



Evolution d'un champs de pockmarks
Associé à un peuplement de crustacés amphipodes
En Baie de Concarneau

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100 m

Un amphipode grégaire tubicole
Une espèce ingénieuse: tapis de
tubes dans des environnements
vaseux.

Densité de 20 000 ind.m⁻²



Caisey



X. Caisey

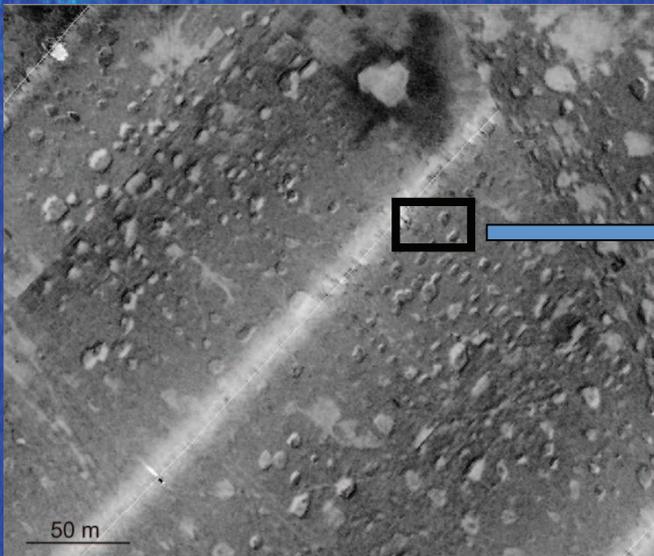
X. Caisey

Les Vasières _ Haploops : une relation avec les pockmarks ? (Sauron 2009)

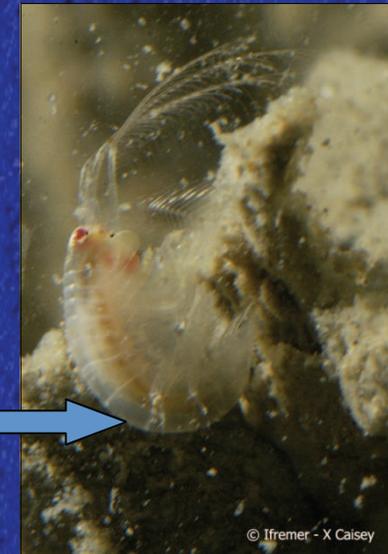
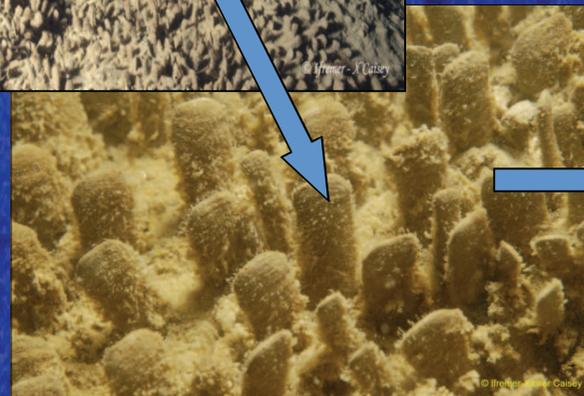
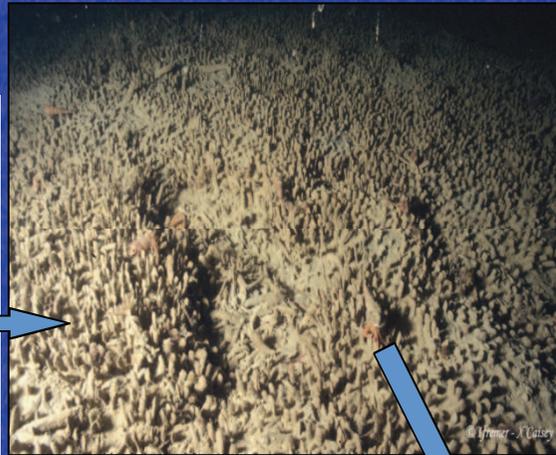
Forte densité



