Reference:

R. Findlay, *Introduction and Welcome,* 7th ESA REACH Workshop, ESA ESTEC, Noordwijk, the Netherlands, 2nd June 2026

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7th ESA REACH workshop – introduction & welcome

Ross Findlay
Head of Sustainability Engineering & Standards Section

02/06/2026

EUROPEAN SPACE AGENCY

ELEVATING THE FUTURE OF EUROPE IN SPACE

THROUGH EUROPEAN COOPERATION AND WITH INTERNATIONAL PARTNERS

23
MEMBER STATES

4 associate members
1 cooperating state

6500
IMPLEMENTS

ESA
WORKFORCE

60%
OF THE EUROPEAN SPACE BUDGET

150+ missions delivered
30+ missions upcoming

€8.26B
2026 BUDGET

€15
per European

€1.7B

For R&D and Technology

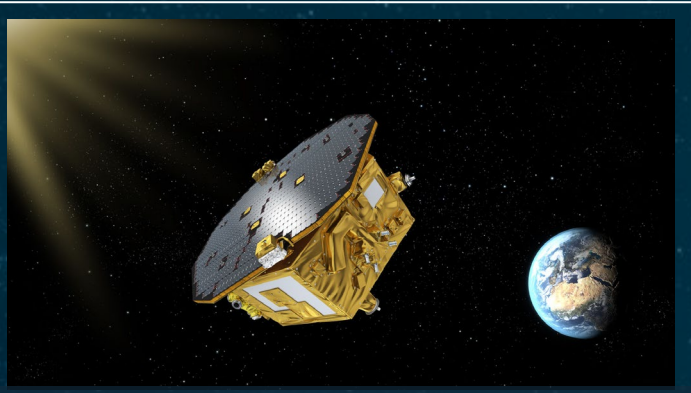
ESA'S TECHNICAL HEART

ESTEC - the European Space Research and Technology Centre in Noordwijk, the Netherlands is the incubator for European space mission. Most ESA projects are *born* here and are guided through the various phases of development from here.

