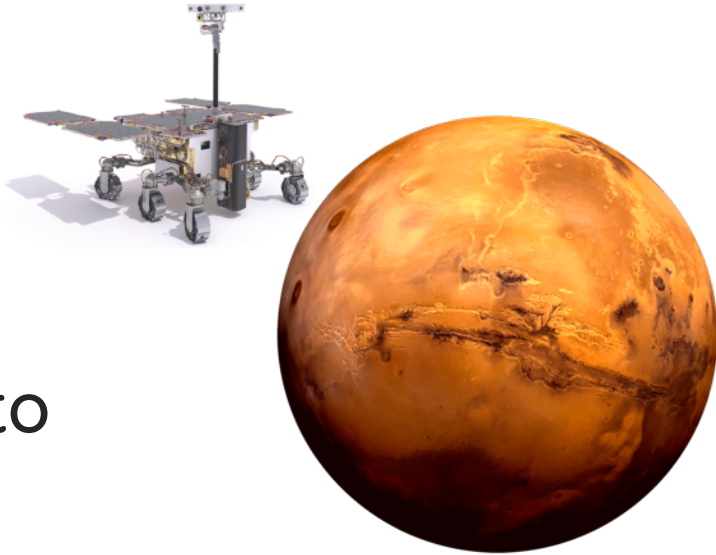
- Operate as a sustainable Research Infrastructure
- Claim ownership of the Europlanet brand and assets
- Participate as a beneficiary in projects
- Join international organisations (e.g. EOSC, IPDA)
- Sign MOUs and contracts with sister organisations (e.g. DPS, EGU, EAS)





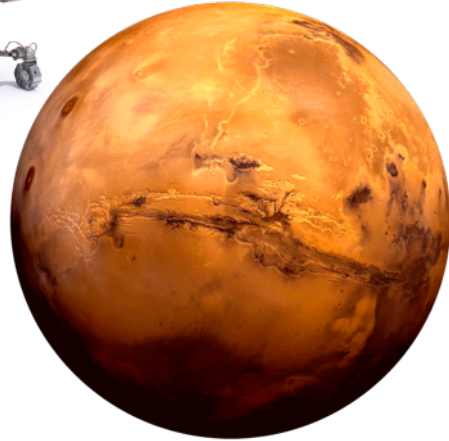
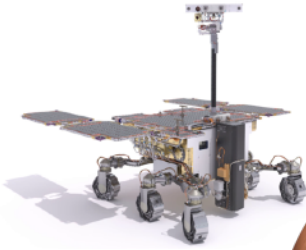
AISBL

provides
flexibility to
adapt to
changing
needs of the
planetary
community

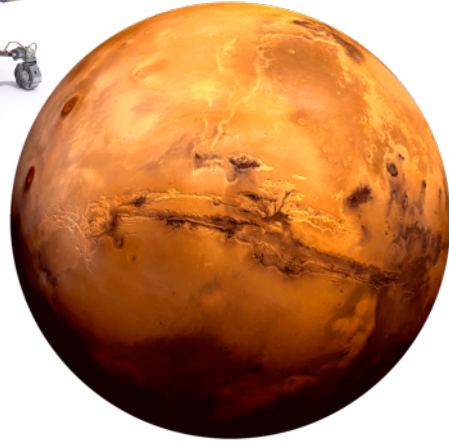
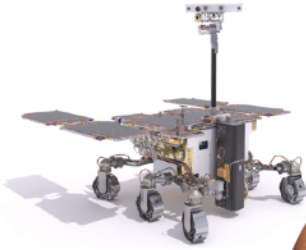