Colonies _ *Haploops*
sur le fond



Imagerie sonar au nord de la
baie de Concarneau



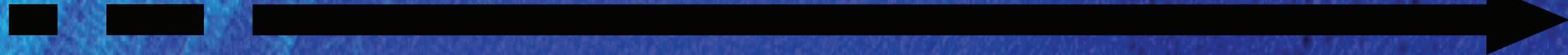
Crustac[~]
Amphipode

REBENT

Seisploops

Pock & Ploops

Pock & Tide

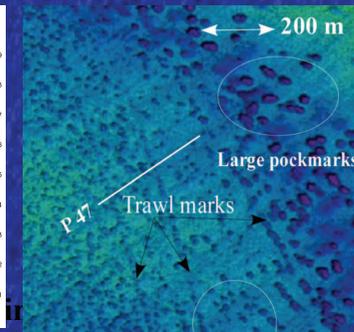
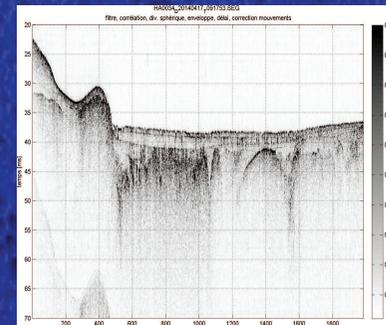
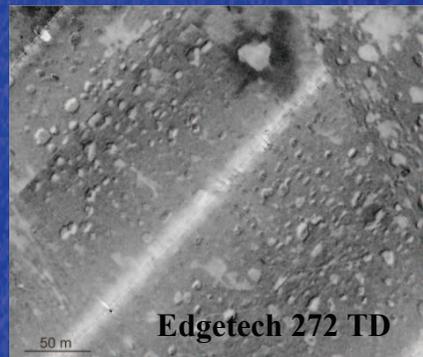
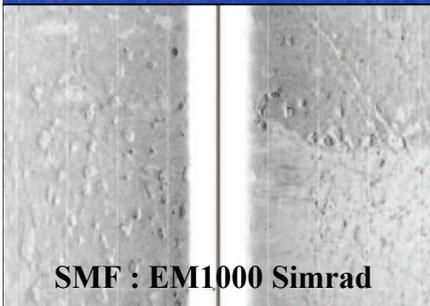