ESTEC

Deep Tech Technologies on ESA Missions

Rosetta
Autonomous Navigation



LISA
Picometer Laser Interferometry

Galileo
Quantum effects clocks

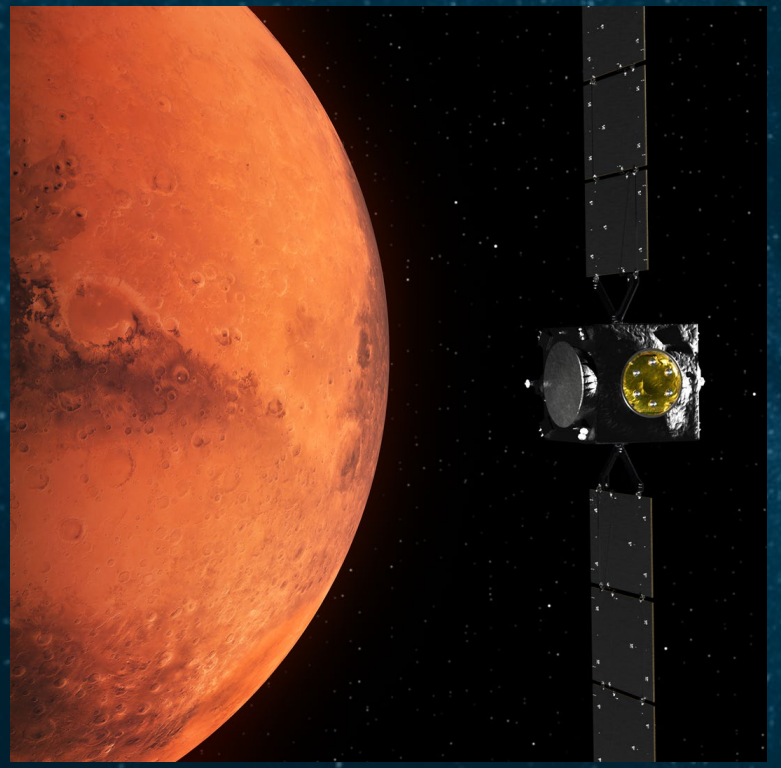
PROBA 3
Autonomous flying Navigation

PLATO
Distributed Optical Systems

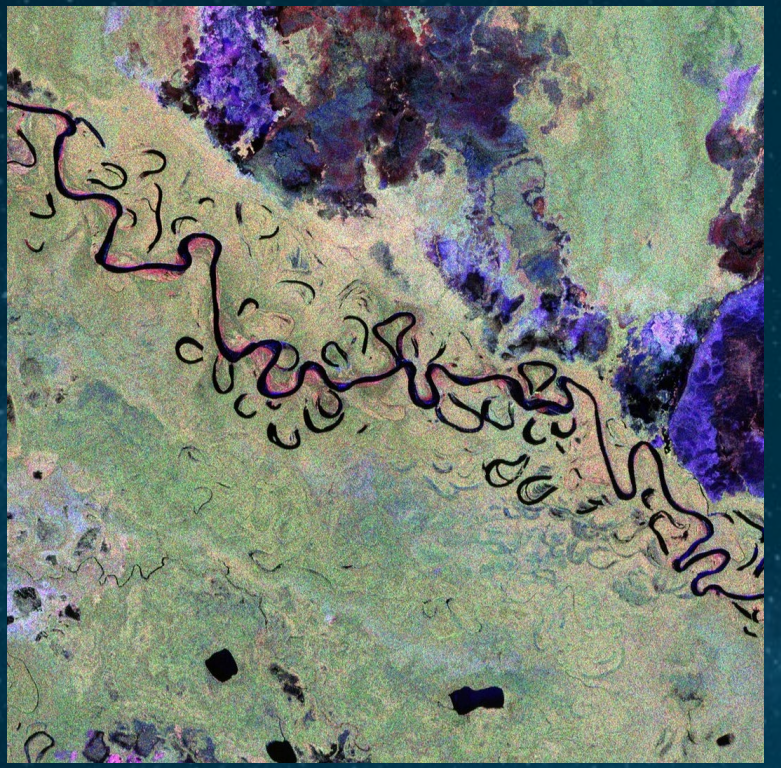
2025: A remarkable year for Europe in Space

