Satellite Altimetry:
Has provided more than twenty years of global measurements of sea level, wave height, wind speed & geostrophic circulation.

Standard practice does not consider data closer than 50 km from the coast, which means:
- poor knowledge of coastal circulation
- lack of comparability between tide gauges and satellite data
- no data available for synergy with coastal models.

ALES Retracks a selected part of the waveforms in order to:
Keep the same "standard brown" precision in the estimation of speed & geostrophic circulation of sea level, wave height, and wind.