

Global Drifter Program WIS2.0 Pilot







The Lagrangian Drifter Lab

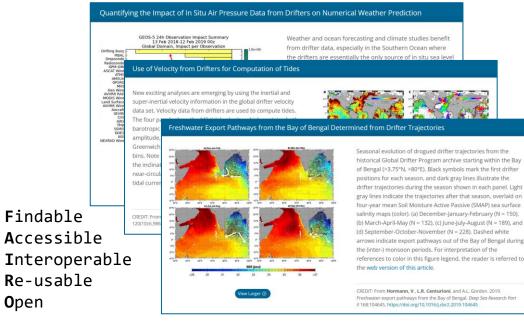
Director: Dr. Luca Centurioni, PI of the Global Drifter Program

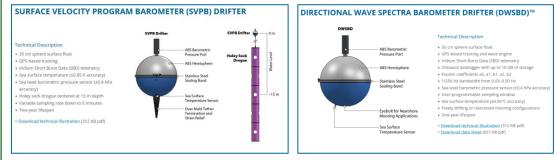
The Lagrangian Drifter Laboratory (LDL) is a team of Scientists, Engineers, Technicians, Coordinators, students and external collaborators in support of the end-to-end use of Lagrangian Drifter Technology and for promoting the advancement of air-sea interaction science (1,200+ paper published resulting from the FAIR-O data approach)

ACTIVITIES

Generation of scientific publications and products; Scientific advancements and applied science; Education and Outreach

- Development of new and existing drifter technologies
- Organization of scientific field campaigns
- Data management and analysis
- Peer-reviewed publications with associated DOI and FAIR-O dataset







Scripps Institution of Oceanography's

LAGRANGIAN DRIFTER LABORATORY

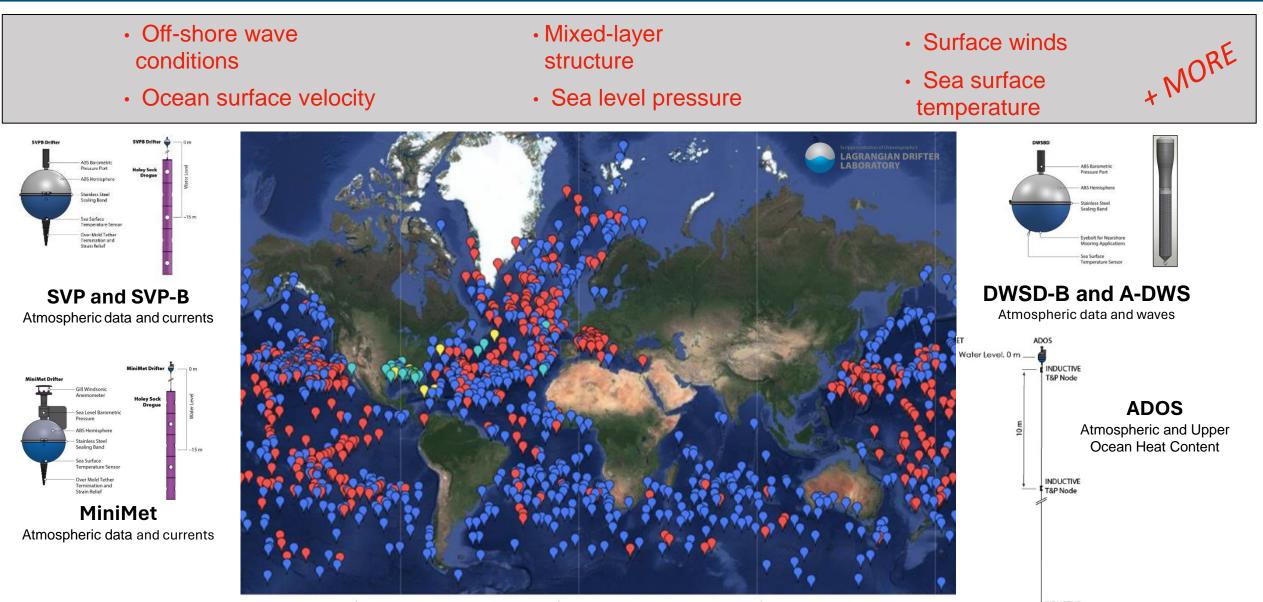
https://ldl.ucsd.edu

What Kind of Data and Metadata?