Missions in progress and discoveries

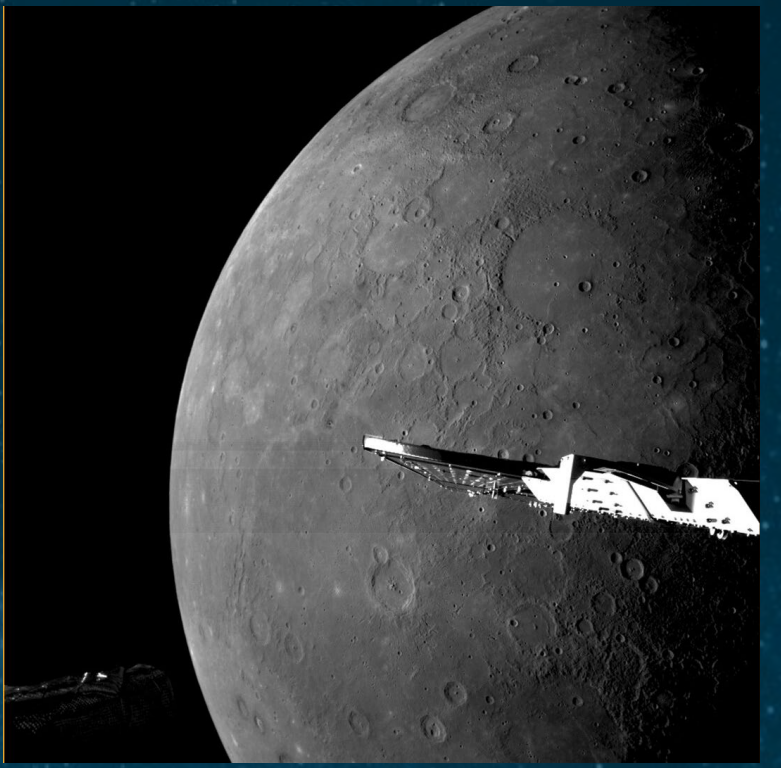
s



Hera Mars flyby



Biomass first images



BepiColombo's sixth Mercury flyby

2026: ESA's busiest ever year is well underway

Up to

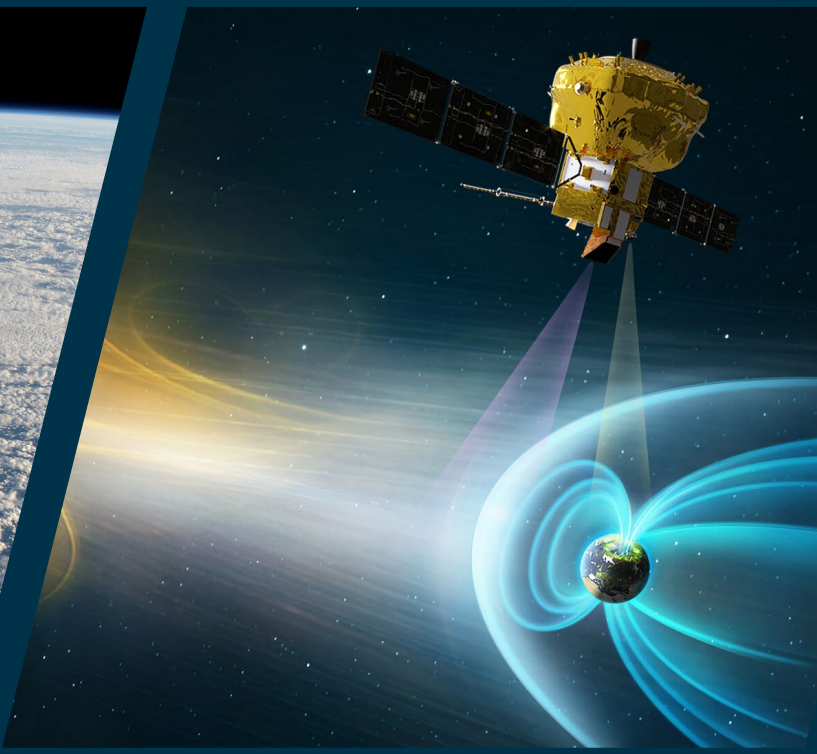
65

New ESA missions and satellites launching in 2026

30+

Already launched

Artemis II - European Service Module (ESM)
1 April



SMILE
19 May

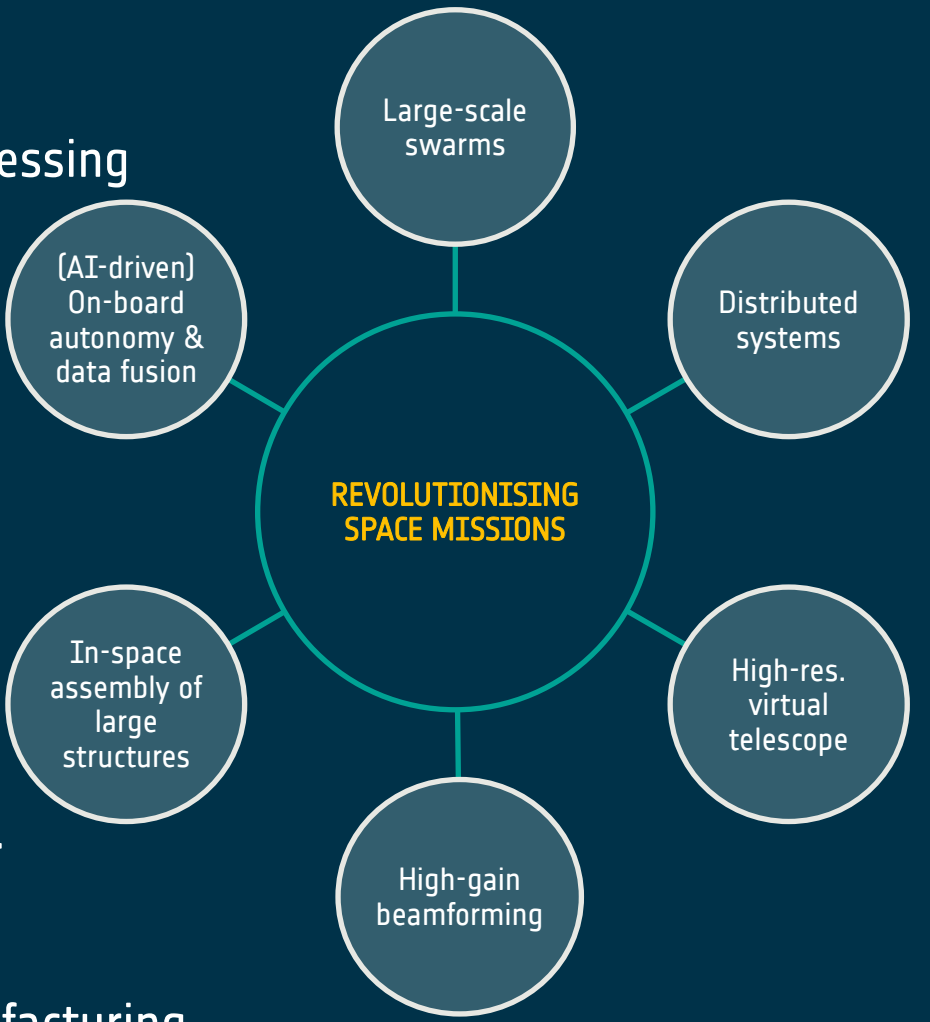
ESA STRATEGY 2040

ESA has defined 5 encompassing goals, each with corresponding objectives and concrete strategic actions, to chart a path forward for Europe in space

