A few words about PIRATA...

The present network:

21 years old at now...

From 10 to 18 met-ocean buoys

From Atlas to T-Flex systems

3 ADCP equatorial moorings

Some additional sensors:
   T/C at some sites
   Full flux at some sites
   Currentmeter at some sites
   CO2 at 3 sites
   O2 at 3 sites
   Turbulence (Xpods)
   OTN

Ø : CO2 sensor  O : O2 sensor  © : Currentmeters  X : Turbulence sensors
BP : Barometric pressure sensor
PIRATA as a major component of the Tropical Atlantic Observing System...

from Foltz et al., TAOS OO WP in prep.: Key elements of the tropical Atlantic in situ observing system during 2008-2017. Gray shading represents the number of Argo profiles made in each 1º box. Contours show the average number of hourly surface drifter observations made in each 1º box per month.
What could be PIRATA in the future????

Adapted from the
PREFACE Deliverable 4.4
“Suggestion for a sustainable long
term monitoring system”

⇒IMPORTANCE of the TAOS
2nd review meeting

: Potential additionnal Pirata moorings
: CO₂ sensor
: O₂ sensor
: T/C & current in the Mixed Layer
: Aerosols

All PIRATA buoys should be “full flux” equipped with T-Flex systems.