

## Destination : Elysium Planitia

A landing area on which will depend the Insight mission success.

### Selection criteria of the landing site:

A weak slope located around the equator to optimise the power produced by the solar panels.

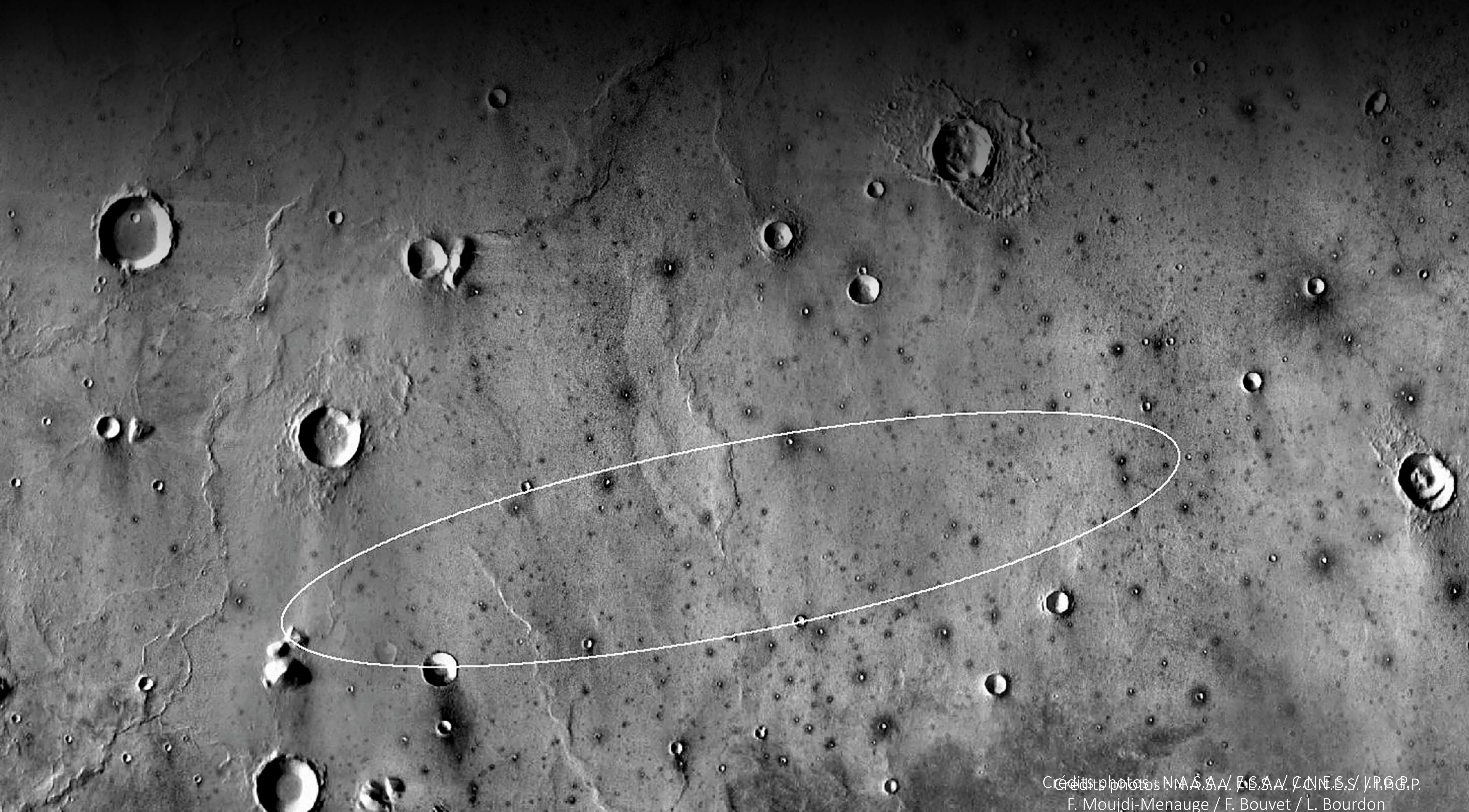
A flat and weakly rugged surface and a soft soil to facilitate the HP3 probe penetration from 3 to 5 meters.

Elysium Planitia  
longitude : 135,9° E  
latitude : 4,5° N

HiRISE (High-Resolution Imaging Science Experiment) flying aboard NASA's Mars Reconnaissance Orbiter (MRO) is the largest telescopic instrument ever sent beyond Earth's orbit and has been an indispensable instrument to help in the selection of landing sites on Mars.

HiRISE took about 15 pictures of potential landing sites.

The landing ellipse is about 130 meters long and about 27 km wide, covering an area where Insight has 90% chance of landing



Credits photos: NASA / ESA / CNES / JPL / C.P.P.  
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