

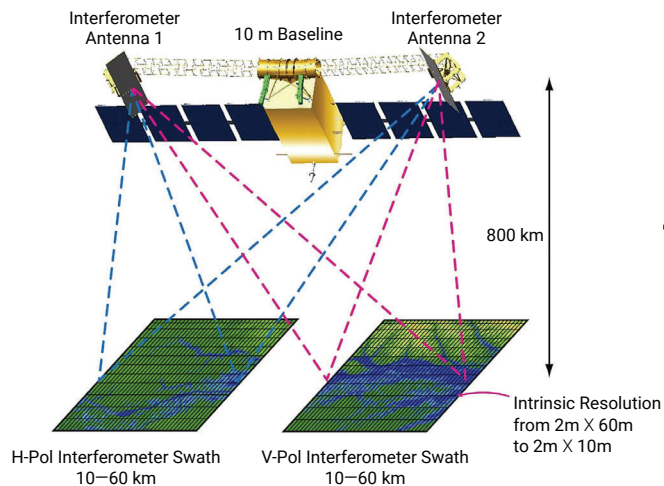
# 4 Next Generation Seafloor Mapping Tools



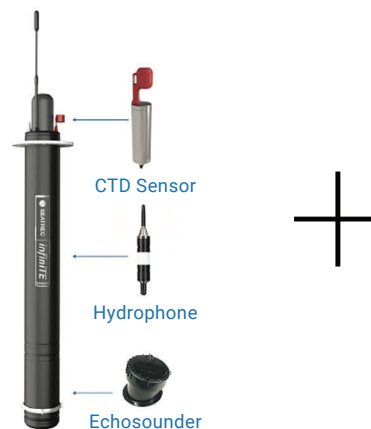
**Lead Organization**  
**Principal Investigator**  
**Period**  
**Study Area**

**Univ. of New Hampshire, Stockholm Univ, Scripps Inst.**  
**Prof. Larry Mayer**  
**December 2023–March 2027**  
**Global with start in South Atlantic**

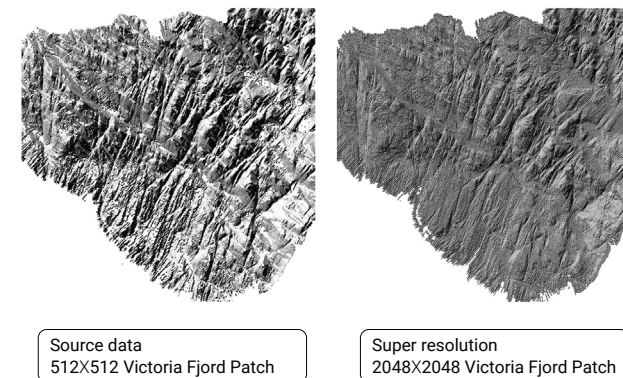
## New high-resolution SWOT satellite derived bathymetry



## Innovative new thermally powered echo-sounding floats



## Machine learning / AI techniques



### Objective

Explore new technologies to facilitate the complete mapping of the world's oceans

### Method

- 1- SWOT satellite derived bathymetry
- 2- innovative new thermally powered echosounding floats
- 3- machine learning/AI

### Expected Outcome

More complete map of global ocean bathymetry particularly in remote areas