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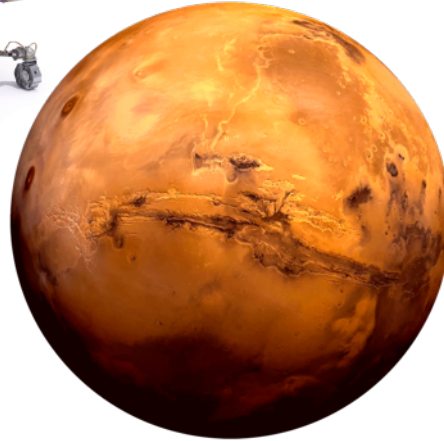
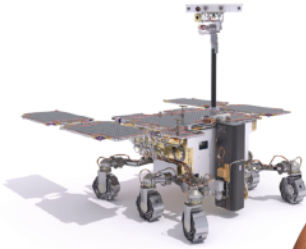
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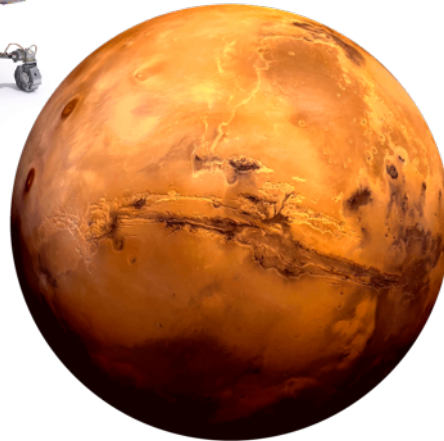
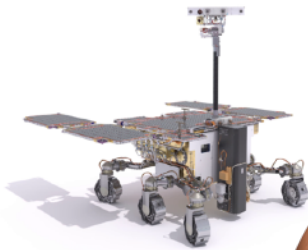
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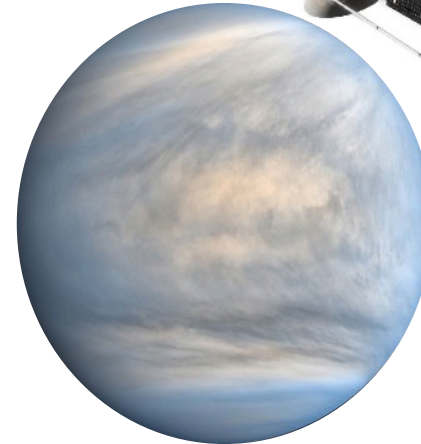
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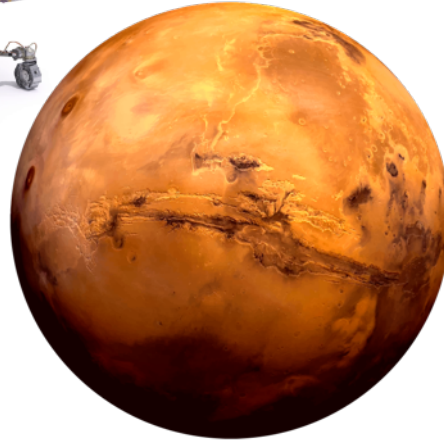
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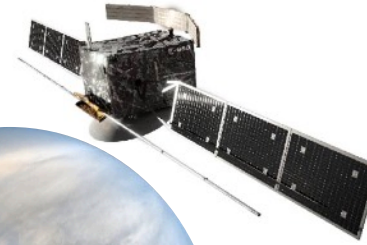
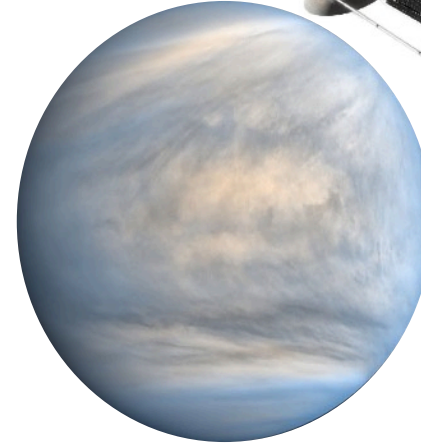
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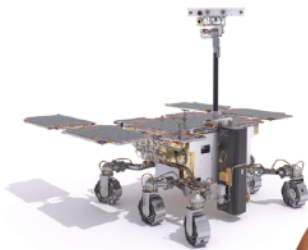
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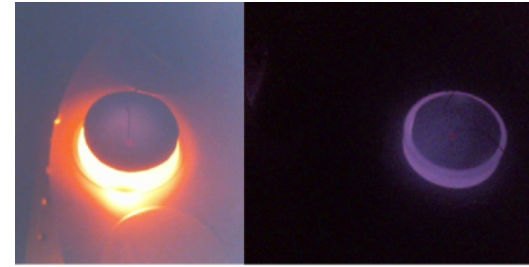
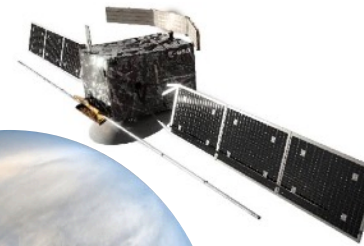
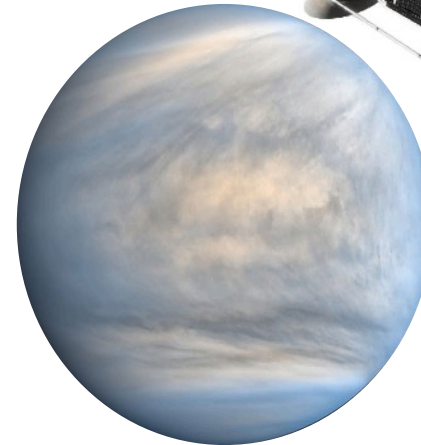
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AISBL provides flexibility to adapt to changing needs of the planetary community

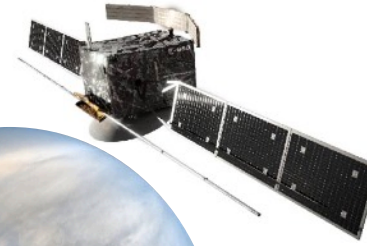
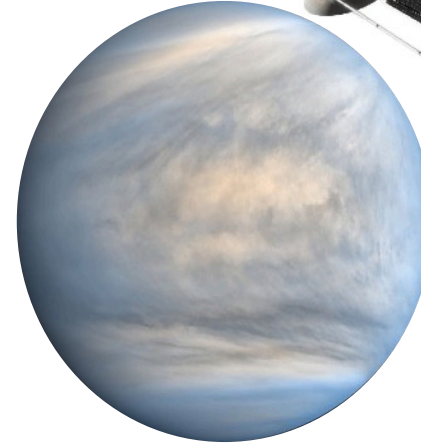
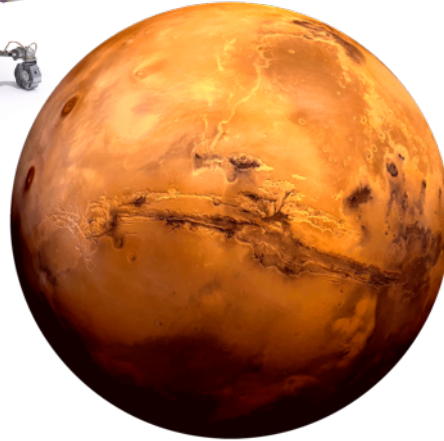
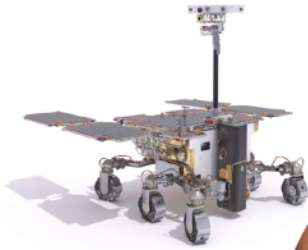