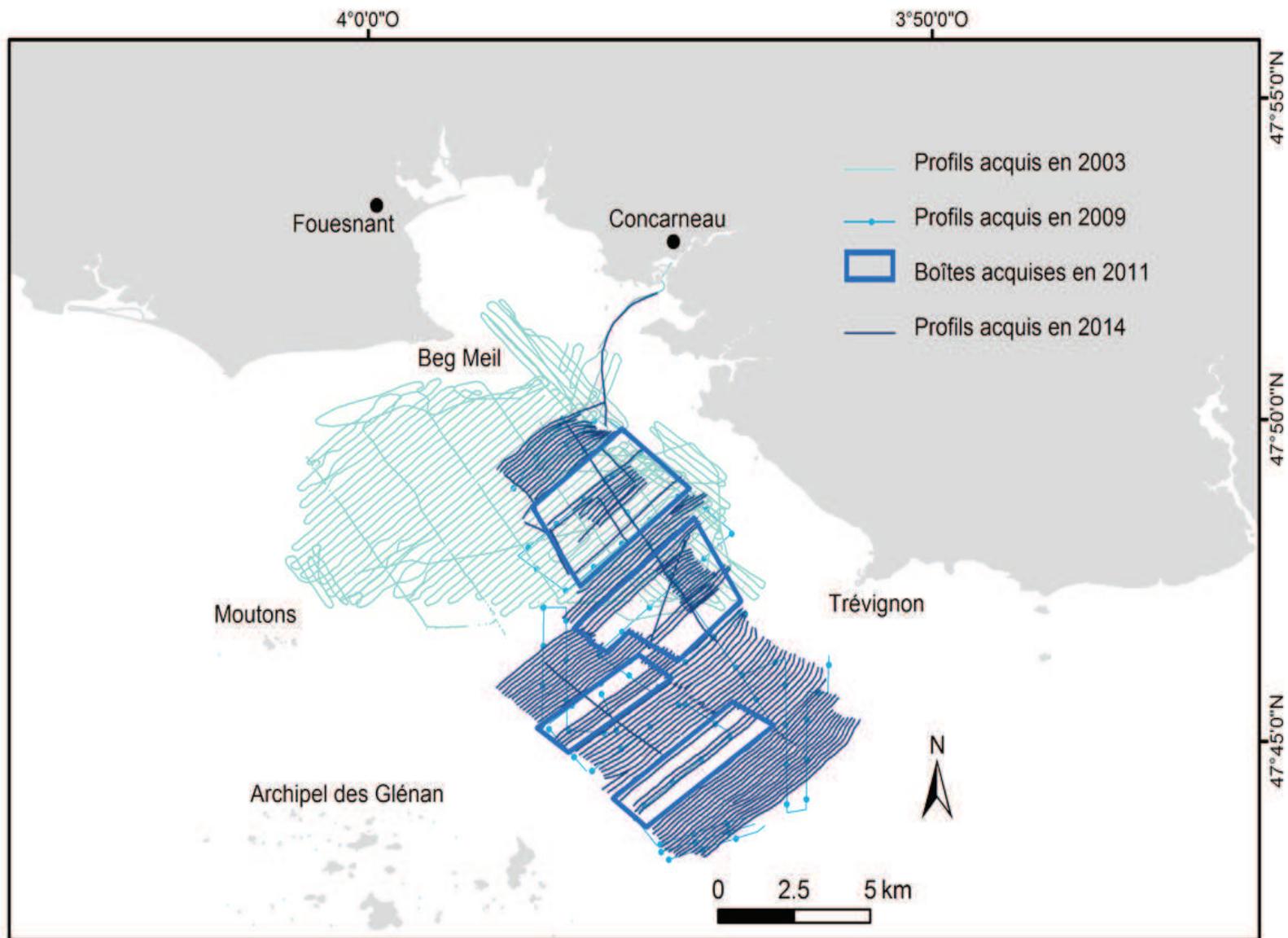
2005

2009

