

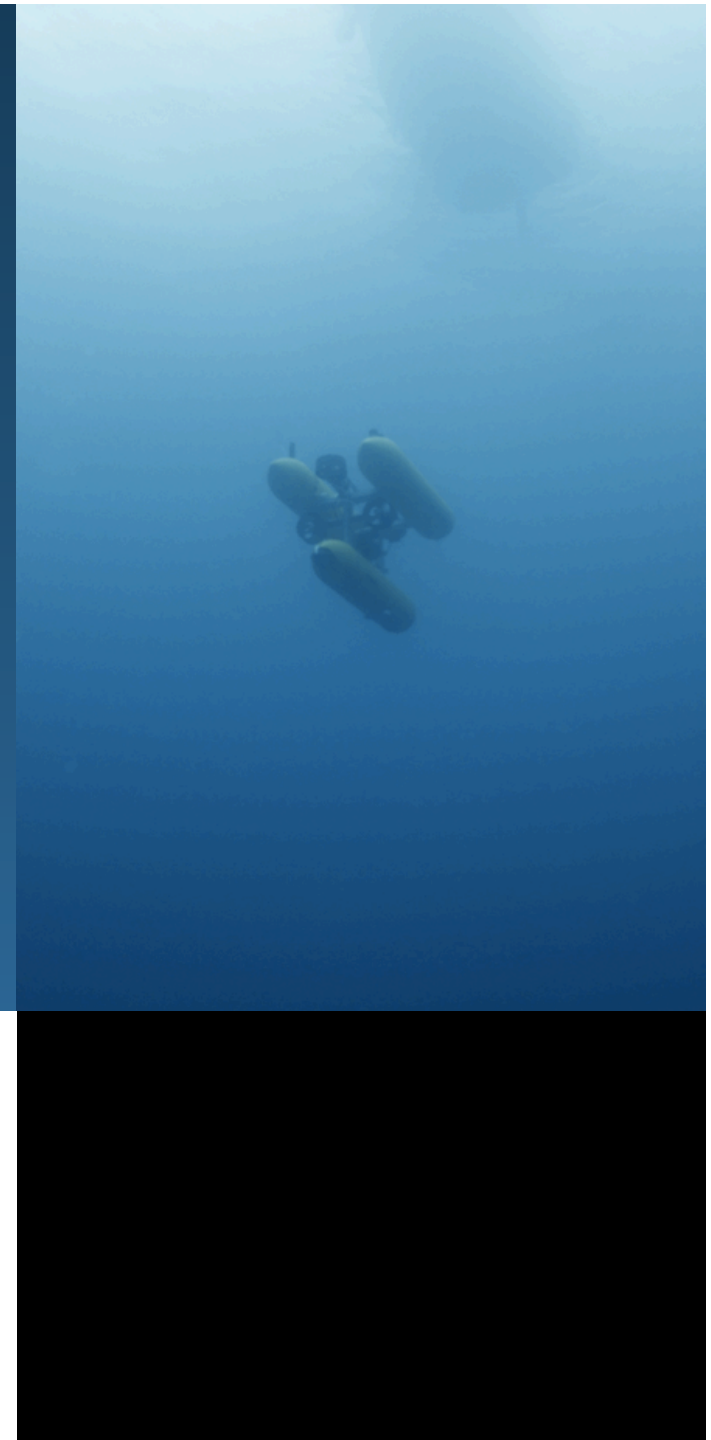


Universitat de Girona
Computer Vision and Robotics Group

CIRS

Underwater robotics research center

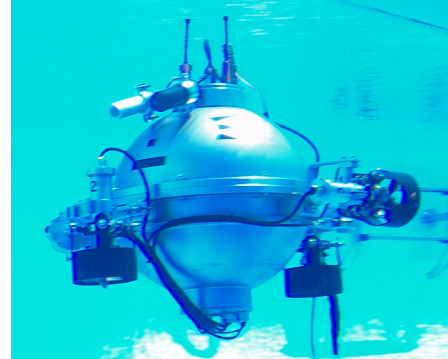
Presented by: **Narcís Palomeras**



Previous Robots



GARBI ROV



URIS AUV



GARBI AUV

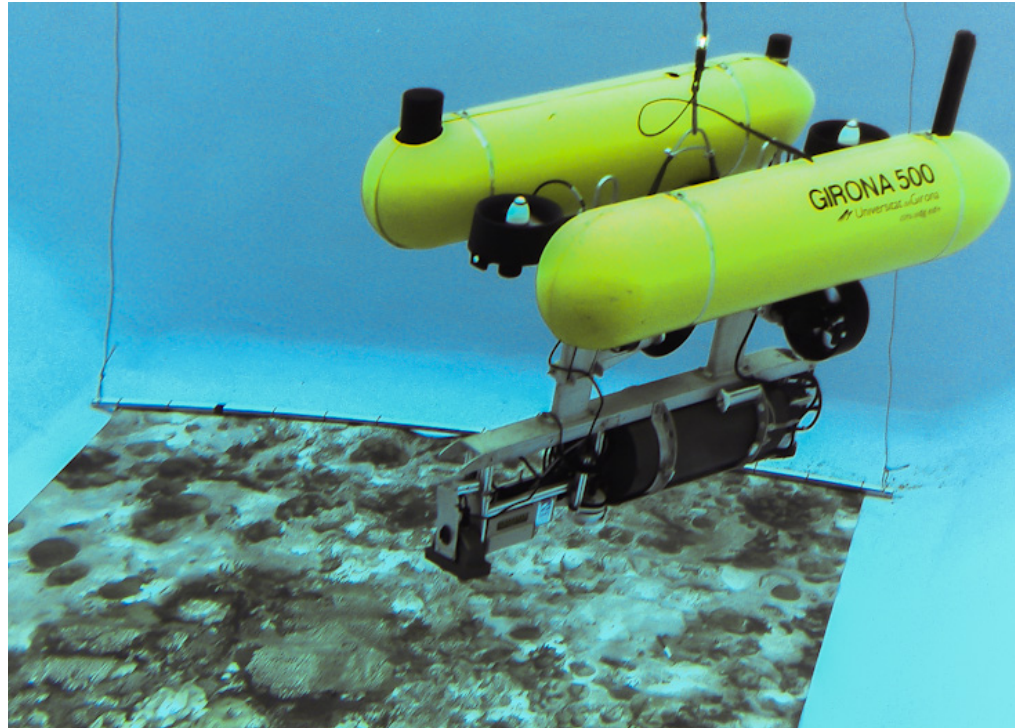


ICTINEU AUV



SPARUS AUV

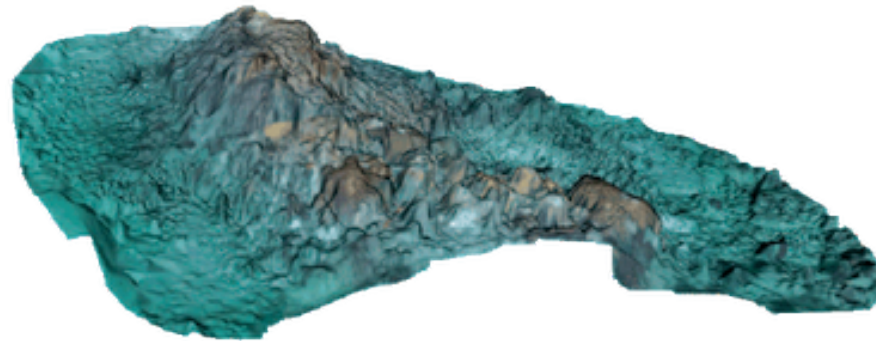
Girona 500 AUV



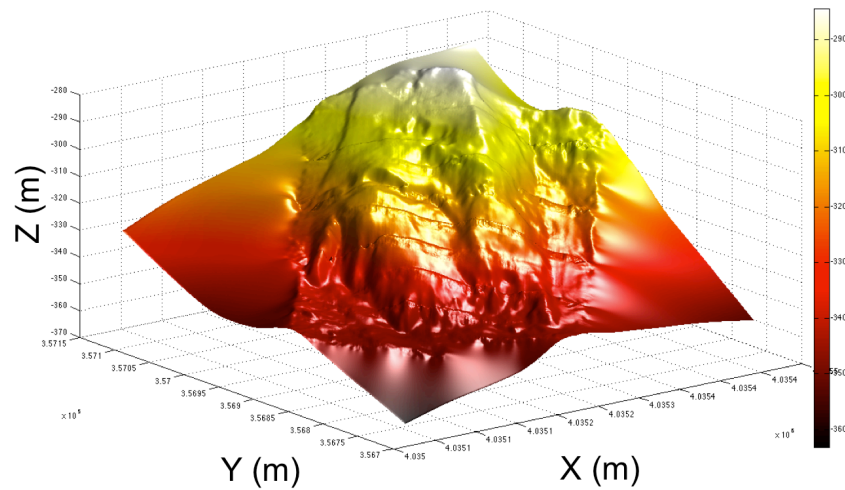
- 5 DoF
- 1.2m x 0.8m x 0.9m
- 180 Kg
- Stereo Camera
