



Hope Probe

The **United Arab Emirates (UAE)** has announced that it will launch the '**Hope Probe**', the **Arab world's first spacecraft** to **Mars**, in July 2020.

- The space programme, also known as the **Emirates Mars Mission (EMM)**, aims at collecting information on Mars, meteorological layers and study the causes of loss of hydrogen and oxygen gases -- the two main constituents of water -- from the upper layer of the Martian atmosphere.
- The mission, if successful, will become the **first space exploration programme** to take a picture of the Mars atmosphere.
- The 'Hope Probe' **will be launched** into orbit in mid-**July 2020**. The spacecraft is expected to reach Mars orbit in the first quarter of 2021, coinciding with the **50th anniversary of the founding of the UAE**.

[Source: Tol](#)

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