Float technology progress.
PROVOR / ARVOR floats.

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Halifax.

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with contribution of CNRS-laboratoire de Villefranche.
The development of floats has involved Ifremer, CNRS and the industrial partner NKE. The work has been done within several project frameworks like NAOS (Novel Argo Ocean observing System), E-Aims (Euro-Argo Improvements for gmes Marine Service), Remocean.

- Status for:
  - Argo float improvements
  - Oxygen measurement
  - Deep float
  - Argos3 satellite transmission
  - Bio Argo floats
Deep Arvor

designed to achieve more than 150 profiles at 4000m depth

- CTD continuously pumping during ascent, sampling every meter (programmable)
- Oxygen measurement option (4330 optode)
- Iridium & GPS
- 26kg weight
- 2 model have been deployed (2012 + 2013)

→ in March 2014, NKE manufacturer has delivered to Ifremer, the 2 firsts 4000m (industrial prototypes. They should be deployed during the GEOVIDE cruise in June-July 2014.
Deep Arvor

- The first 3500dbar deep Arvor model was tested between August 2012 and February 2013 (60 cycles achieved). The 2nd model has been deployed in November 2013, mission is on going (56 cycles has been achieved today).