Let's talk about the future ...
We need, between other things, In-Situ Resource Utilization Instruments.
In-Situ Resource Utilization (ISRU)

Needed for Potential Future Human Exploration
• Decreases mission cost
• Increases payload capacity
• Increases surface access
• Reduces mission and crew risk
• Extends mission

Besides its fundamental interest for the existence of present-day life, water on Mars can be used for greenhouse and human support and it can also be used to produce critical resources such as \( \text{O}_2, \text{H}_2, \text{CH}_4 \) etc through reactions like Electrolysis, Sabatier, Reverse Water Gas Shift.
We need, between other things, In-Situ Resource Utilization Instruments
PanCam – The Panoramic Camera
ISEM – Infrared Spectrometer for ExoMars
CLUPI – Close – UP Imager
Ma_MISS – Mars Multispectral Imager for Subsurface Studies
MicroOmega: A visible plus infrared imaging spectrometer for mineralogy studies on Martian sample
LaRa: Lander Radioscience experiment, will reveal details of the internal structure of Mars
HABIT: ISRU instrument and Met Station

RLS – Raman Spectrometer (minerals and organic pigments)
MOMA – Mars Organic Molecule Analyser
HABIT – Habitability of the environment and liquid brine formation

WISDOM – Water Ice and Subsurface Deposit Observation On Mars
ADRON: To search for subsurface water and hydrated minerals
HABIT (HabitAbility: Brines, Irradiation, and Temperature) for ExoMars

The first European ISRU instrument
Thank you very much!