

## 3 x Slocum Glider from Teledyne Webb Research

Available in 2023 for all scientists in the Netherlands via NMF National Marine research Facilities pool

### Why use gliders?

- Efficient collection of water column data
- Data almost real time via satellite telemetry
- Remote control
- Long range and long endurance
- Exchangeable sensors
- Wide array of sensors
- Diving depth down to 1,000 m

### Specifications

- Satellite contact
- Pitch control by movable battery pack
- Steering by rudder
- Max endurance: 2 to 18 months
- Max range: 1,300 – 13,800 km
- Max depth: 1,000 m
- Average speed: 0.25 m/s

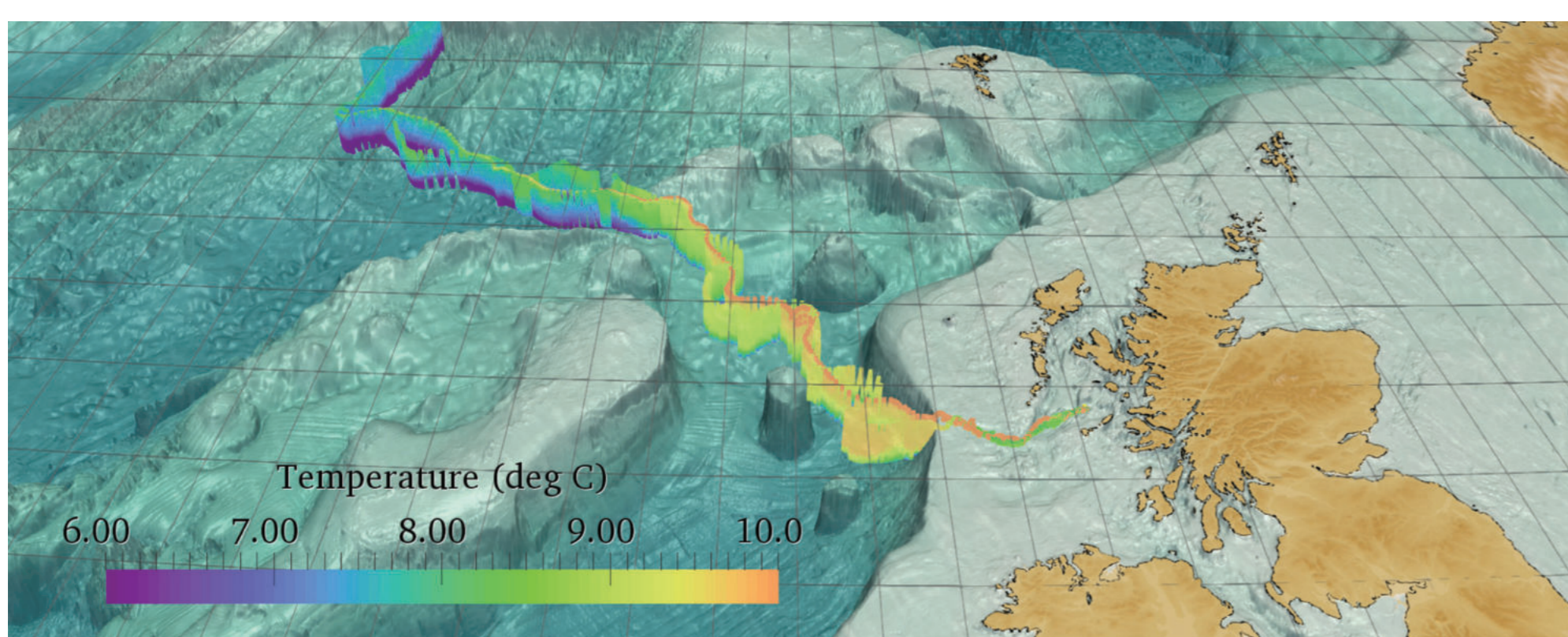
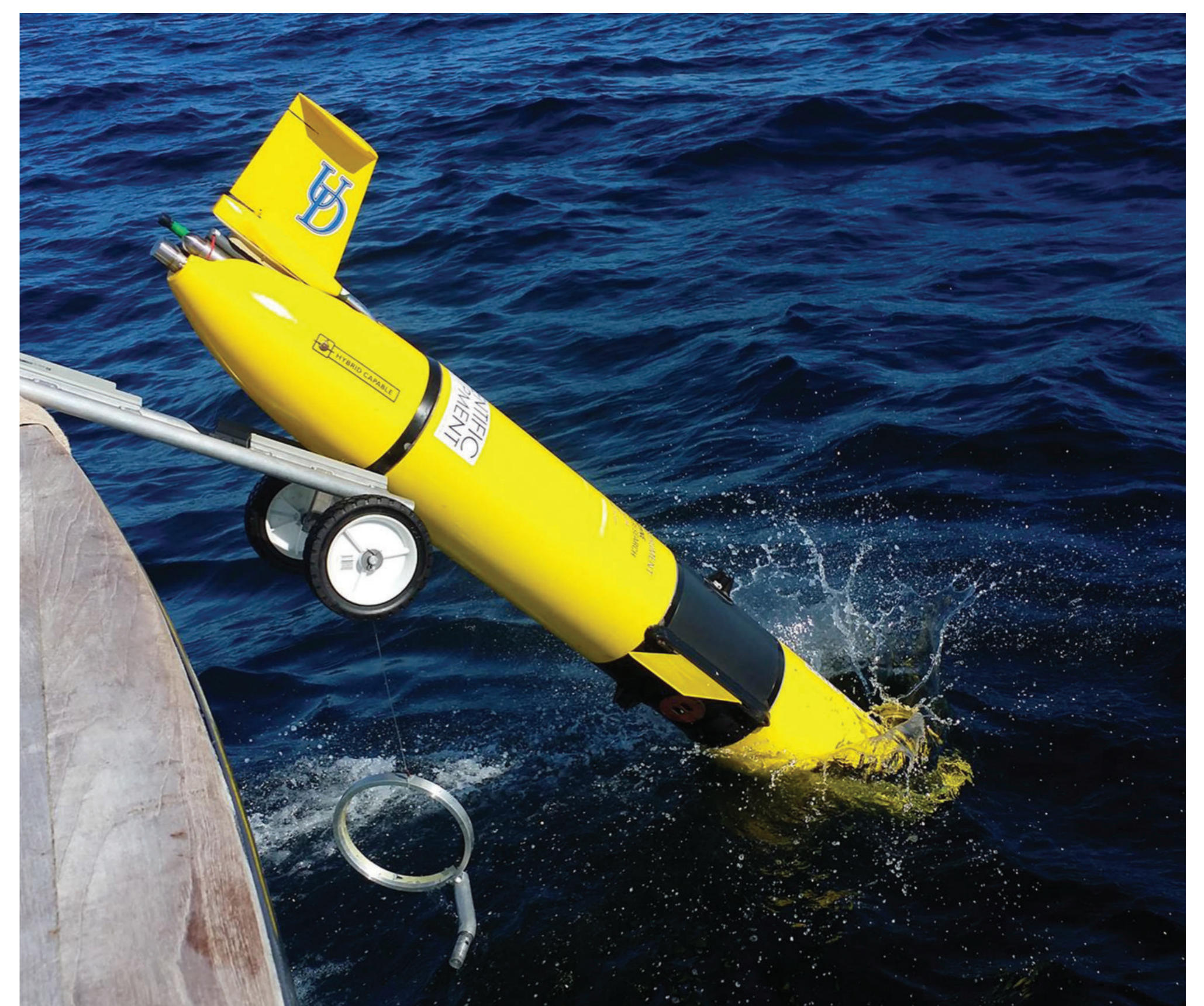
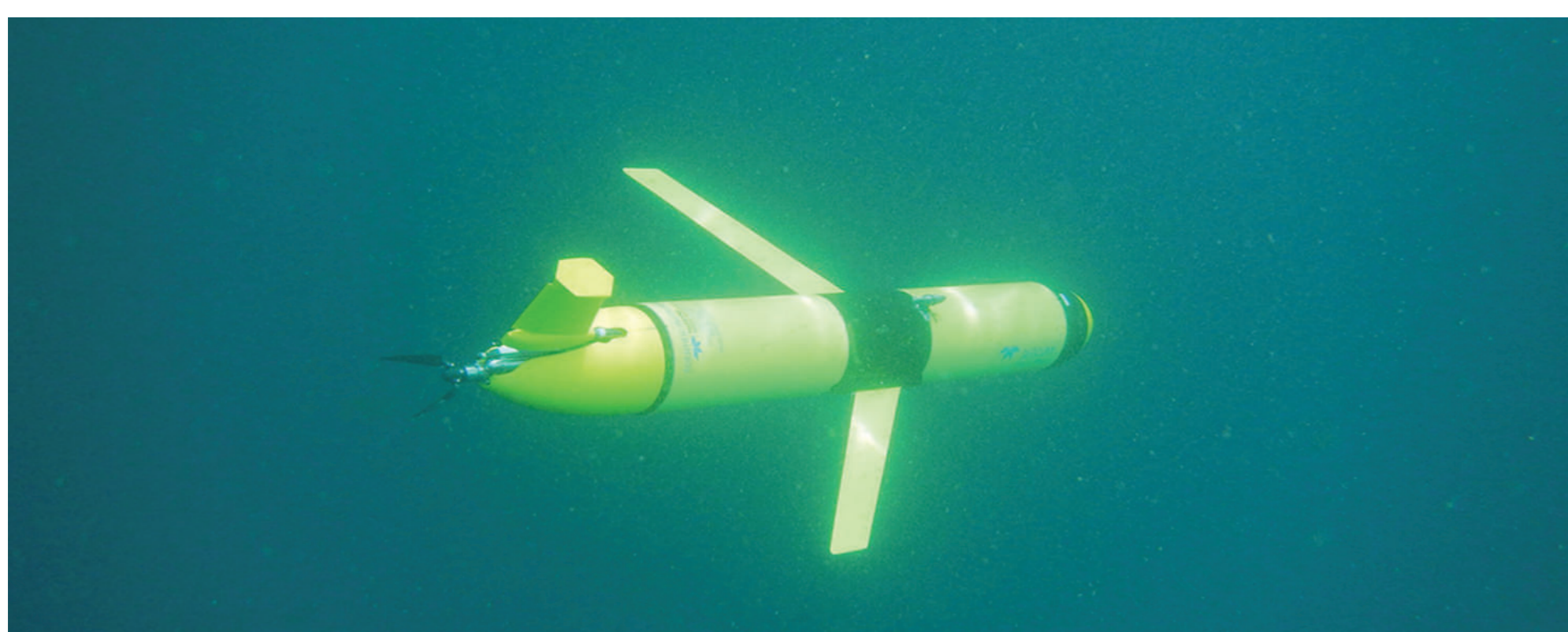
### Equipment