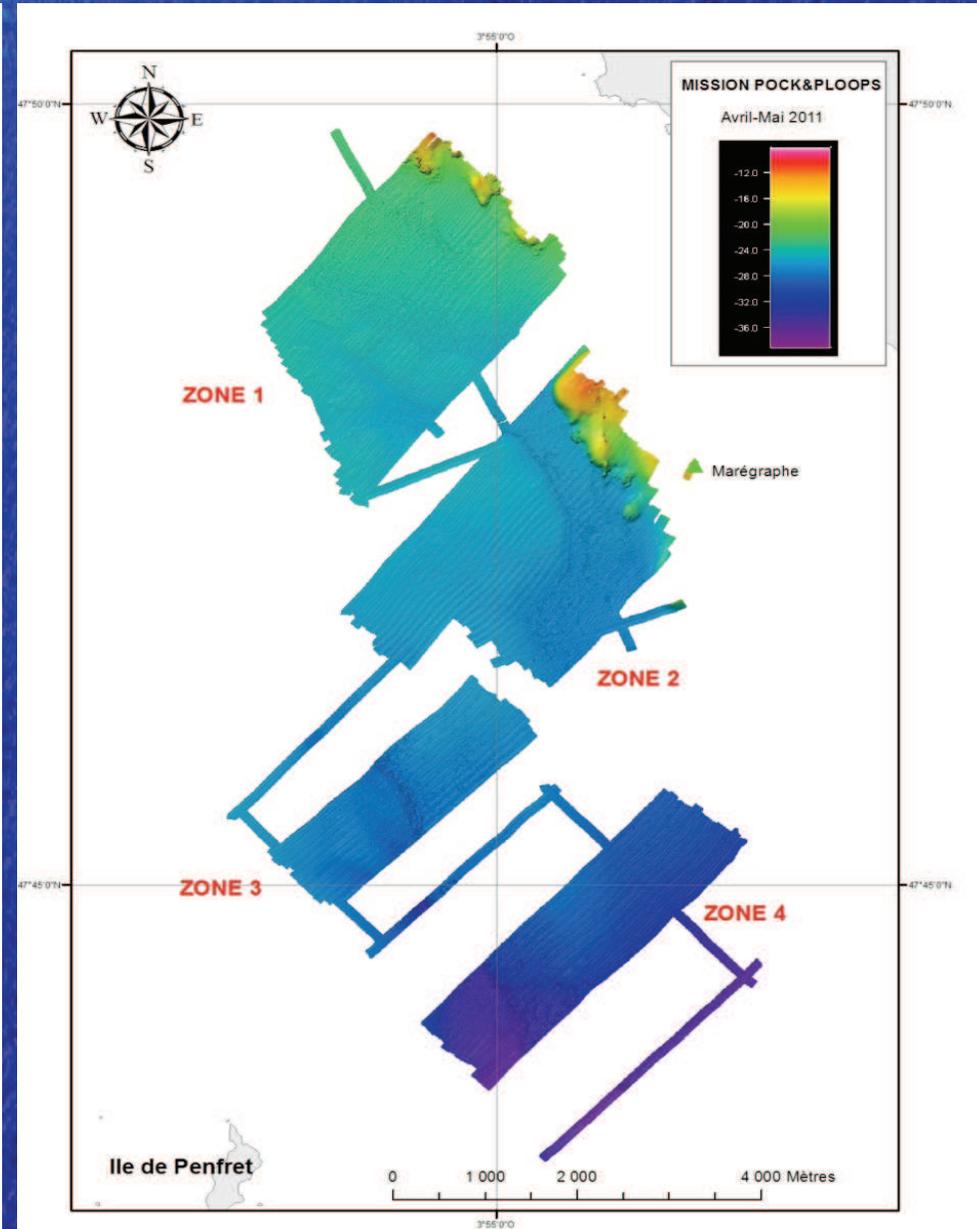
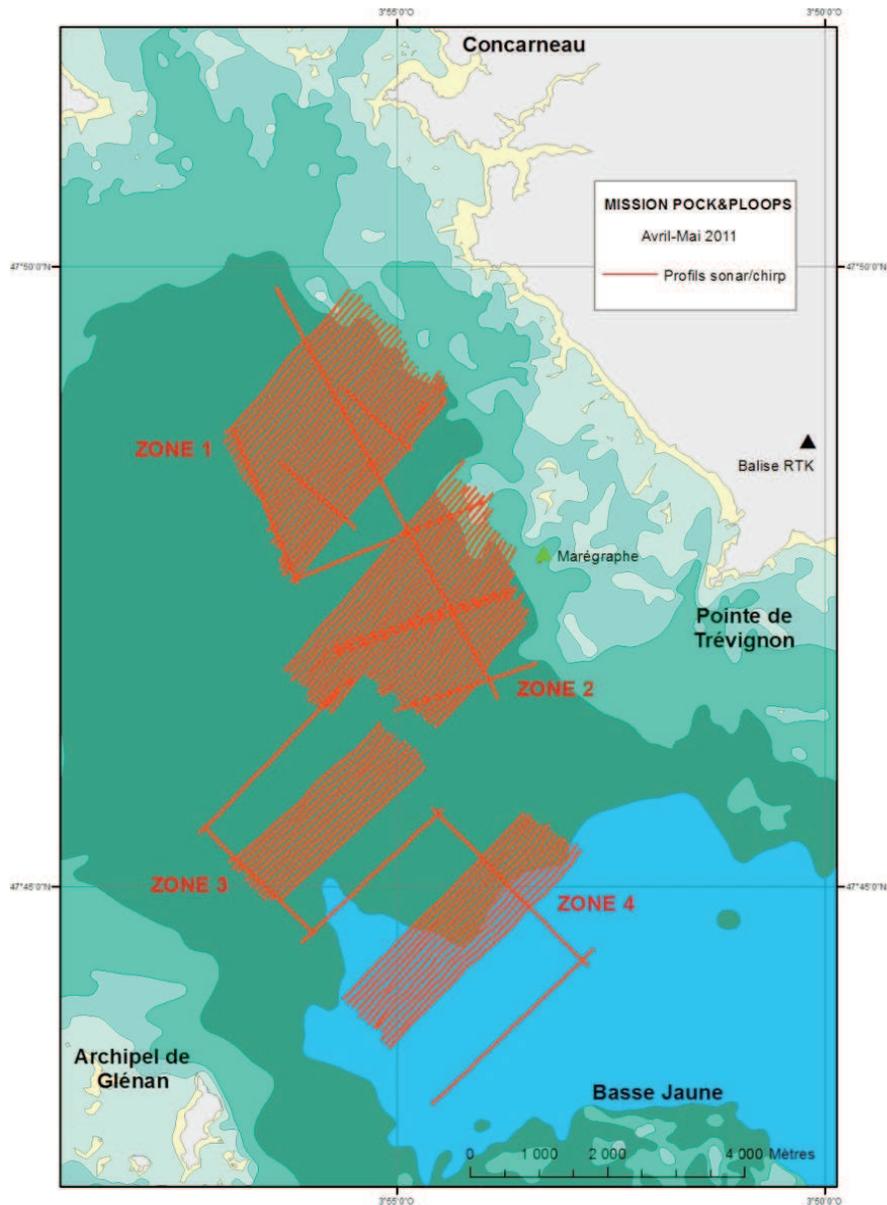
2011

