



Photos: GECC

THANKS
foyer Bigard



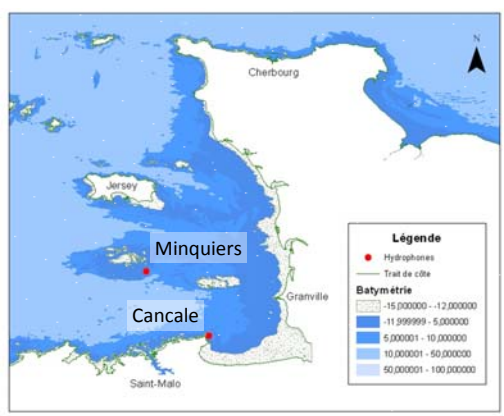
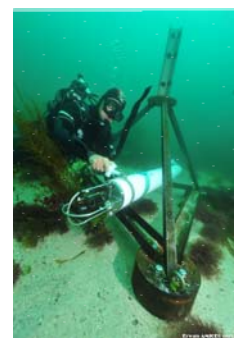
Passive acoustic monitoring of bottlenose dolphins in the Normandy region of the English Channel

Di Iorio L., Gervaise C., Gally F.

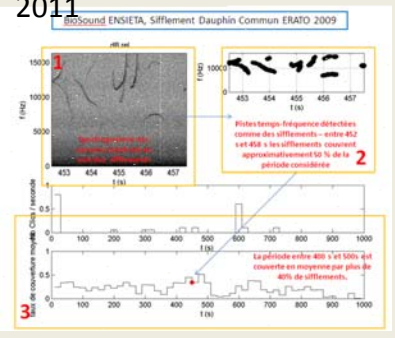
Objectives

Using passive acoustic monitoring (PAM) as a tool investigate:

- the seasonal and spatial use of this site by this largest bottlenose dolphins (*Tursiops truncatus*) populations of France
- the correlates of their presences
- the potential interactions with human activities



Records SR=32362Hz, in continue; from August to October, 2011

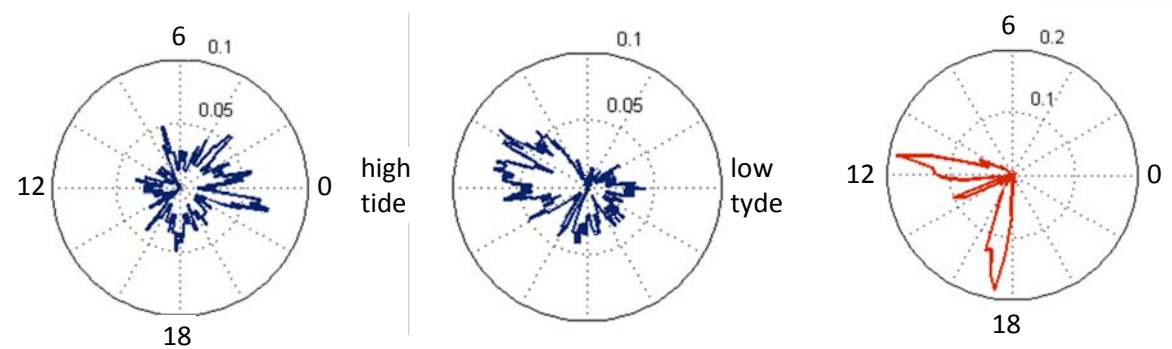


- 1) Whistles detections: Biosound (C. Gervaise)
- 2) on the two sites : Acoustic occurrence through a 24h cycle and tidal cycle
- 3) Human activity on 24h cycle

Results

Minquiers

08/17 – 09/17/2011
142 dolphin occurrences
53 boat occurrences



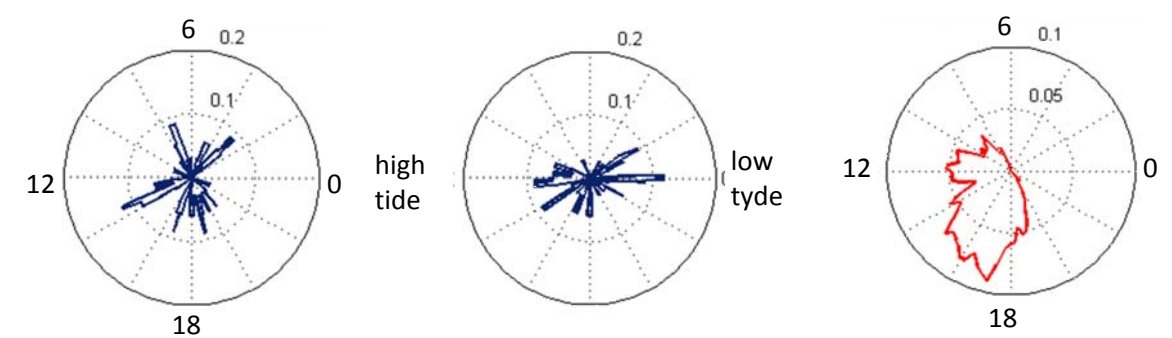
Acoustic activity of dolphins 24h

Tidal cycle

Human activity 24h

Cancale

08/10 – 09/10/2011
34 dolphin occurrences
694 boat occurrences



PAM of dolphins and boats are instructives !

- Minquiers: More dolphins occurrence mostly during night and at high tide, few human activities
- Cancale: Most human activities correlates with very few detections of dolphins (due to the noise ?)