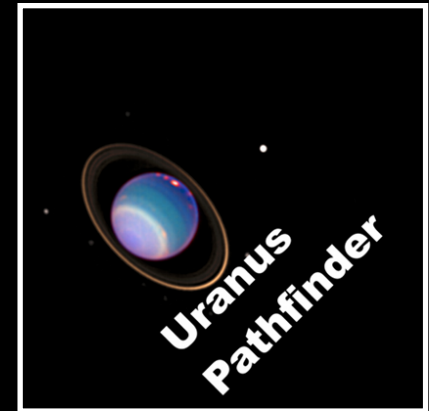


Uranus Pathfinder

A mission for ESA's 2010 M-class Cosmic Vision call



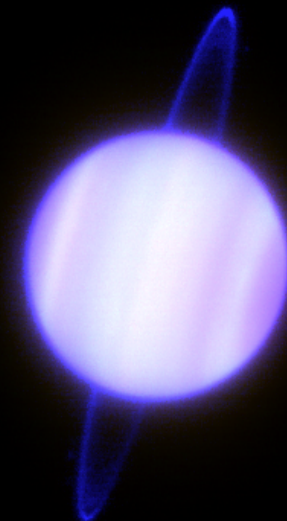
Chris Arridge, Craig Agnor, Nicolas André, Kevin Baines, Leigh Fletcher, Daniel Gautier, Mark Hofstadter, Geraint Jones, Laurent Lamy, Olivier Mousis, Nadine Nettelmann, Chris Russell, Tom Stallard, Gabriel Tobie and Matt Tiscareno on behalf of the Uranus Pathfinder consortium*

Web:

<http://bit.ly/UranusPathfinder>

Contact: csa@mssl.ucl.ac.uk

* Representing 94 scientists at 46 institutes in 10 countries.



Mission Concept

- Three-axis stabilised spacecraft powered by European RPSs in an eccentric orbit arriving at Uranus in the 2030 time-frame.
- Strawman payload: magnetometer, radio science, gravity, optical imaging, some IR/UV capability. Details of the science payload are under study. Mid-IR, microwave, radio/plasma wave, & particle instruments are under consideration.
- Supported by more than **120** scientists **internationally**: **please contact Chris Arridge** or visit <http://bit.ly/UranusPathfinder> to register your support.

Science themes and leads

Interior of Uranus

Neutral Atmosphere

Upper atmosphere & aurorae

Internal magnetic field & dynamo

Magnetosphere

Rings

Moons

Cruise phase science

Origins

Nadine Nettelmann

Leigh Fletcher

Tom Stallard

Chris Arridge

Nicolas André

Matt Tiscareno

Gabriel Tobie

Geraint Jones

Olivier Mousis