2014



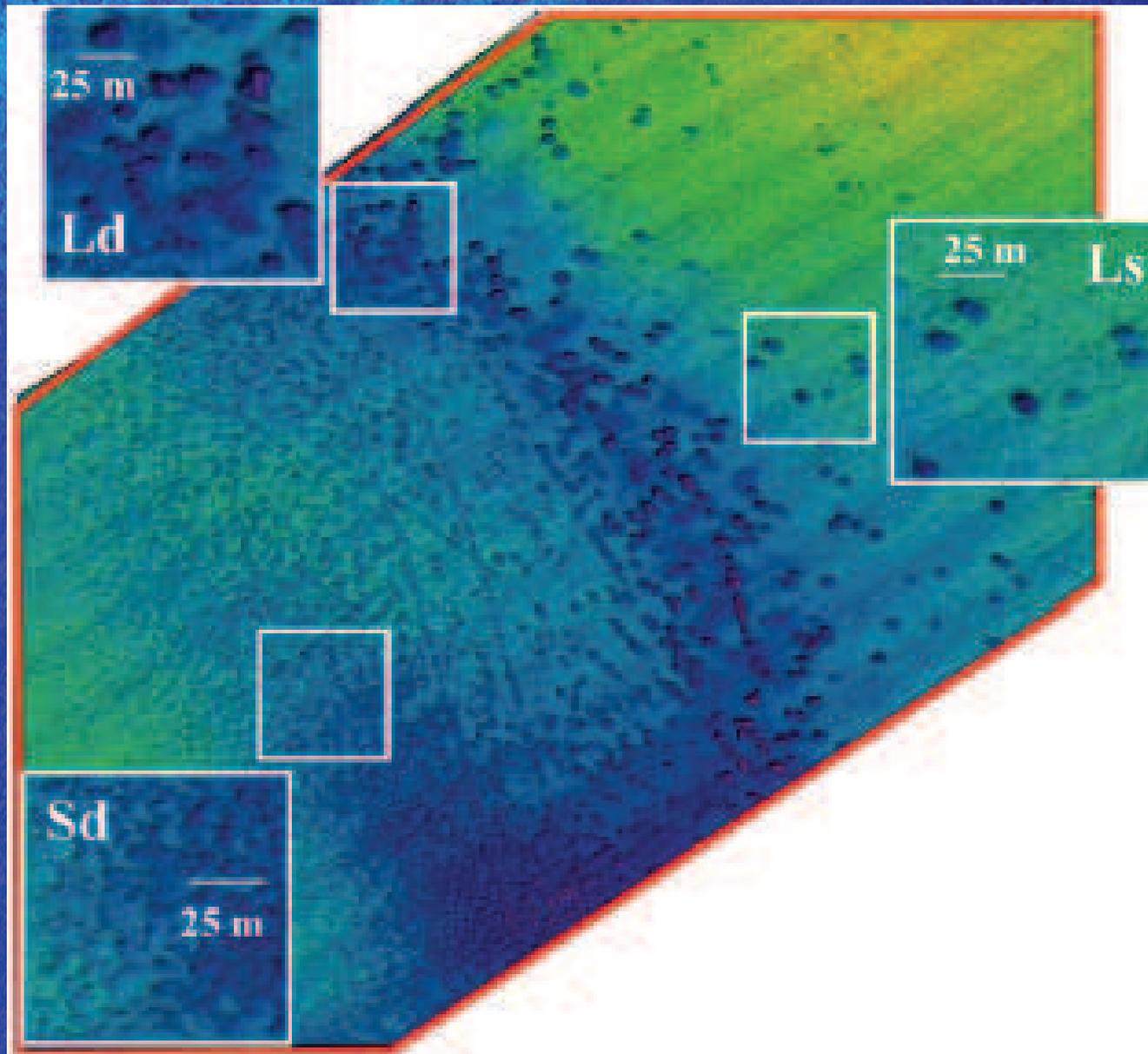


Mission Haliotis Pock & Ploops 2011 : données bathy + chirp

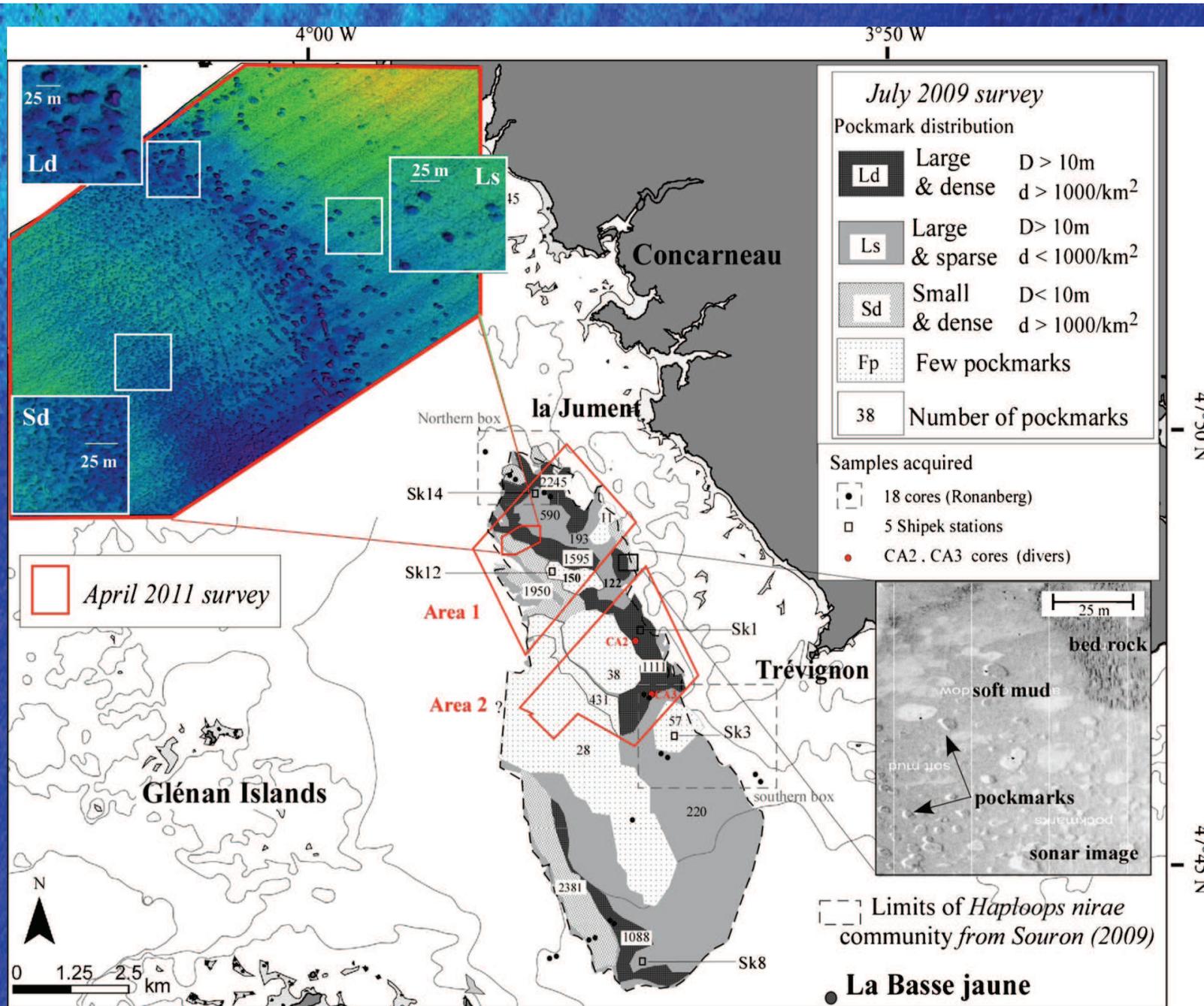




Traces de chalut

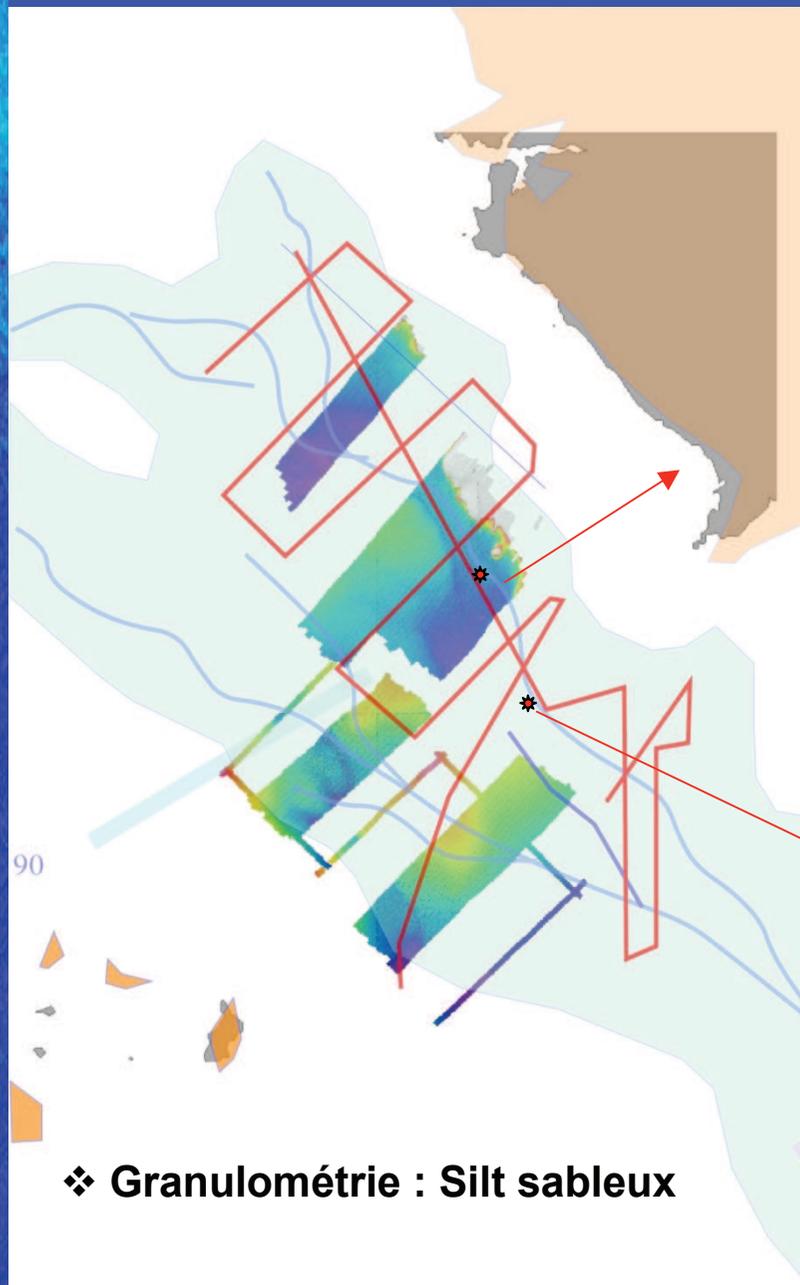


