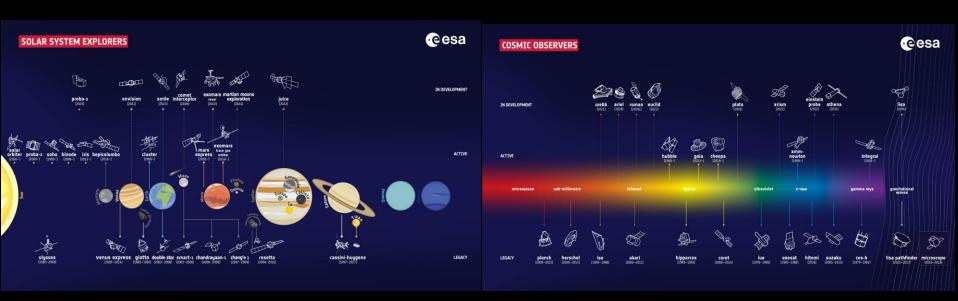
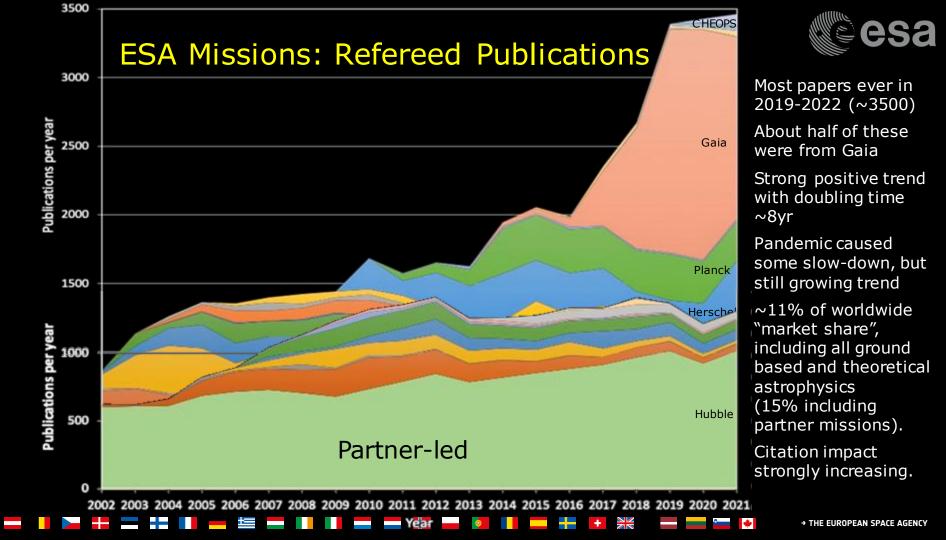


#### ESA Scientific Programme Fleet

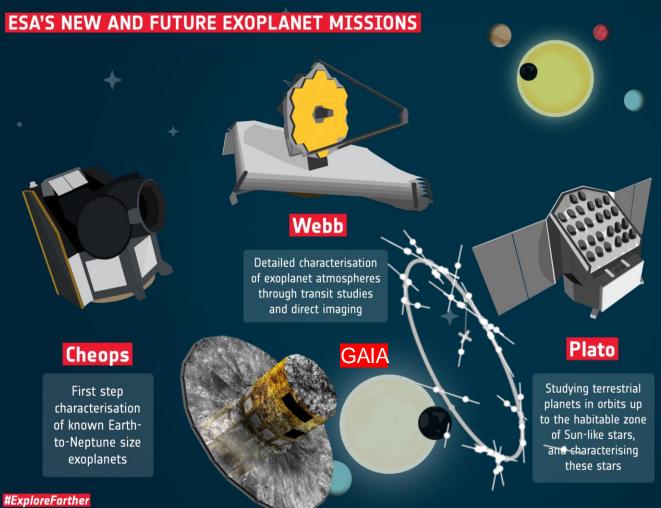




15 missions in orbit; 15 missions in preparation; 22 in legacy phase ... standing on the shoulders of giants! ... Large majority of these missions is done in international cooperation











#### Ariel

Performing a chemical census of a large and diverse sample of exoplanets by analysing their atmospheres