- CTD non-pumped
- DO2
- Chlorophyll/turbidity/CDOM
- Altimeter
- Acoustic modem

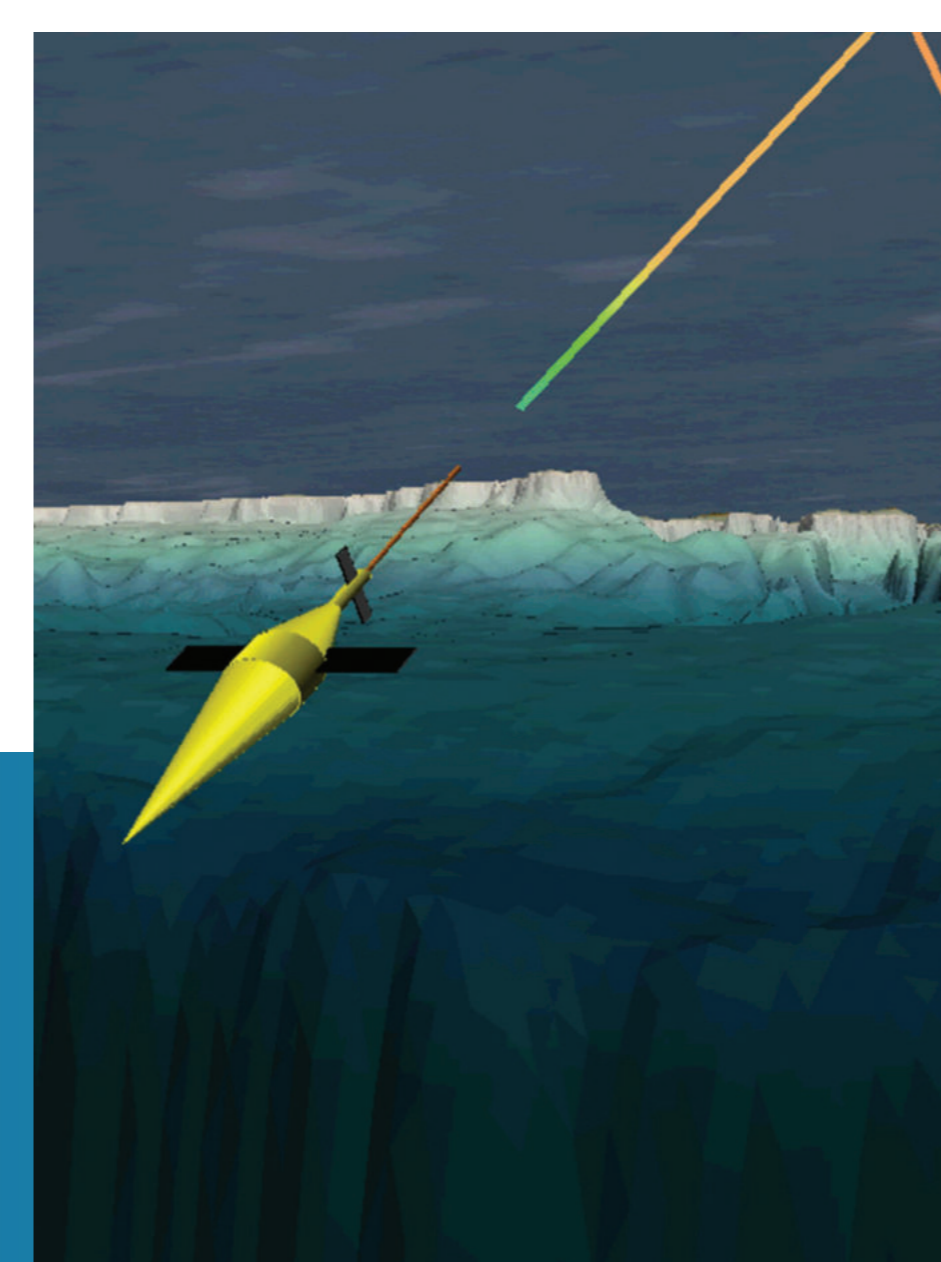
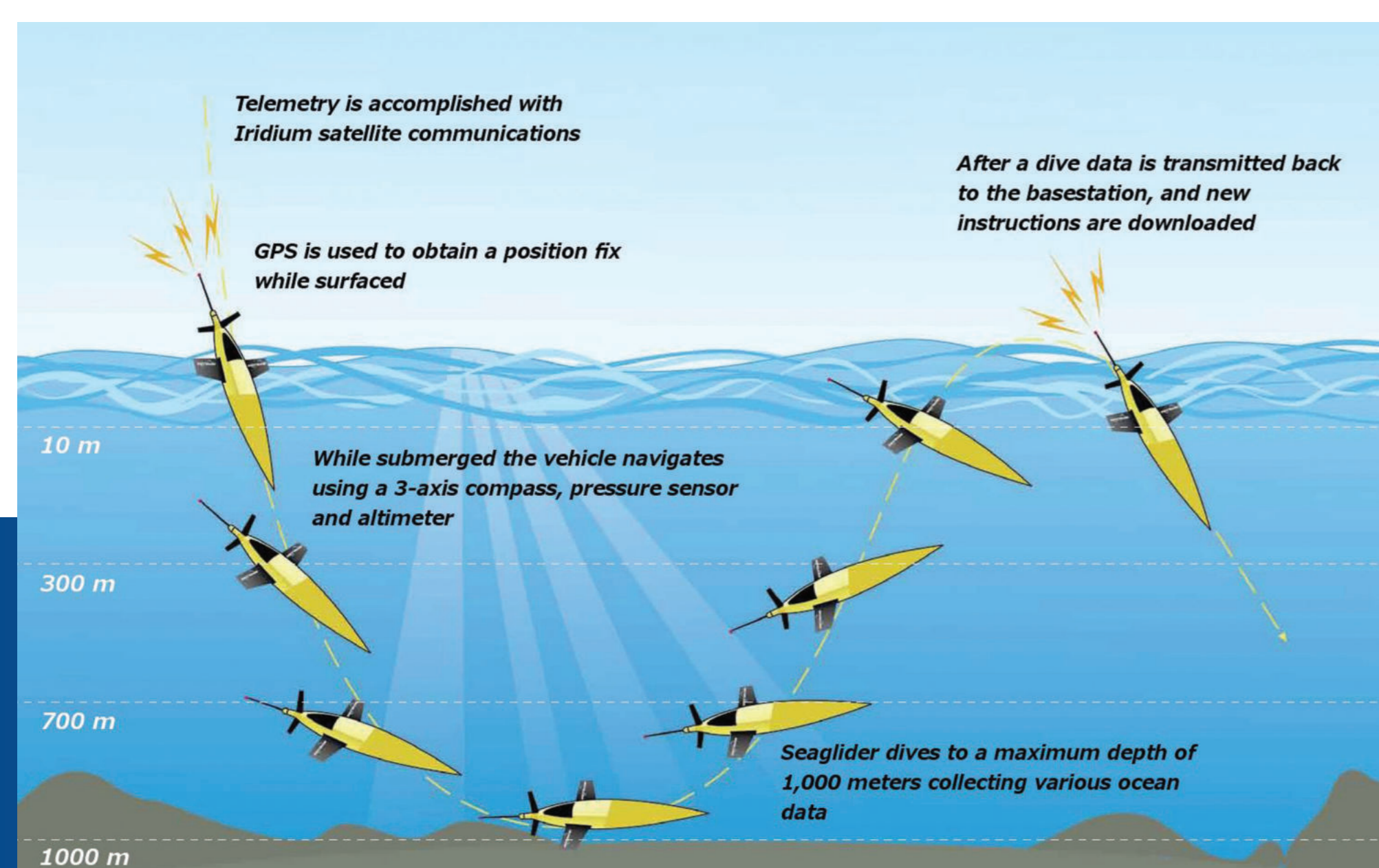
### Special sensors (not ordered)

- PAR
- ADCP
- Nitrate

- pCO<sub>2</sub>
- Echo sounder
- Hydrocarbons/sewage/pesticides
- μTurbulence
- Methane
- Hydrophone
- Metal traces
- Micro nutrients
- FRRF
- Radiometer
- Fish tag detection and more...



Source: Sam Jones (SAMS)



More information, questions or ideas? Ask [Marck.Smit@nioz.nl](mailto:Marck.Smit@nioz.nl)

Glider core team:  
Femke de Jong, Lorenz Meire, Sven Ober, Frank van Maarseveen, Leon Wuis, Marcel van der Linden (controller), Marck Smit (project leader)

Part of the GWI-project Mobile Equipment for: RV Anna Weber-van Bosse, RV Navicula/Wim Wolff and RV Pelagia.

Co-applicants and in advisory group: RUG, UU, UvA, Naturalis, VU, KNMI, TUD, NIKHEF, WUR, TNO en UL.