Scripps Institution of Oceanography's

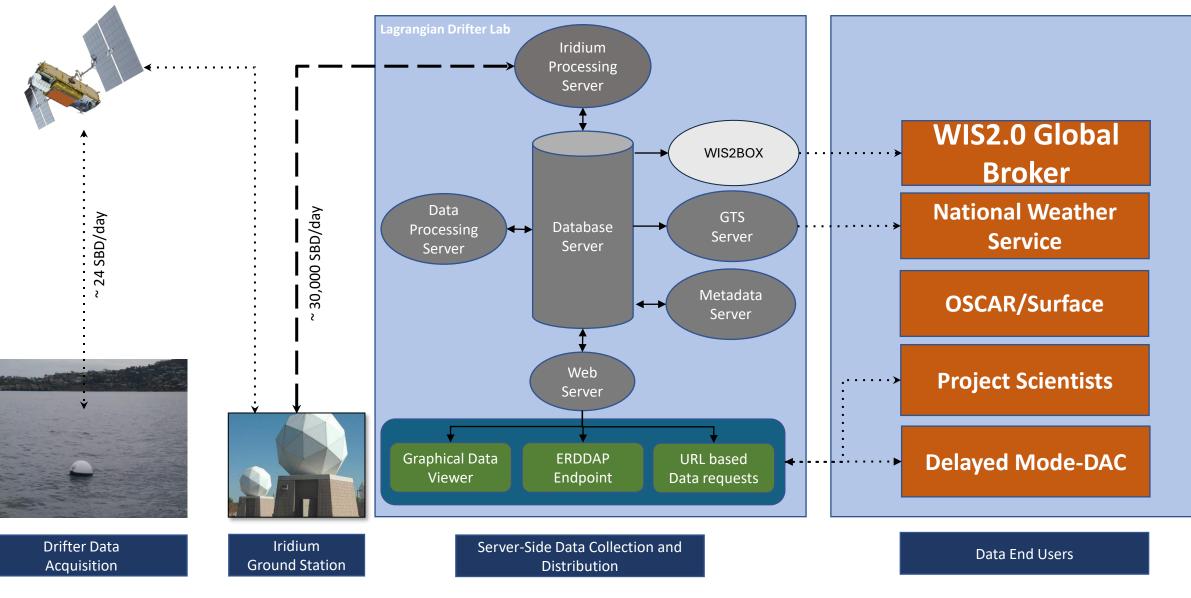
LABORATORY

LAGRANGIAN DRIFTER





Lagrangian Drifter Lab is a Real-Time Data Assembly Center (RT-DAC) in MCDS





WIS2BOX Pilot lessons learned

Benefits

- Open-source tool kit for data sharing on WIS2 network
- Community engagement and capacity building
- Empowers data providers to share data
- Dashboard to view platform data on WIS2 and platform metadata on OSCAR/Surface

Work for the Networks

- High bar of entry for new users without platform templates
 - Templates exist for Moorings (TM315008), Drifters (TM315009) and First5 Waves (TM315010) data on GTS. Templates needed for their WIGOS metadata.
 - DBCP TT-DM Pilot for interactions with OSCAR/Surface and OSCAR/Surface metadata schema template for BUOY platforms
- Detailed platform metadata needed in OSCAR/Surface
 - DBCP GHRSST Pilot highlighted need for detailed platform metadata and its ability to improve the value of existing datasets



https://wis2.ldl.ucsd.edu



HOME DOCUMENTATION

Welcome to WIS 2.0 in a box!



LDL's drifting marine station core data (BUOY) (us-ucsd-scripps-ldl)

Topic: origin/a/wis2/us-ucsd-scripps-ldl/data/core/weather/experimental/surface-basedobservations/buoy

EXPLORE 🔘	OBSERVATIONS 🖸	DISCOVERY METADATA 🖸



LDL's drifting marine station recommended data (BUOY) (us-ucsdscripps-ldl)

Topic: origin/a/wis2/us-ucsd-scripps-ldl/data/recommended/weather/experimental/surfacebased-observations/buoy

EXPLORE 💿 OBSERVATIONS 🖸 DISCOVERY METADATA 🗹

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