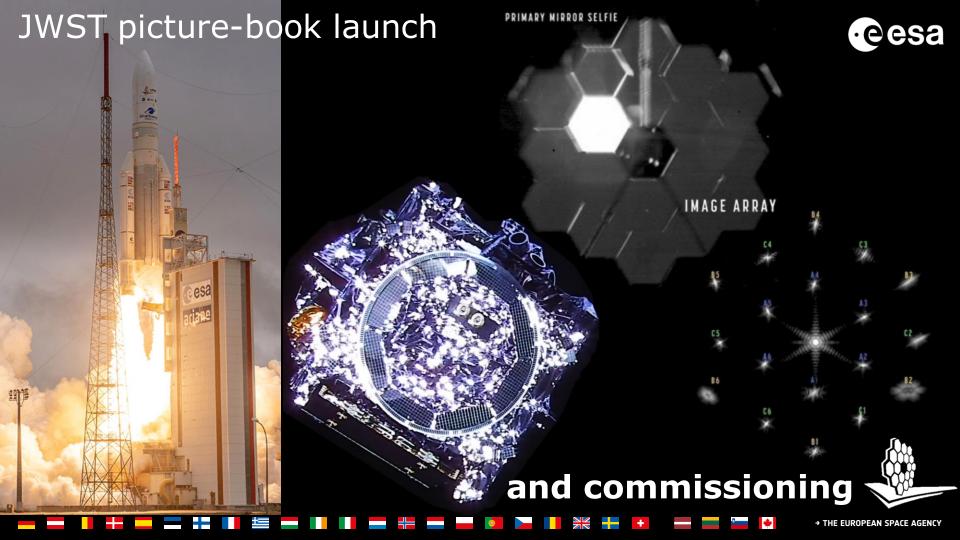
# Gaia unravels star formation on the Local Bubble