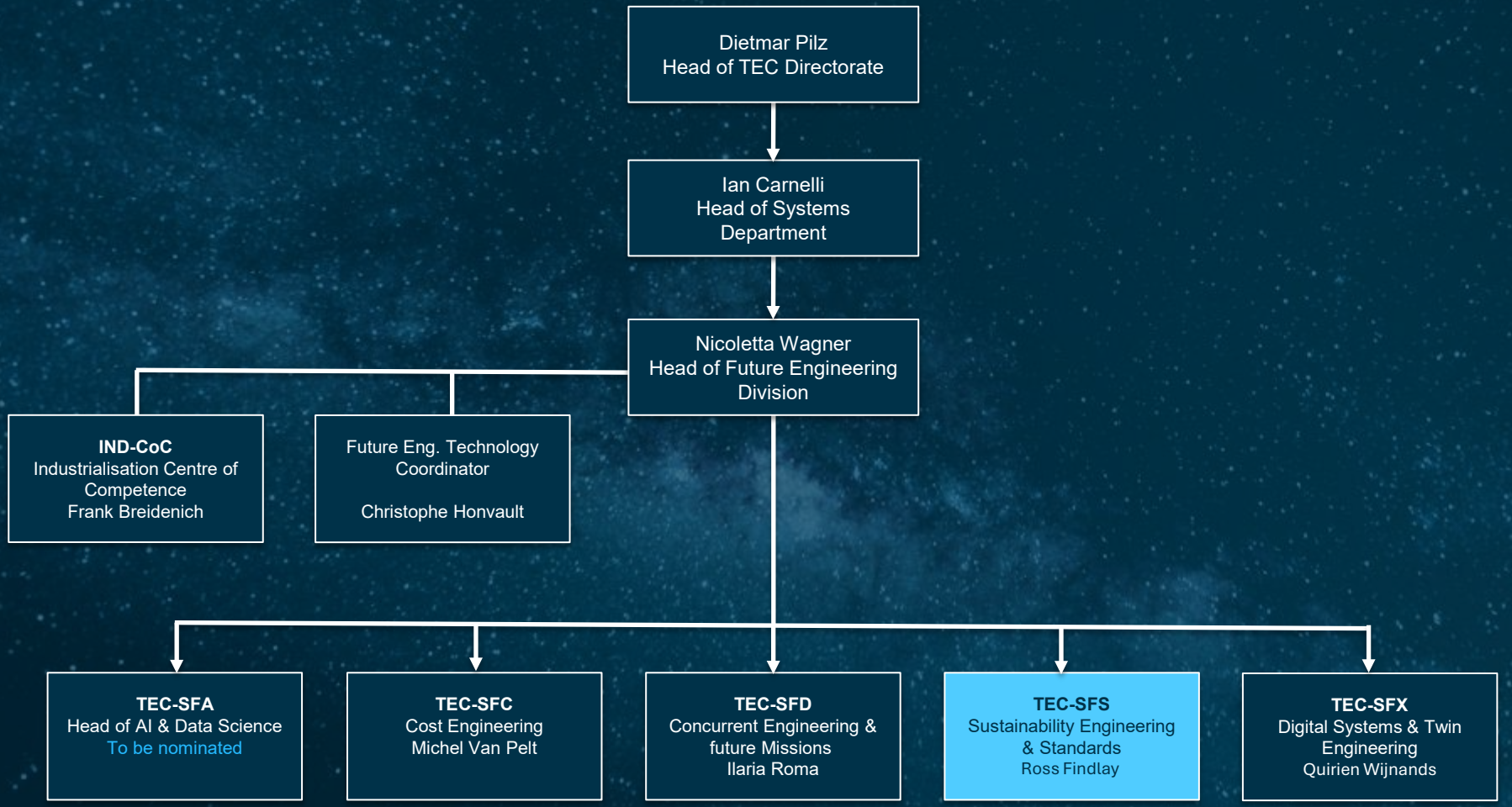
Technology Vision 2040

Key Technologies

- AI-based planning/ controlling/ processing
- Low Energy / High-data processing
- Photonics and Sensing
- Quantum Technologies
- Robotics for very large structures
- Material Physics
- Vision/event-based navigation
- Systems of Systems of Systems of …
- Innovative & Green Propulsion
- Advanced and In-situ Additive Manufacturing



REACH within ESA



TEC-SFS: Space Sustainability Engineering & Standards

REACH

Provide leadership and guidance on **REACH regulation** compliance and related regulatory risks.