- GPS
- AHRS
- DVL
- Profiler
- Multibeam
- Side Scan Sonar
- Forward Looking Sonar
- 4 DoF Manipulator, available

Up to 500m depth!

From survey to intervention



2D and 3D photo mosaics



Bathymetric maps

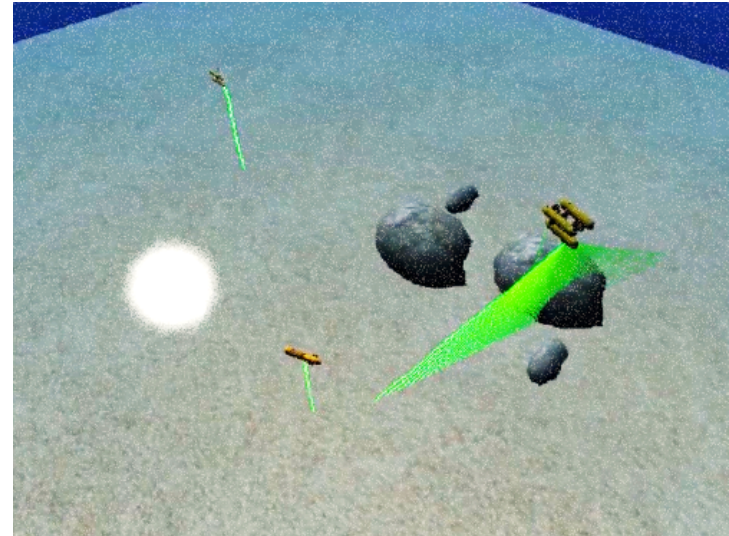


Light intervention missions

Open Source

Open source code at:

http://bitbucket.org/udg_cirs/cola2



COLA2 + UWSim

If you are only interested in our 6 DoF feature-based SLAM module, you can find it at:

http://ros.org/wiki/pose_ekf_slam