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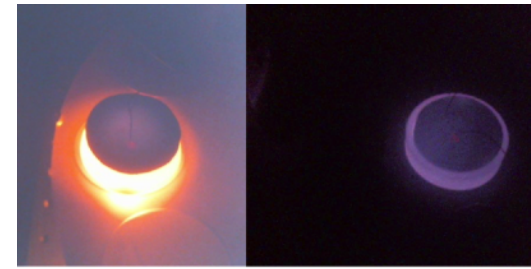
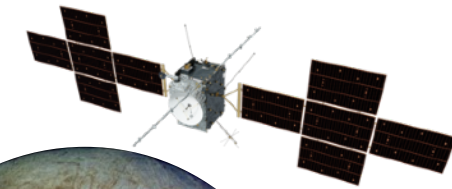
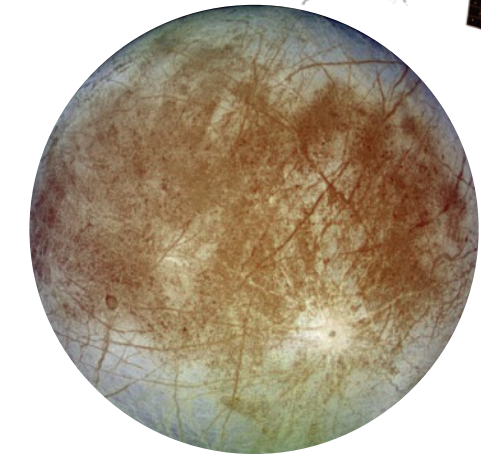
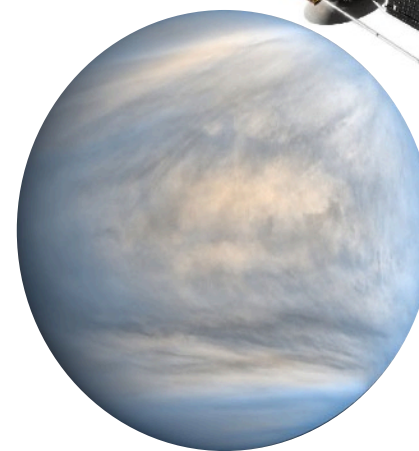
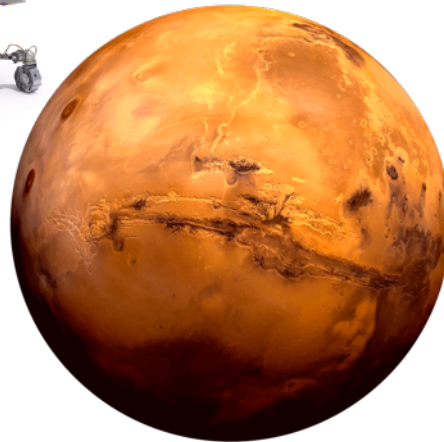




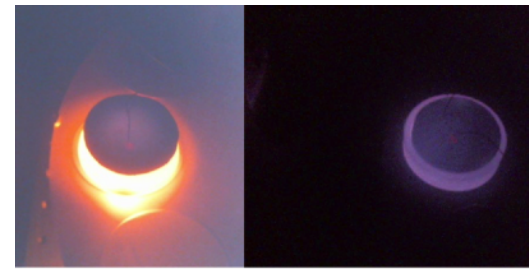
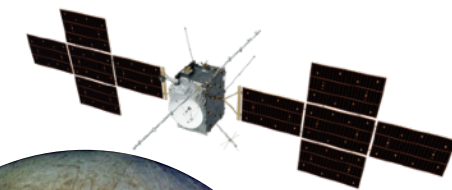
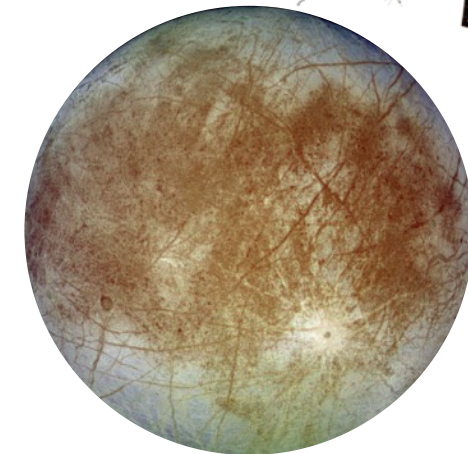
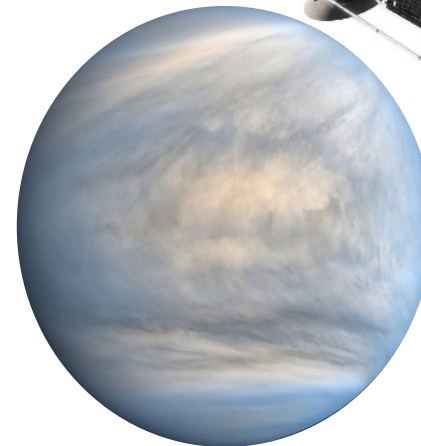
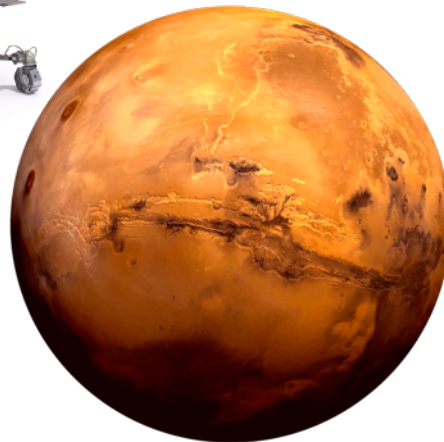
AISBL provides flexibility to adapt to changing needs of the planetary community