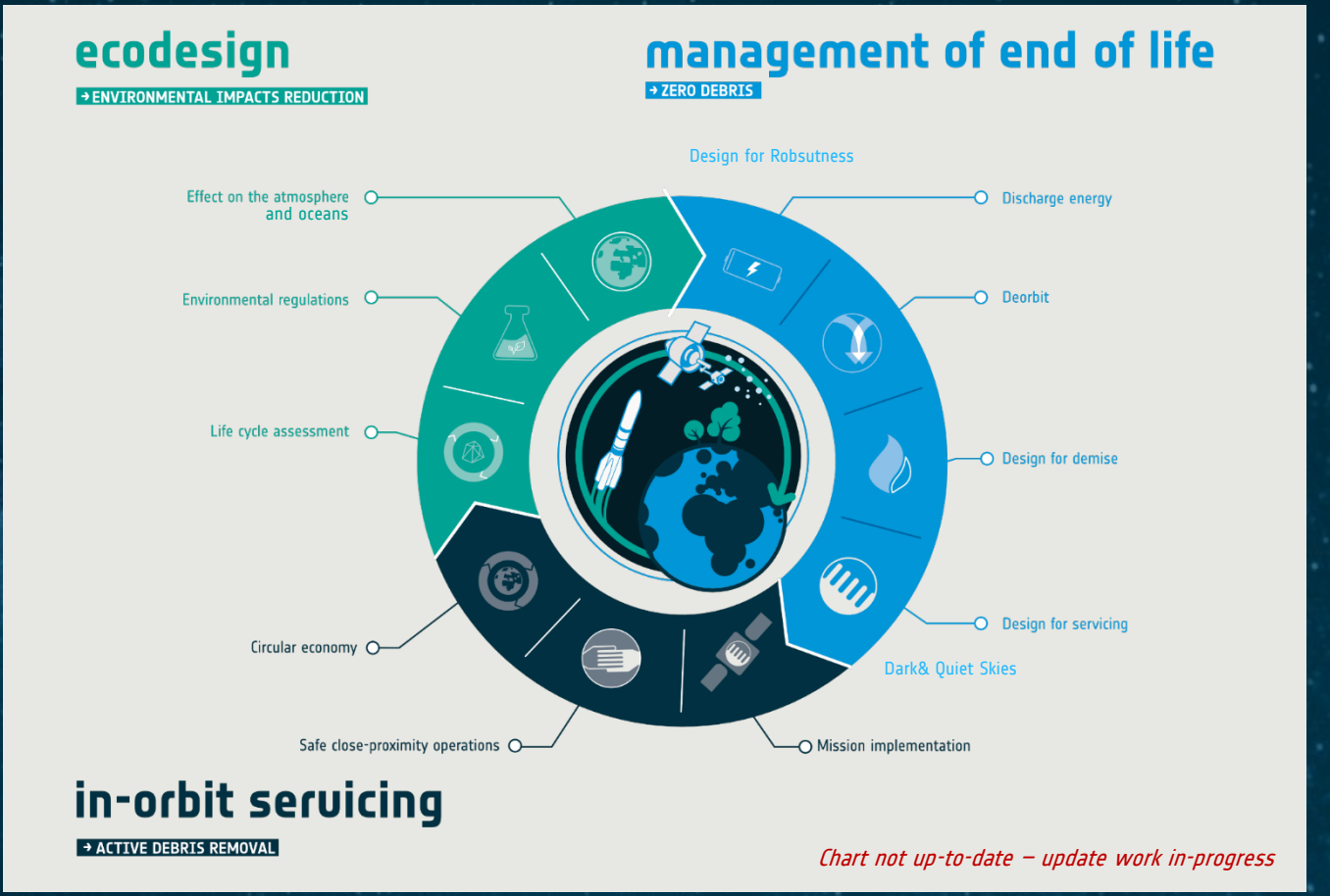
SUSTAINABLE INDUSTRIALISATION

Targeting joint reductions in sustainability and cost targets, reducing energy consumption *(current focus on launchers)*

STANDARDS

Leadership and management of Agency standardisation activities (including ECSS, CCSDS, ISO, etc)

As part of ESA Clean Space:



Produced by

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Ross Findlay

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