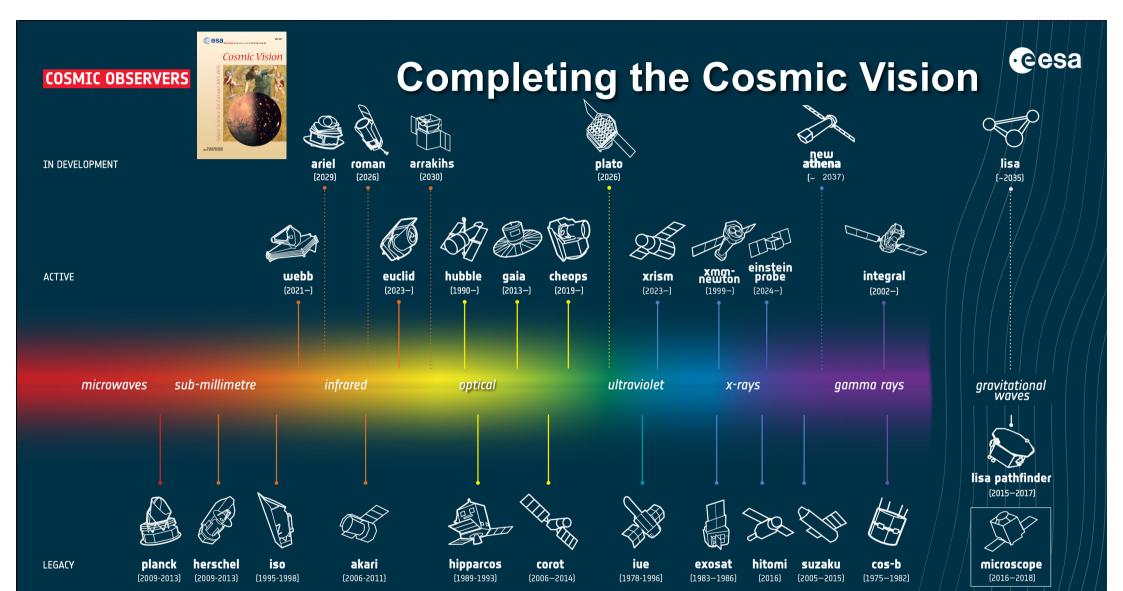


eesa Cosmic Vision **Completing the Cosmic Vision SOLAR SYSTEM** martian moons exploration comet interceptor envision smile IN DEVELOPMENT mars express bepicolombo cluster ACTIVE [2009-] [1995-] [2006-] [2013-] [2018-] (2000-) (2003–) (2016-)(2023–) oeimo, (2003–2008) (2003–2006) (2008–2009) (2007–2009) **double star smart-1 chandrayaan-1 chang'e 1** ulysses cassini-huyqens LEGACY