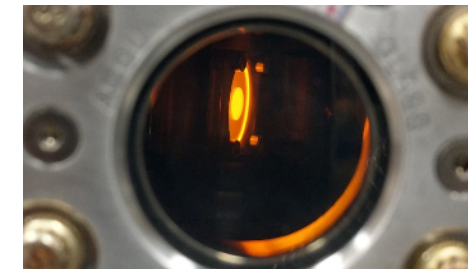
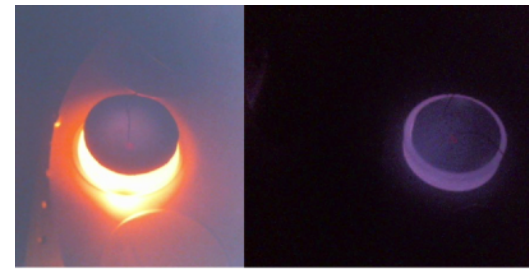
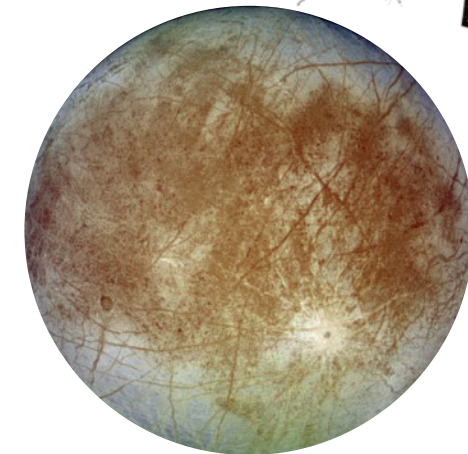
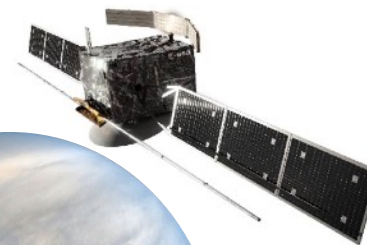
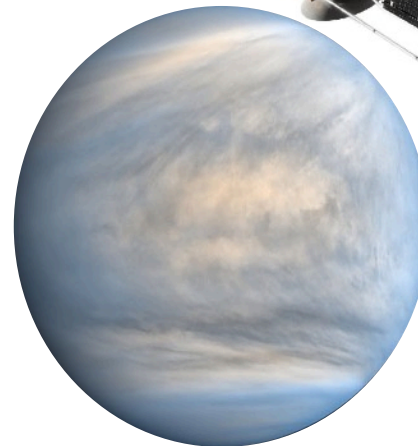
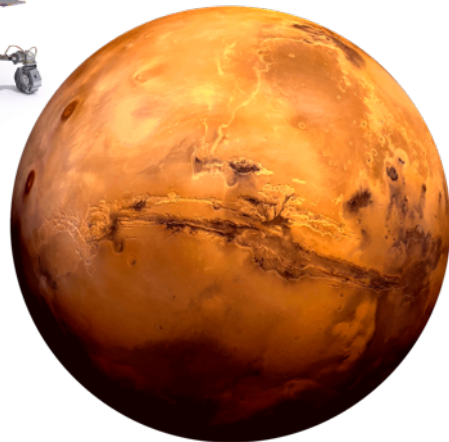
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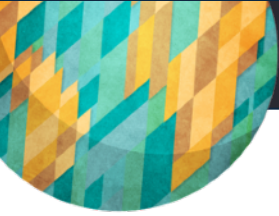


AISBL provides flexibility to adapt to changing needs of the planetary community



AISBL provides flexibility to adapt to changing needs of the planetary community





Professional Evaluation: Social scientist worked with Europlanet 2024 RI project from proposal stage

As well as metrics required for EC portal and basic Key Performance Indicators, collected

- Post-visit TA evaluation forms (197 received), follow-up forms (84) & post-visit interviews (62)
- Impact forms from TA facilities every 6 months (137)
- Winter Schools evaluations
- Interviews with services leaders (4)
- Telescope Network feedback forms and interviews (13)
- Mentorship Programme feedback forms (39) and interviews (11)
- Expert Exchange Programme interviews (7)

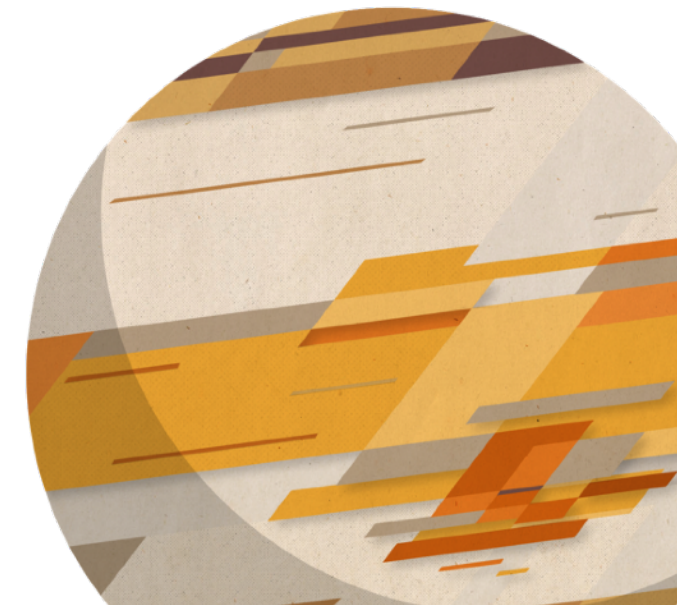


- Europlanet leads to science and collaborations that simply would not be possible without access to its facilities, equipment and expertise
- Impact for early career researchers: visits provide opportunities to build networks and carry out research that would not otherwise be available to them, thus accelerating their career development.
- Virtual observatory for planetary data, space weather, planetary mapping and machine learning tools, contributed by research groups across Europe, fill needs of community and are used internationally for data access, mission planning and operations
- Mentorship programme, Expert Exchange programme, Winter and Summer Schools and training workshops build and support the community
- An important platform for the planetary community, a collaborator for other space and astronomy