D'après Baltzer et al., 2014



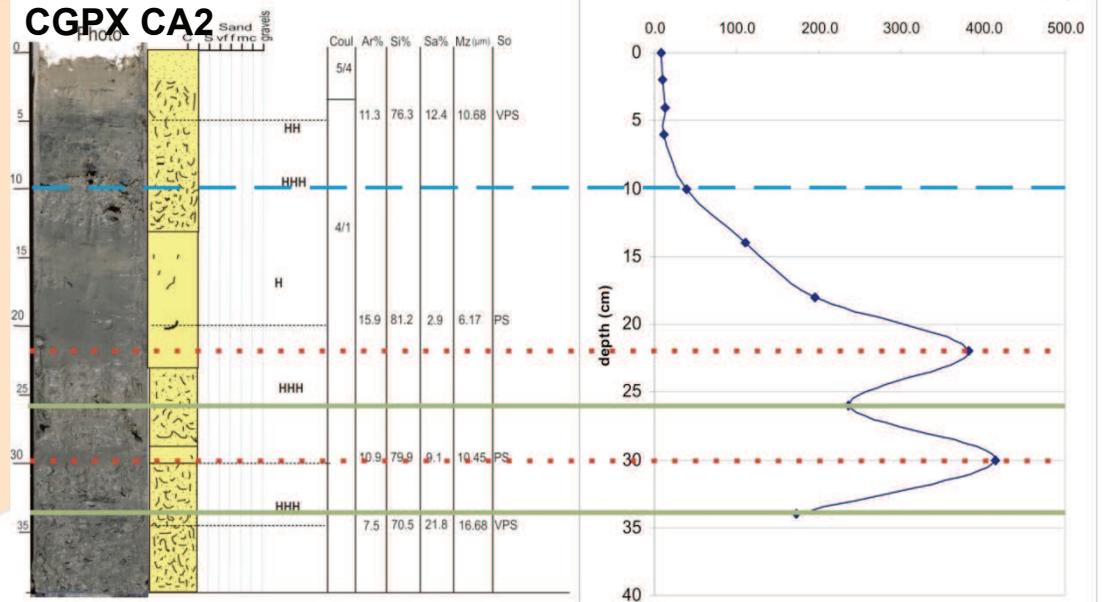
D'après Baltzer et al., 2014

Nature des sédiments dans et hors des Pockmarks (A.Souron)

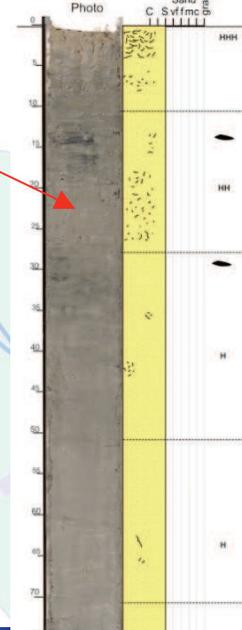