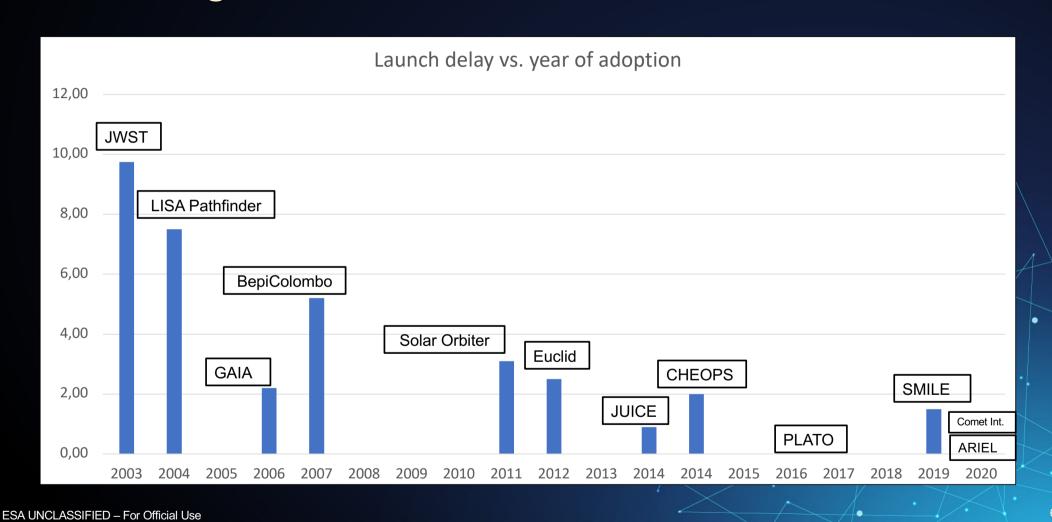




Science Programme – Performance Over Time



→ THE EUROPEAN SPACE AGENCY

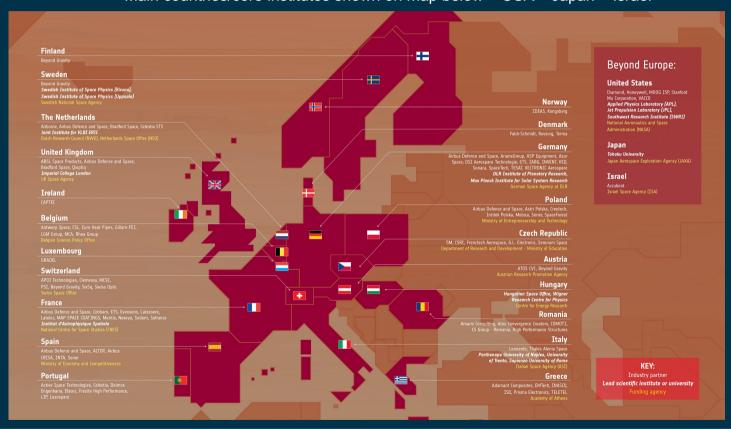




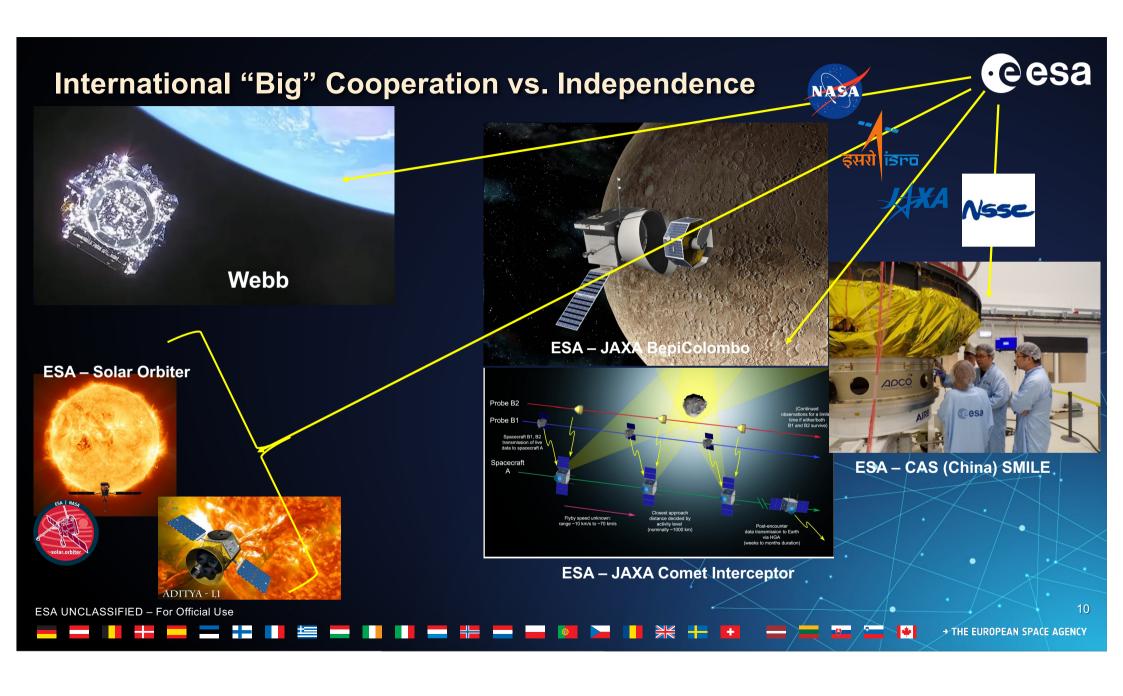
JUICE: mission study-development-management A European-led initiative with world-wide participation and impact



300+ official Co-Investigators.
~ 500 Associates, Early Career Scientists, etc.
Main countries/core institutes shown on map below + USA + Japan + Israel









Scientific Programme Long-term Vision



Cornerstone missions: SOHO; Cluster/Cluster II; XMM-Newton; Rosetta; Herschel Medium-sized missions: Huygens (Cassini); INTEGRAL; Planck



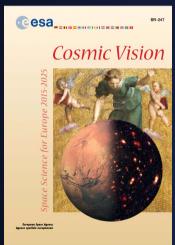
1984



1995



E.g.: Gaia; LISA Pathfinder; BepiColombo



L-class missions: JUICE; LISA; NewAthena M-class missions: Solar Orbiter: Euclid; PLATO; Ariel; EnVision S/F-class missions: CHEOPS; Comet Interceptor; Arrakihs ESA-CAS mission: SMILE



