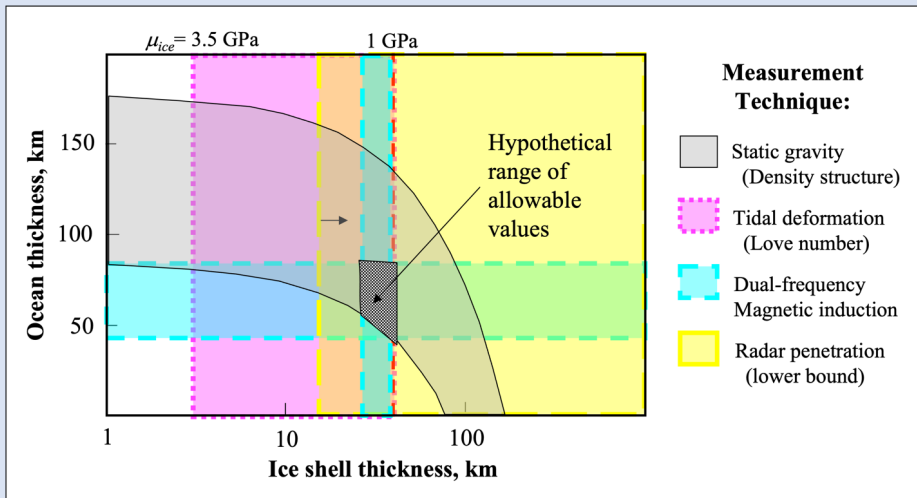
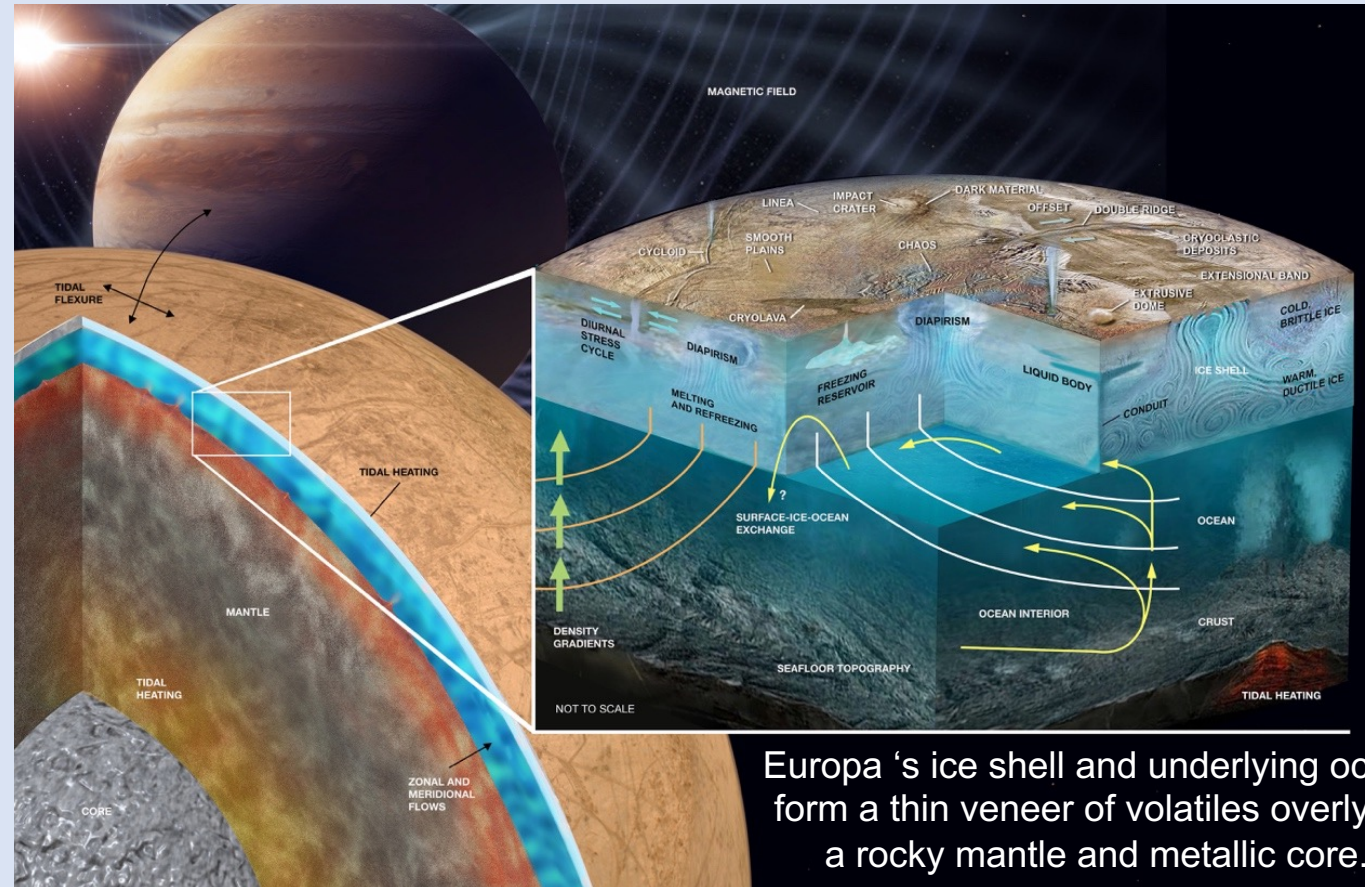


Exploring the Interior of Europa with Europa Clipper

- Europa Clipper will characterize Europa’s interior; confirm the presence of a subsurface ocean; and determine the depth to this ocean, and on its salinity and thickness.
- Three investigations are planned to address these objectives: magnetic induction, subsurface radar sounding, and tidal deformation.
- Together, the synergy between these investigations will expose the secrets of the European interior in unprecedented detail..



Overlapping measurements combine to constrain the ice shell and ocean thickness.



Europa’s ice shell and underlying ocean form a thin veneer of volatiles overlying a rocky mantle and metallic core.

Combining multiple datasets is a powerful way of characterizing the interior of Europa and habitability of its subsurface ocean.