

PHYSICAL OCEANOGRAPHY

- Short introduction to physical oceanography. The main questions.
- The dynamical frame of the oceanic system.
- The wind-driven gyres and the western boundary intensification.
- Buoyancy-driven circulation and the abyssal circulation of the ocean.
- Baroclinic waves in the ocean and the adjustment of the ocean circulation.
- Equatorial dynamics and the El Nino system.
- Ocean dynamics in the polar regions