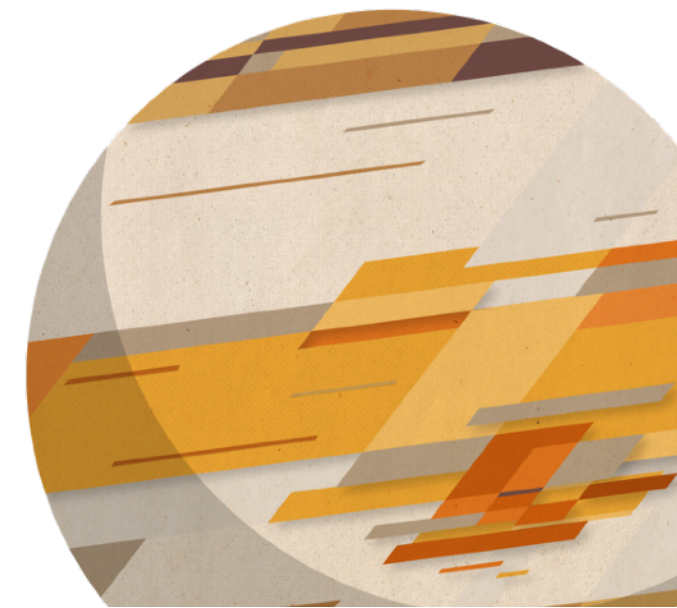


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Europlanet >> Collaboration >> Impactful Science.



- Europlanet Research Infrastructure Meeting (ERIM) held in Bratislava, Slovakia in 2023
- Brought together 250 members of the community for a hybrid meeting (120 on site) for one week
- No registration, accommodation and (capped) travel covered
- Co-hosted with early careers annual week
- Series of 59 workshops
- Roadmapping exercise throughout the week - teams tasked with addressing 10 challenges for sustainability of Europlanet
- Important step in rebuilding the community post-Covid and reactivating committees and working groups





Sustainability Proposal

Organisational Membership to Support
Continuity in Research Infrastructure Services



Europlanet General Assembly 2024

Mobility and Access

- Access to Laboratories, Field Sites and Telescopes (In-person and Virtual)
- Expert Exchanges (Travel, Accommodation and Sustenance)


Community Services

- Webinars
- Discord Community
- Stakeholder Engagement (Policy, Industry, Media, Public)
- 'Europlanet Sandbox' Proposal Brainstorming Sessions
- Community Funding Schemes
- Bursaries
- Prizes
- Internships

Training and Career Development

- Mentoring
- Early Careers Training
- Winter and Summer Schools

Organisational Members benefit from:

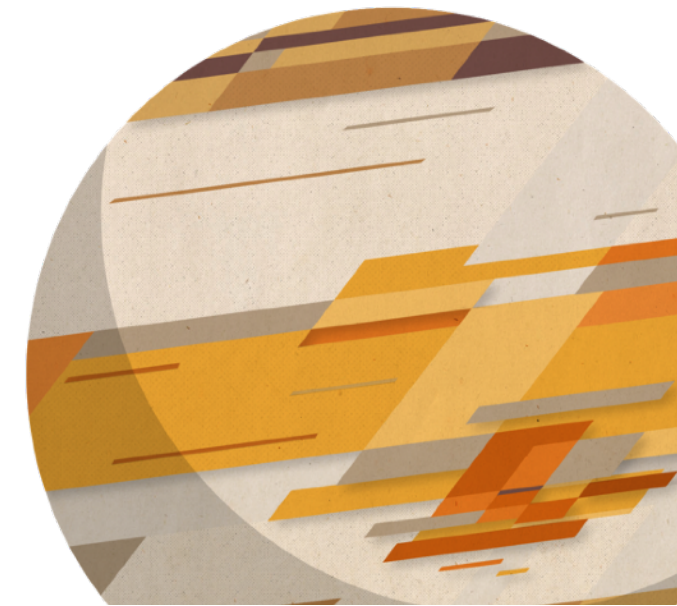
- Participation in world-class, high-impact science through a single-point entry
 - Raised profile
 - Sharing facilities, technology development and know-how
 - Expanded research networks
 - Diversification of areas of research
 - Having input into policy and strategic calls and documents
 - Participating in future Europlanet EC-funded projects as a beneficiary
 - Staff access to Europlanet training, career development and professional services
- 

Goals of FTP-Europlanet gUG

gemeinnützige Unternehmergeellschaft (haftungsbeschränkt)

- Promote of astronomy, planetary science and space exploration across Europe
- Promote educational & outreach activities related to astronomy & planetary science
- Provide Teacher training
- Provide innovative delivery of STEM in schools
- Develop research and education projects using robotic astronomy.
- Promote diverse, inclusive education in a sustainable way
- Provide media services to the astronomy and space communities
- Support engagement with amateur astronomers

Partner in Erasmus+ projects

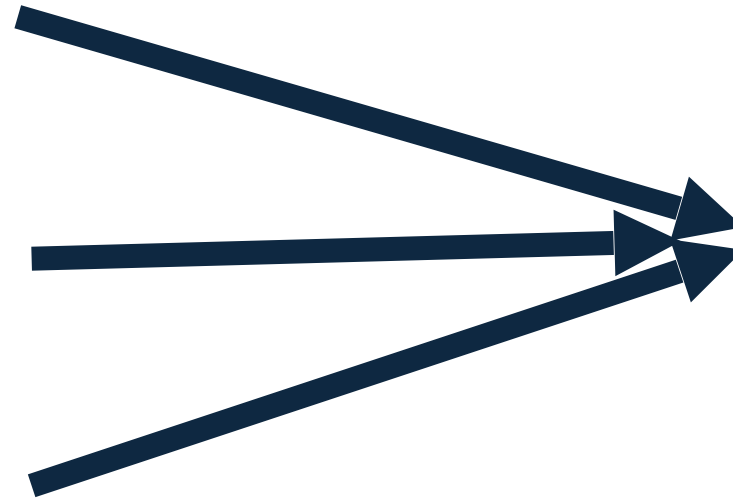




eur@PLANET
AISBL

eur@PLANET
SOCIETY

eur@PLANET 2024
Research Infrastructure



eur@PLANET

Which does what?
What am I a member of?