❖ **Granulométrie : Silt sableux**

CGPX CA2

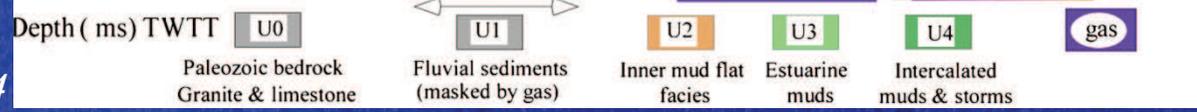
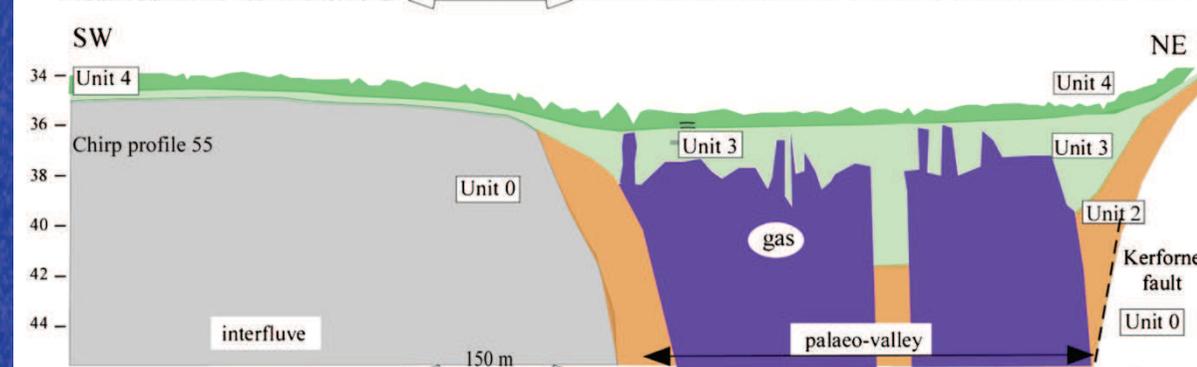
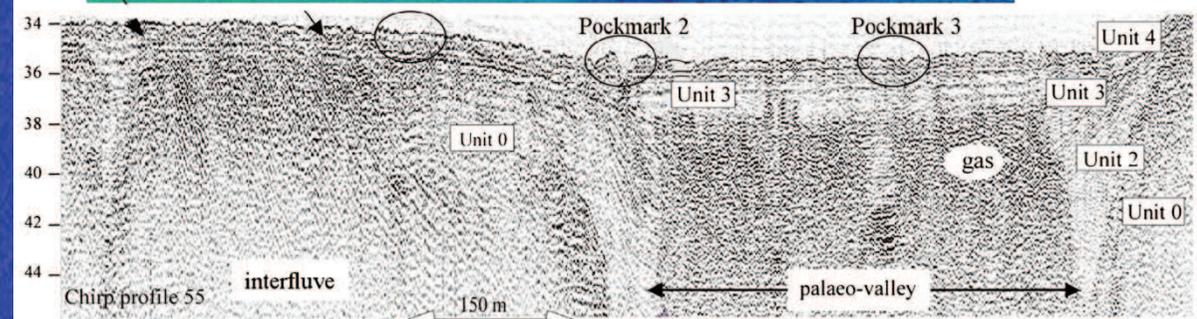
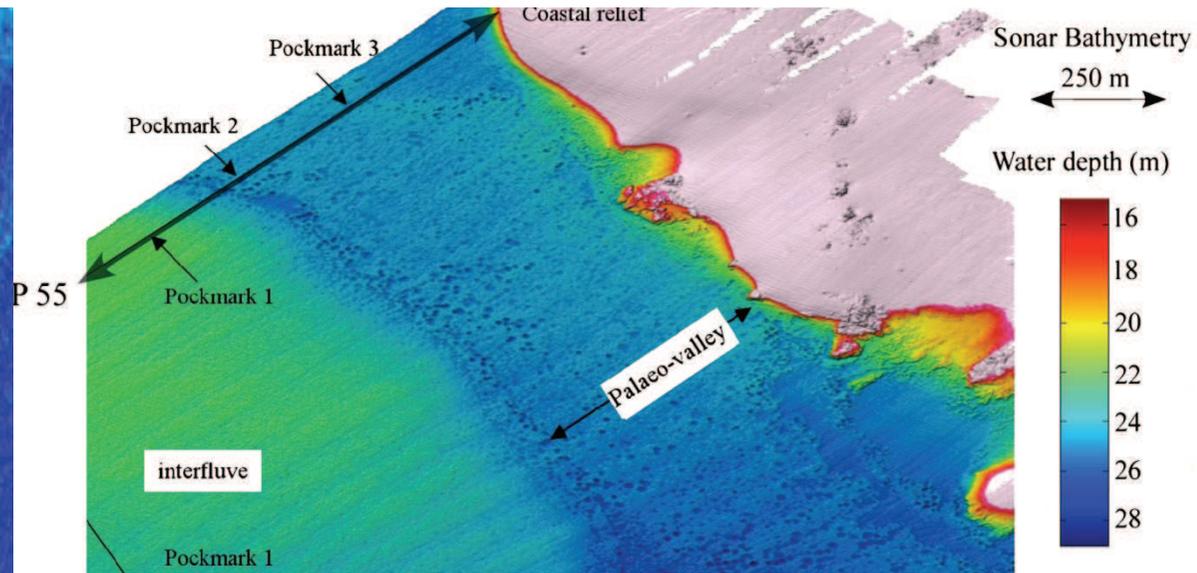