Local Bubble

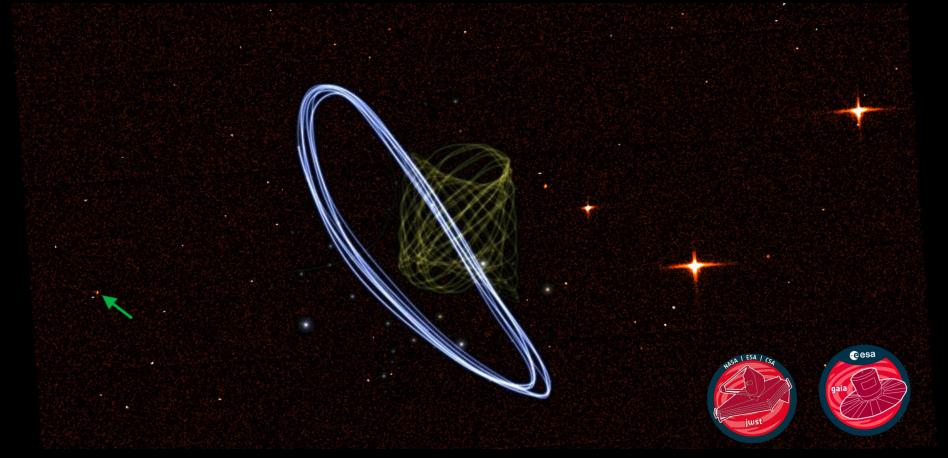
Sun





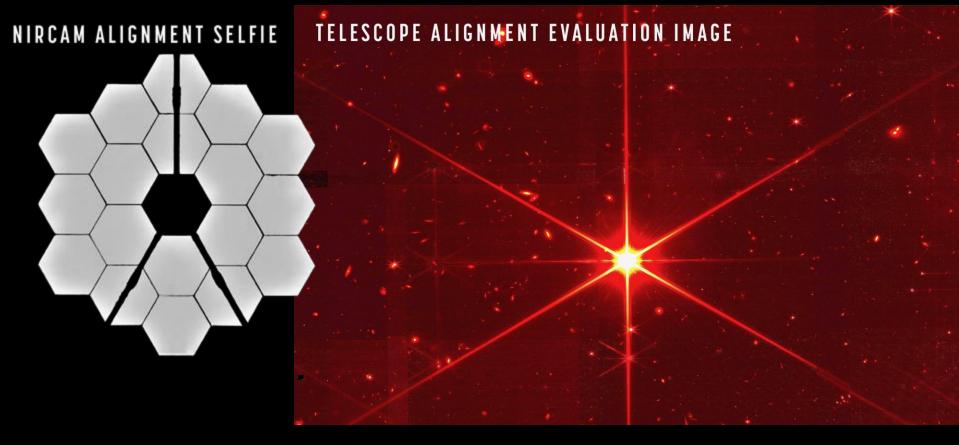
## Gaia snaps a picture of Webb





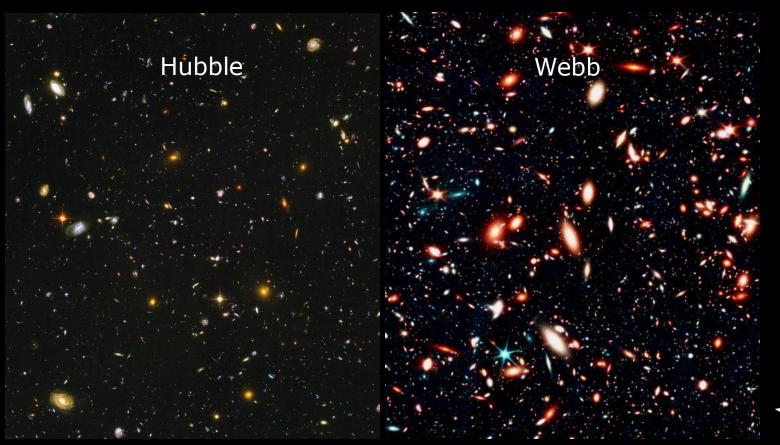
## JWST Alignment Image





### Diving into the early Universe – Hubble / Webb







JWST Ariane 5 upper stage

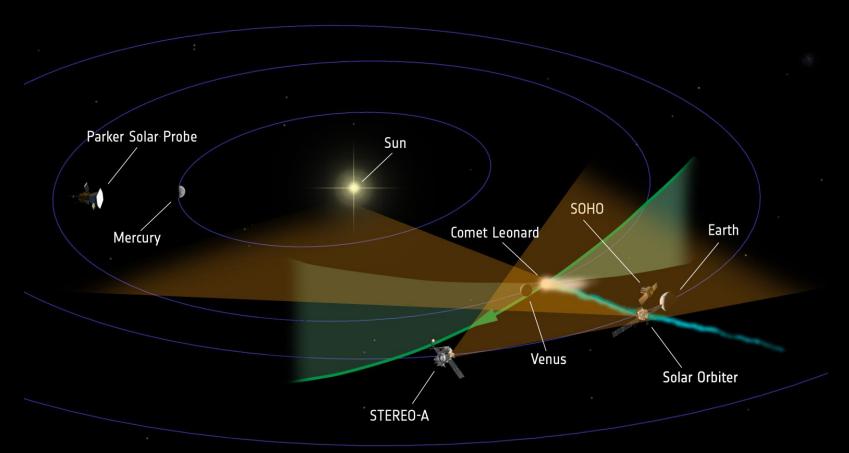
Comet Leonard C/2021 A1

Observed from Thailand Doi Inthanon National Park

Matipon Tangmatitham (NARIT)

### Solar Orbiter flies through tail of Comet Leonard

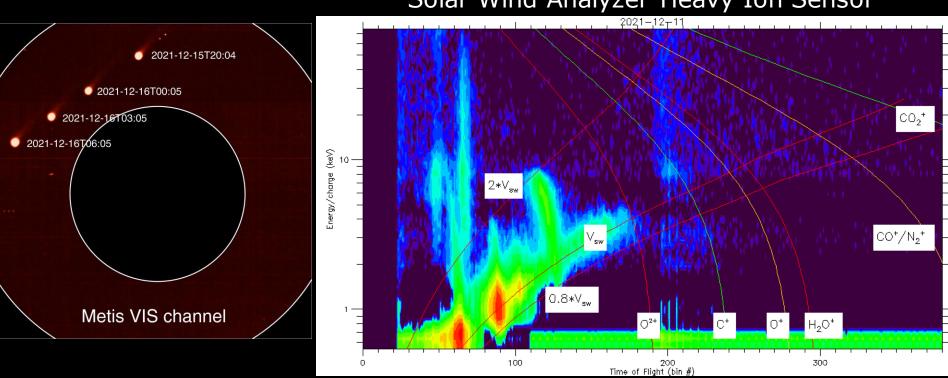




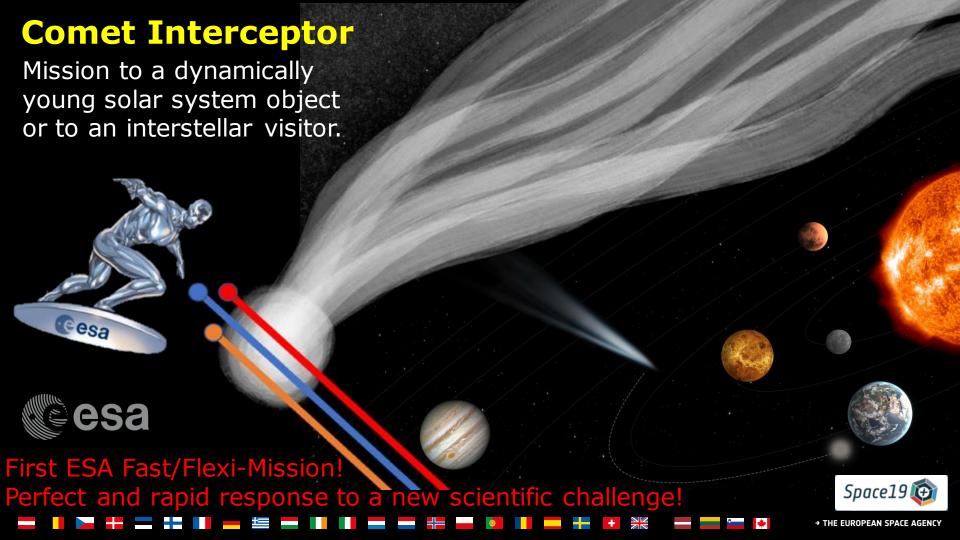
#### Solar Orbiter samples cometary tail material



#### Solar Wind Analyzer Heavy Ion Sensor



Carbon, Oxygen, Nitrogen etc. discovered!





# A mission to the moons of Jupiter or Saturneesa

The ambitious next destination for the Science Programme

A competitively selected team of European scientists has started to define the first "Large" mission of Voyage 2050...

... also look into much more ambitious mission profiles, paving the way for the *Icy Moons Sample Return Inspirator* 