Very confusing!

Simplify to
generic Europlanet



Europlanet Society:



Top-level Europlanet logos (inc. Hubs and Research Infrastructure) must include this version of the Orbit of a planet Solar System element.

Europlanet Projects:



Europlanet projects and networks must include this adaptation of the main element, on the left side of the text, and in the chosen colour with a true black design within the bounds of the black box.

Europlanet Events:

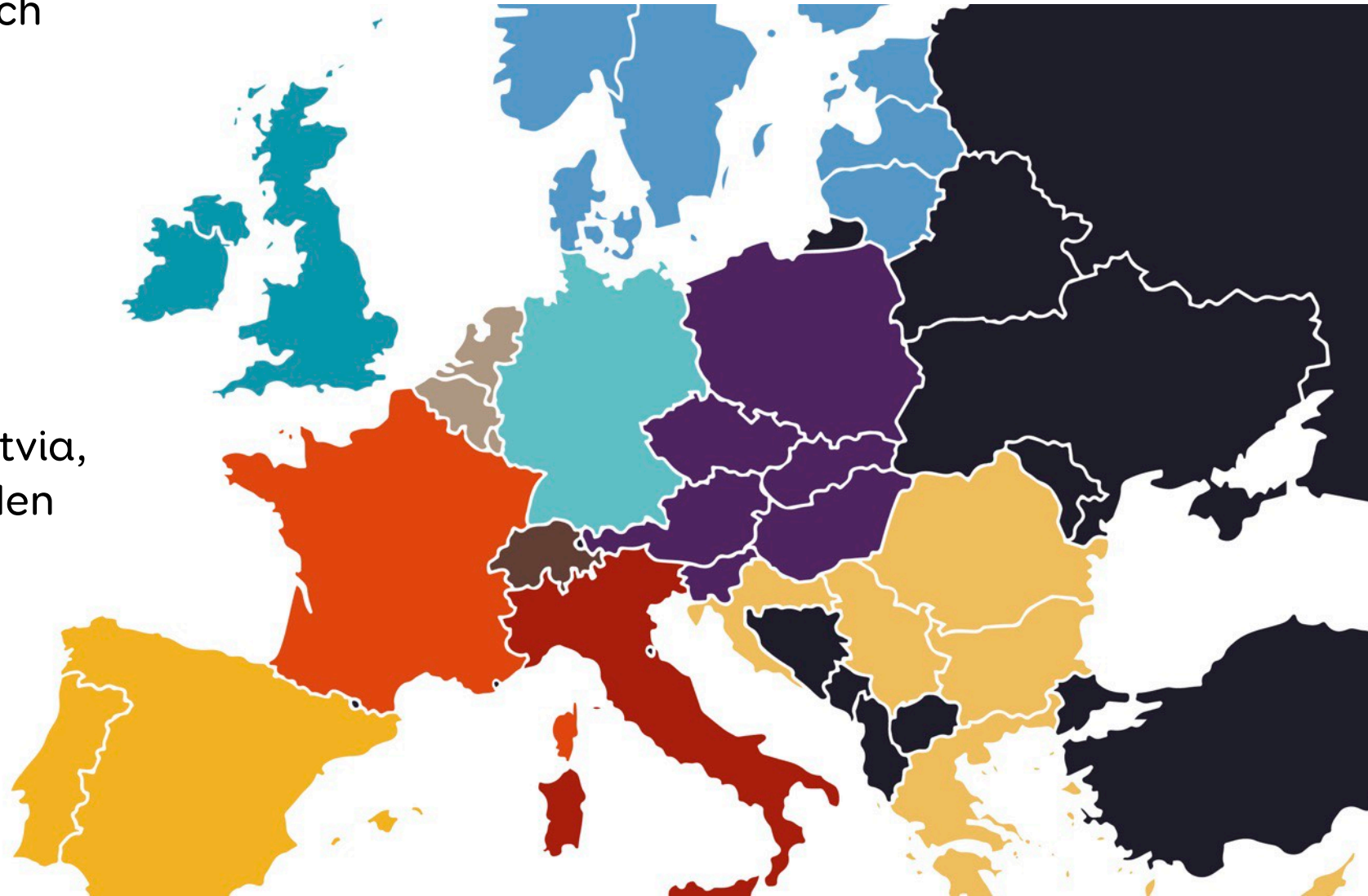


Europlanet events and conferences should use this adaptation and in 90% Black.



10 Regional Hubs:

- Benelux
- Central Europe: Austria, Czech Republic, Hungary, Poland, Slovenia and Slovakia
- France
- Germany
- Ireland and UK
- Italy
- Northern Europe: Denmark, Estonia, Finland, Iceland, Latvia, Lithuania, Norway and Sweden
- Southeast Europe: Bulgaria, Croatia, Cyprus, Greece, Romania, and Serbia
- Spain and Portugal
- Switzerland





WHAT is EPEC?

