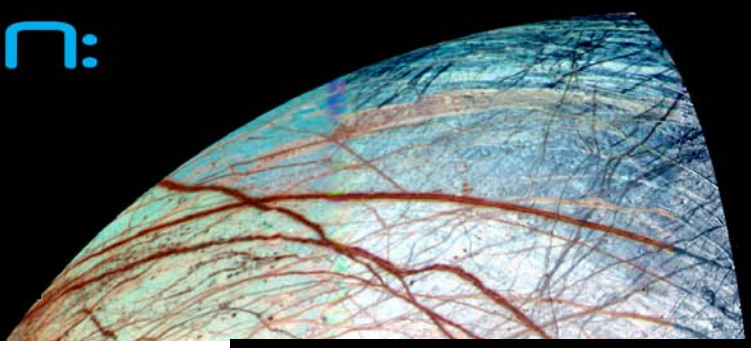
Destination: EUROPA

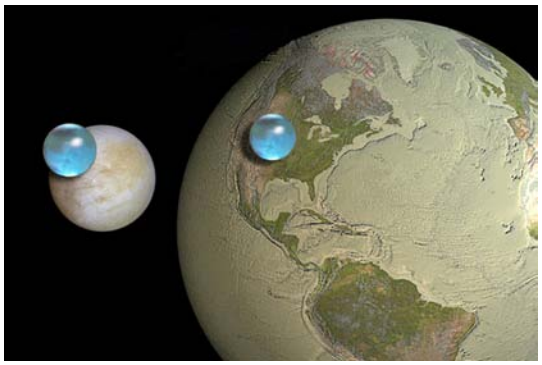
Let's fund the Europa Clipper mission!



europa.seti.org

Europa Clipper is a *technically-ready* mission that could reveal Europa's habitability by measuring these ingredients for life:

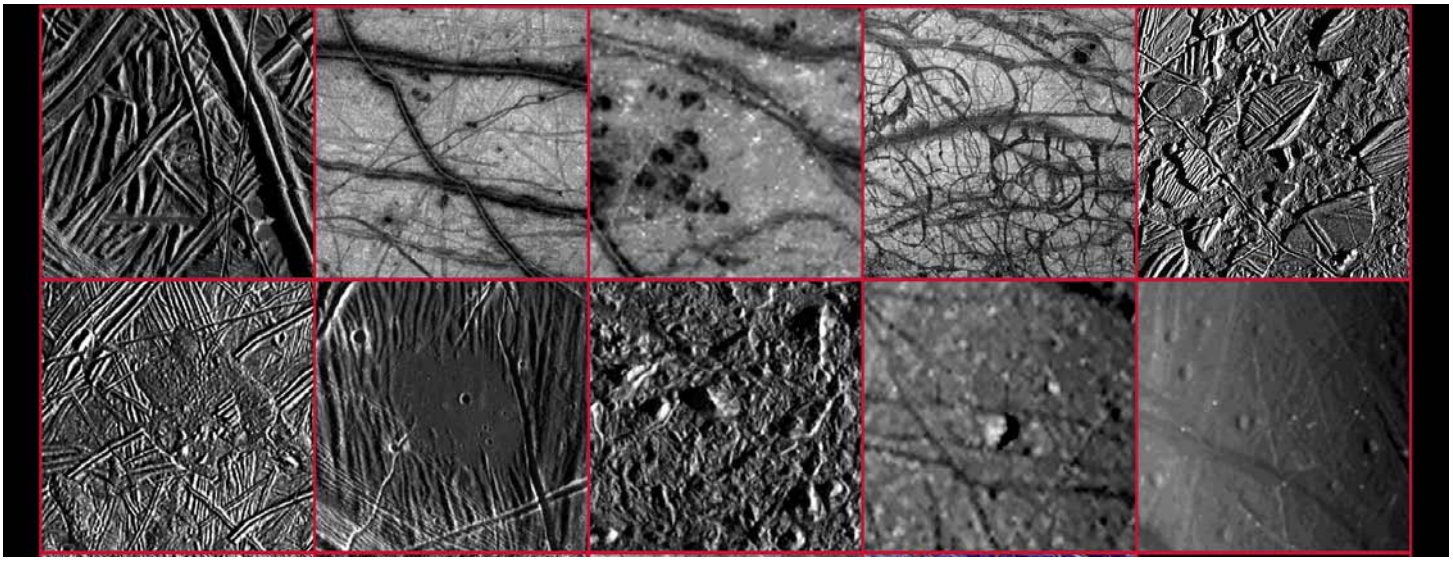
- ***Water*** > Ice-penetrating radar will map out Europa's subsurface ocean and identify lakes hiding within its icy shell.
- ***Chemistry*** > Spectrometers will determine if Europa has a life-sustaining composition.
- ***Energy*** > Together, the magnetometer, camera, and ice-penetrating radar will search for geologic activity that could sustain a subsurface biosphere.



Europa has more than twice as much water as Earth. Europa Clipper will look for water in the ice shell and characterize the ocean.

The US Planetary Science Community supports the Europa Clipper Mission.

- ✓ NASA Outer Planets Assessment Group
- ✓ NASA Planetary Science Subcommittee
- ✓ AAS Division of Planetary Science

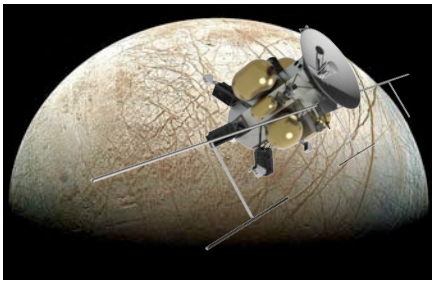


Will We Choose to Explore Europa?

Funding the Clipper mission is an investment in Texas!

- Scientists from University of Texas and Southwest Research Institute helped design the Clipper mission
- Instruments for Clipper will be developed by and return data to Texas scientists and students at:

-Johnson Space Center (Houston), -University of Texas (Austin)
-Lunar & Planetary Inst. (Houston), -Southern Methodist Univ. (Dallas)
-Southwest Research Inst. (San Antonio)



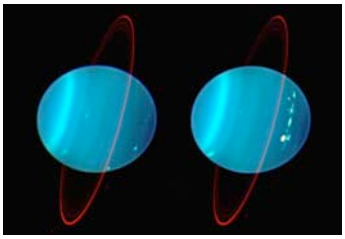
The United States is home to the world's foremost planetary scientists.

The *Vision and Voyages for Planetary Science in the Decade 2013-2023* is a document created by the US planetary science community that recommends:

- **3 Strategic Missions**
  Two primary missions ranked equally on science value:
  - ***Mars Astrobiology Explorer Cacher*** *(Replaced by SELECTED MARS 2020)*
  - ***Europa Clipper (ready to start)***

  A third to start later in the decade:
  - *Uranus Orbiter and Probe*

MSL-based Mars 2020



"Ice giant" Uranus + its icy moons await.

- **Discovery Missions**
  Low-cost missions competitively selected at a 24-month cadence
  - *Mars InSight (2012) + TBD*
- **New Frontiers Missions**
  Two intermediate cost missions to be competitively selected this decade
- **Research & Analysis Programs**
  - Maximizes return on past, on-going and future missions
  - Employs America's most innovative scientists and engineers
- **Technology Development**
  - To enable new missions at lower cost

We support new legislation that includes:

- A *new start* for Europa Clipper

- Restoring the NASA budget to FY 2012 levels to protect Discovery missions