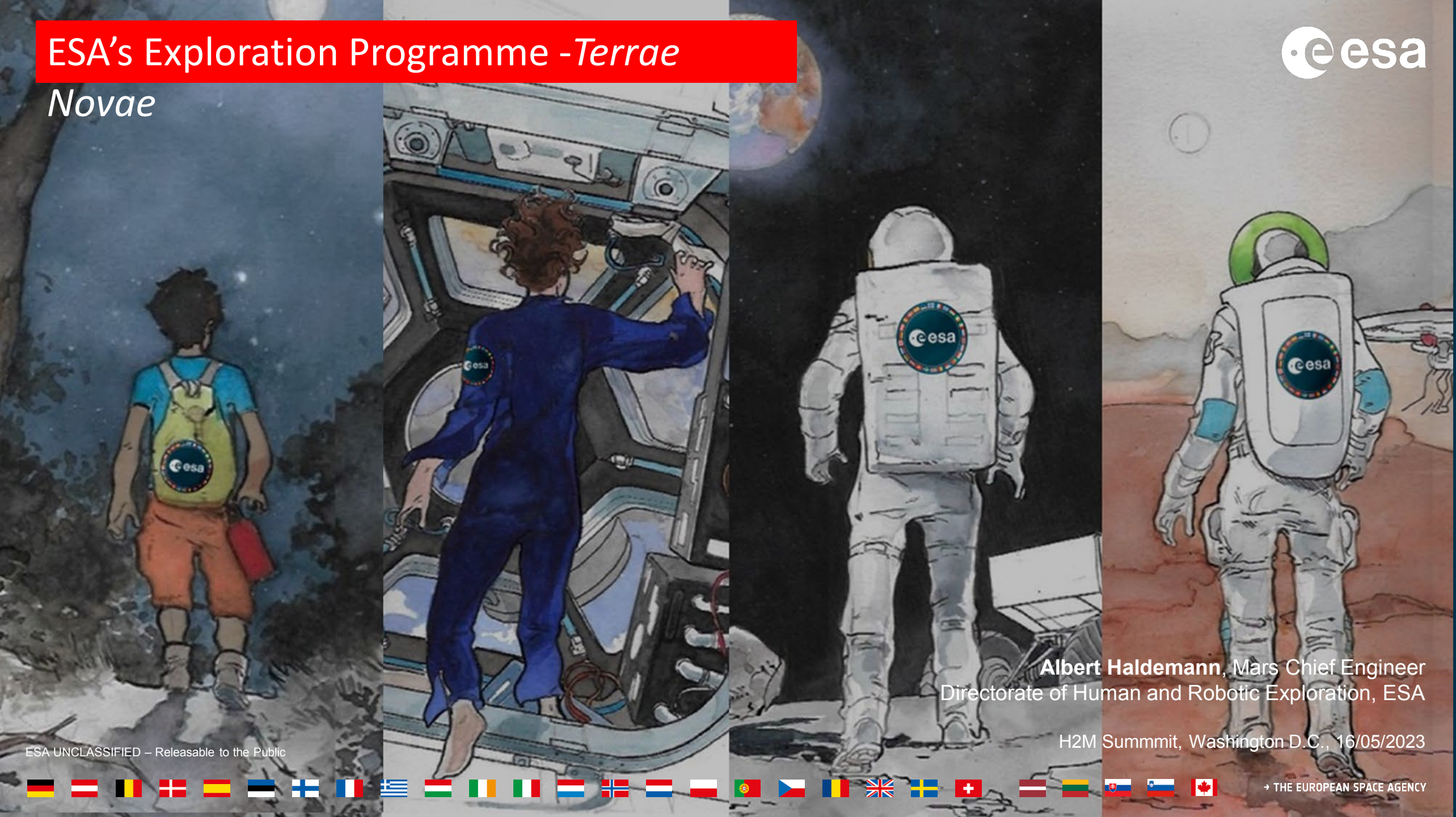


# ESA's Exploration Programme -*Terrae*

## *Novae*



**Albert Haldemann**, Mars Chief Engineer  
Directorate of Human and Robotic Exploration, ESA

H2M Summit, Washington D.C., 16/05/2023

ESA UNCLASSIFIED – Releasable to the Public



→ THE EUROPEAN SPACE AGENCY



Knowledge



Economy



Inspiration



Global Cooperation and challenges

## Commercialisation as a cross-cutting theme

### ExPeRT

Mission  
studies and  
mid-TRL  
technology

### Cornerstone #1

Humans in LEO

### Cornerstone #2

Humans beyond LEO

### Cornerstone #4

Mars robotic exploration

### Cornerstone #3

Moon robotic exploration

### SciSpaceE

Science in the  
space  
environment

# THE MASTER PLAN TODAY