The Europlanet Early Career group is a Network led by early careers for early careers in the international Europlanet Society community

WHO is involved?

EPEC is open to all early-career planetary scientists and space professionals with a degree (e.g., MSc or PhD) obtained not more than 7 years ago.

WHY would you benefit by joining?

EPEC offers you the possibility to gain many leadership and organising skills, support in your career and more!

WHERE could you follow us?



@epec_epn



@epec.epn





Diversity



Industry & Policy



Outreach



Soapbox Science in Brussels (Benelux Hub)

Machine Learning



Salomé comic (Switzerland Hub)

Still working to fully revitalise Committees and Working Groups post Covid-19



- Sections editable by relevant committees and working groups
- Category tags to aggregate relevant content to appear in different places on site (e.g. 'Early Career' and 'Central Europe' pages)
- Sticky posts for front page or section pages
- Separate membership site with restricted resources for members only e.g. industry database, webinar recordings
- Associated Customer Relationship Management (CRM) system for managing membership information

The screenshot displays the eur@PLANET website interface. At the top, a navigation menu includes links for SOCIETY, 2024 RI, EPSC, ERIM, HUBS, DIVERSITY, EPEC, OUTREACH, POLICY & INDUSTRY, NEWS, and MEMBERSHIP. The main content area features a large banner image of a cityscape with a Ferris wheel. Below this, a sidebar on the left lists various programs: TRANSNATIONAL ACCESS, EXPERT EXCHANGE, MACHINE LEARNING, VESPA (Virtual European Space and Planetary Assets), SPIDER (Sun Planets Interactions and Dynamics on Regolith), GMAP (Geological Mapping), and EUROPLANET TELESCOPE NETWORK. The main content area contains a news article titled 'ANNOUNCEMENT OF VENUES FOR EPSC 2026 AND 2027' dated SEPTEMBER 10, 2024. Below this is another news section titled 'NEWS & EVENTS' with a featured article 'CALL FOR APPLICATIONS FOR EUROPLANET EARLY CAREER (EPEC) COMMITTEE CO-CHAIR' dated OCTOBER 25, 2024. The article text states: 'With the exponential growth in EPEC activities across EPEC working groups since its launch and with the term of our current EPEC committee Co-Chairs ending, the EPEC committee is looking for one elected Committee Co-Chair for the next term to help sustain the Committee activities. The term of...'. Below the article is a photo of Johanna Burger, a member of the EPEC Communication Working Group, with a caption: 'Europlanet Early Career Network (EPEC) EPEC PROFILES - JOHANNA BURGER'. The date is JULY 15, 2024. The article text continues: 'EPEC Profiles - Johanna Burger In this series from the EPEC Communication Working Group, we meet members of the Europlanet Early Career (EPEC) community and find out more about their experiences...'. At the bottom right, there is a logo for EPEC (European Early Career Network) and a section titled 'Europlanet Early Career (EPEC) Network' with introductory text: 'The Europlanet Early Career (EPEC) network is comprised of early-career researchers, for early-career researchers, and industry professionals across the Europlanet network...'. It also lists the main objectives of EPEC: 'One of the main objectives of EPEC is to form a strong network between young professionals by organising early-career-relevant events and by engaging in different projects amongst the different working groups...'. At the very bottom, there is a link: 'EPEC web: offisaki.ku.edu.tr/epsc2027 in Riga. Check out the latest EPEC news and activities.'



- Regular updates via newsletter - lists for members only and wider community
- Magazine published 1-2 times per year for more in-depth features and follow-ups
 - Showcase for the community
 - Impact case studies
 - Print copies distributed at EPSC and other key meetings



Europlanet
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Intro
The Europlanet Society promotes the advancement of European planetary science

- Page · Community
- media@europlanet-society.org
- europlanet-society.org
- Not yet rated (1 reviews)

Photos See All Photos

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Science, technology and engineering
The Europlanet Society promotes the advancement of European planetary science
Supported by Horizon EU Europlanet 20... more
www.europlanet-society.org

TA GMAP VESPA TelescopeN... Machine Le... SPIDER

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EUROPLANET SCIENCE CONGRESS 2024 BYSTANDER INTERVENTION WORKSHOP

EUROPLANET SCIENCE CONGRESS 2024 PRINT YOUR POSTER!

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RESEARCH INFRASTRUCTURES IN EUROPE DEVELOPMENT, SUSTAINABILITY AND INCLUSION

18 SEPTEMBER 2024 10-18 CEST

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Europlanet Society
Promoting the advancement of European planetary science for the benefit of the community and society.

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Europlanet links research institutions and companies active in planetary science in Europe and around the world; planetary science being the study of planets in our solar system and those around other stars. It is an interdisciplinary field of research that covers astronomy ... see more

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- Editable resources for marketing, outreach and education
- Translated by hubs and available on website for download
- Digital and print versions
- Stickers, pins etc

Regional Hubs
Europlanet's 19 Regional Hubs organise networking events and workshops. They support the community by building links with the regional scientific communities, as well as amateur astronomers, industry partners and policymakers.
bit.ly/EuroplanetRegionalHubs

Beneath
Central Europe
France
Iceland & UK
Italy
Netherlands
Northwest Europe
Spain & Portugal
Switzerland

Europlanet Early Career (EPEC) Network
EPEC is an active network organised by early-career researchers for early-career researchers.
Activities include:
• Training and workshops at EPEC Annual Week and EPSC
• EPEC community on Discord and social media
• Strategy to Space Podcast
• Outreach
• Representing the early career voice in Europlanet
bit.ly/EuroplanetEarlyCareer