202/1

2005

→ THE EUROPEAN SPACE AGENCY



Offer from the Science Programme and MSs strategic priorities



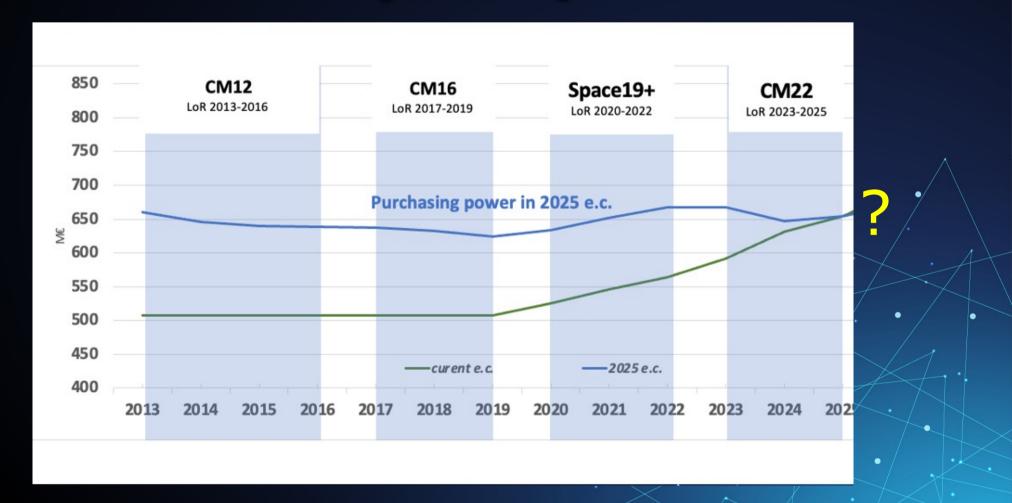






Past evolution of Science Programme budget







Completing the Cosmic Vision Cesa





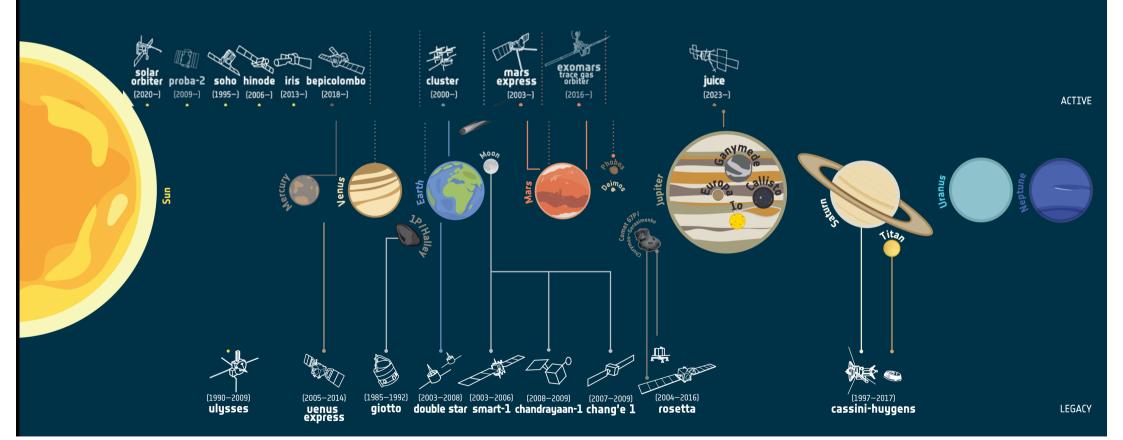








IN DEVELOPMENT



Landscape in mid-2030s **COSMIC OBSERVERS**

Completing the Cosmic Vision Gesa

IN DEVELOPMENT

ACTIVE





(2021 -)



[1990-]



(2013-)(2019-)



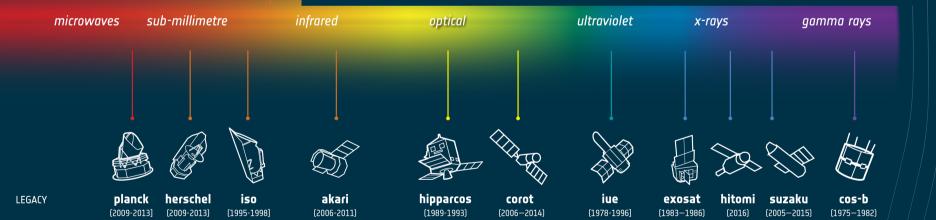
[2030]



(2023 -)[1999-]







gravitational

[~2035]