Europlanet Science Congress (EPSC)
The Europlanet Science Congress (EPSC), established in 2006, is the largest planetary science meeting in Europe and regularly attracts around 1500 participants. The EPSC programme covers the entire range of planetary sciences with an excellent mix of talks, workshops and poster sessions.
www.europlanet-society.org/epsc/

EPEC
Europlanet Early Career

Individual Memberships
Individuals can join Europlanet to access all its programmes, including discounted rates for EPSC.
Student: Researcher and Industry Professional: 50€/Year - Regular: 25€/Year - Under-represented States (URS)*
Reduced: Early Career, Retired, Amateur and Outreach Provider/Observer: 25€/Year - Regular: 15€/Year URS*
Packages: Institutions can pay for group packages of individual memberships.
bit.ly/JoinEuroplanet

Community Services
• National
• Discard Community
• Stakeholder Engagement (Policy, Industry, Media, Public)
• European Gender/Proposal Brainstorming Sessions

Training and Career Development
• Mentoring
• Early Career Training
• Winter and Summer Schools
Find out more on our website!

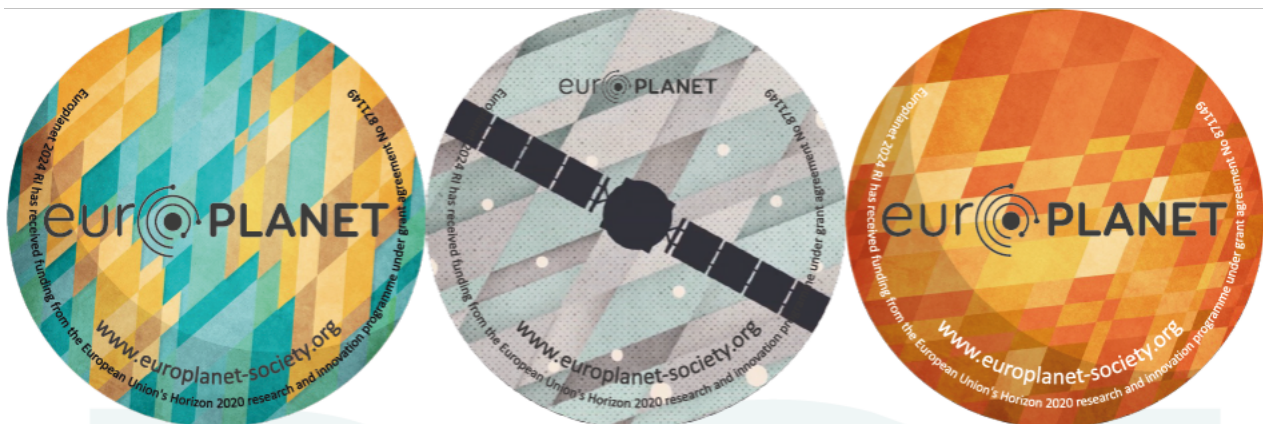
Join us
Individual and organisational members can access Europlanet's programmes and services

About eur PLANET
Europlanet is a not-for-profit association that offers access to research infrastructure and services for the planetary community. Its programmes have been developed and approved over nearly 20 years through European Commission funding. From 2024, Europlanet is a sustainable, self-funding organisation.

How it Works
We are financed through:
• Community subscriptions
• Organisational memberships
• Individual memberships
• Institutional membership packages
Income from the annual Europlanet Science Congress (EPSC):
• Fees
• Sponsoring and sponsorship

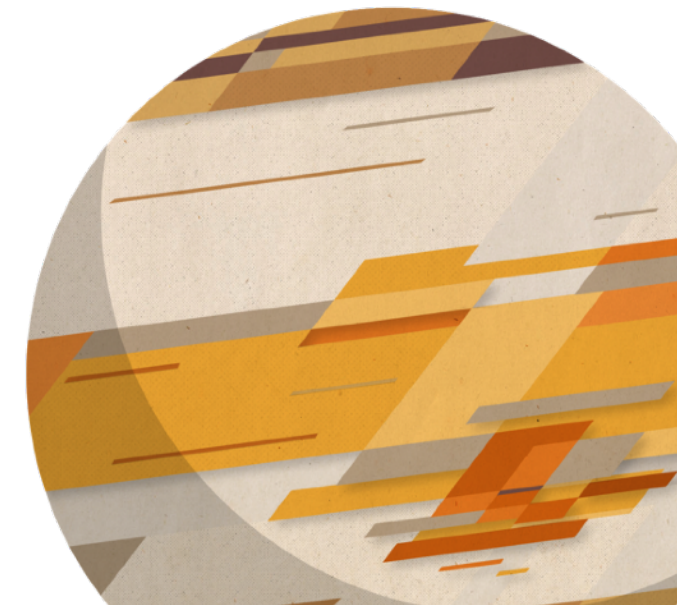
Category	Description	Cost
Tier 1	Large research organisations	€10,000.00
Tier 2	Institutions	€2,500.00
Tier 2 URS	URIS Institutions	€1,250.00
Tier 3	Amateur Society	€500.00

bit.ly/JoinEuroplanet *See website for a list of URS countries





- Public and private channels/forums for different committees, working groups and thematic areas
- Weekly get togethers
- Permissions to allow non-members to access certain spaces but retain overall membership benefit
- Proving most successful platform tried to date in building community and generating engagement and discussion



- Europlanet offers a unique programme of access to facilities and services for the international planetary community
- The networking and collaboration aspects are key to high impact science and building the community
- Regional Hubs are important for engaging local and regional communities

- Face-to-face aspect is important in maintaining sense of community, recruiting volunteers and engaging hard-to-reach participants
- Need a suite of tools (with regular reviews) to engage the community. Platforms like Discord can be very useful



eur@PLANET

Questions?



aheward@euromplanet-society.org

www.euromplanet-society.org