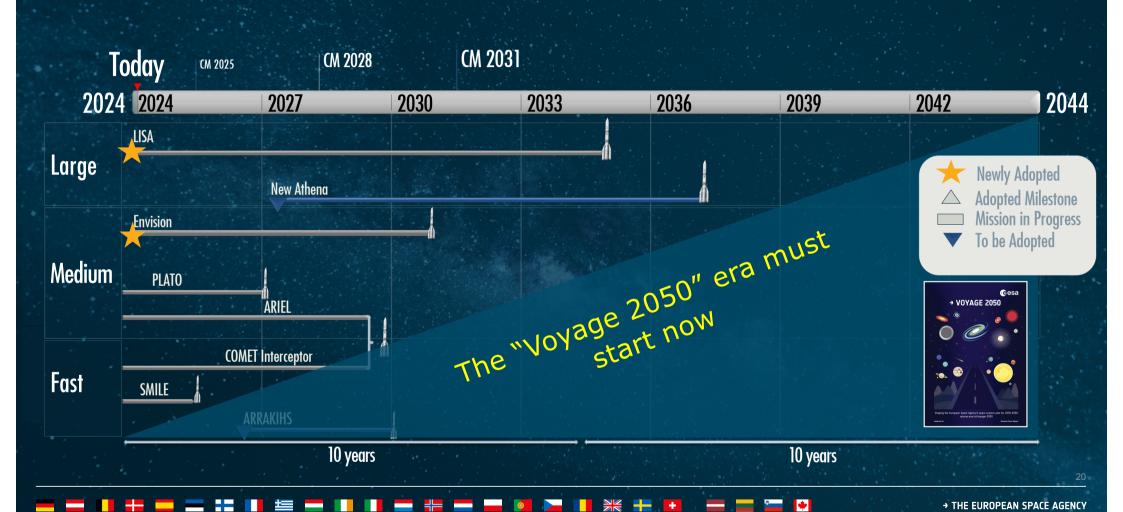
lisa pathfinder (2015-2017)

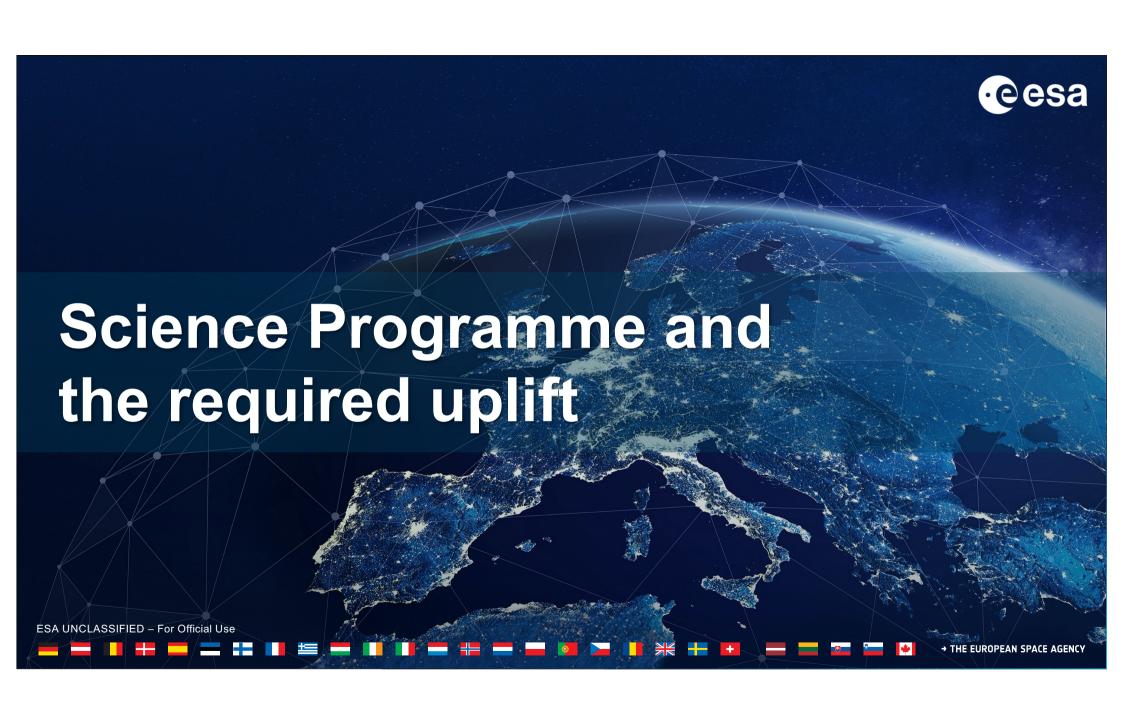


microscope (2016-2018)

Completing the Cosmic Vision and Starting the Voyage2050







Building the Future Now: diversity – inclusiveness – transparency





Critical Messages



- The Conclusion of the Cosmic Vision and the start of the Voyage 2050
 - ✓ a modern, ambitious programme spanning a range of community-driven science themes and breaking new technology barriers
 - ✓ now!
 - ✓ narrow the gap between "Cosmic Vision" and "Voyage2050"
 - ✓ stability and strength

Need of an uplift of purchasing power of the Science Programme for the next 3 CMins