CG3 CA4



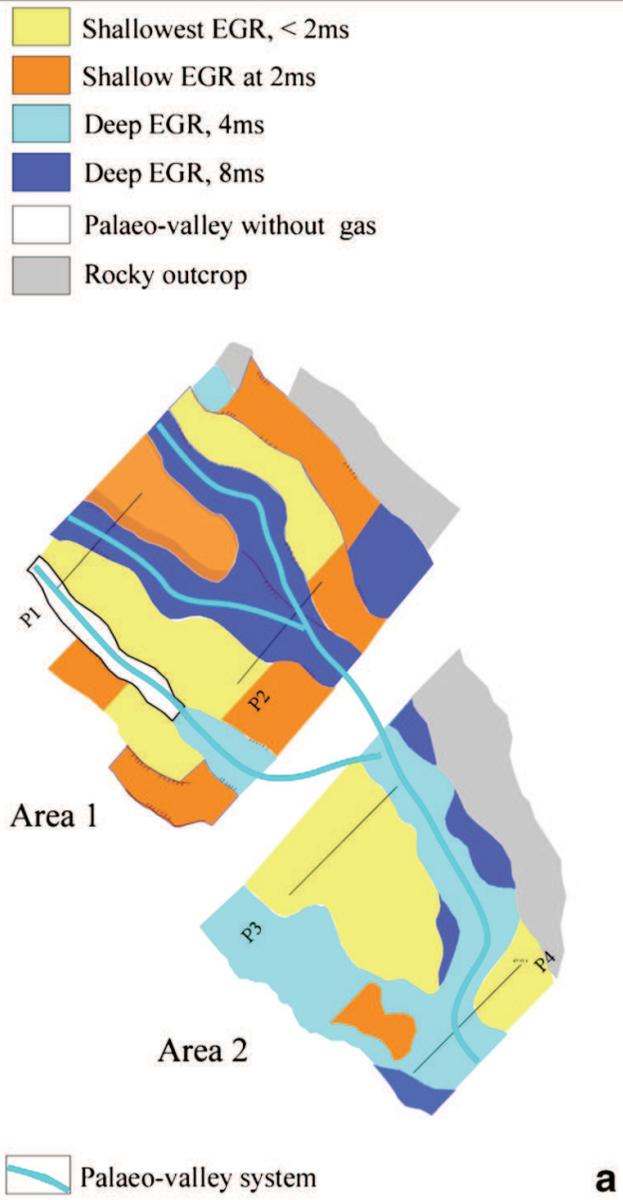
**Facies à Haploops
Baie de Concarneau
(Dans cratère)**

**Facies à Haploops
Baie de Concarneau
(Hors Cratère)**

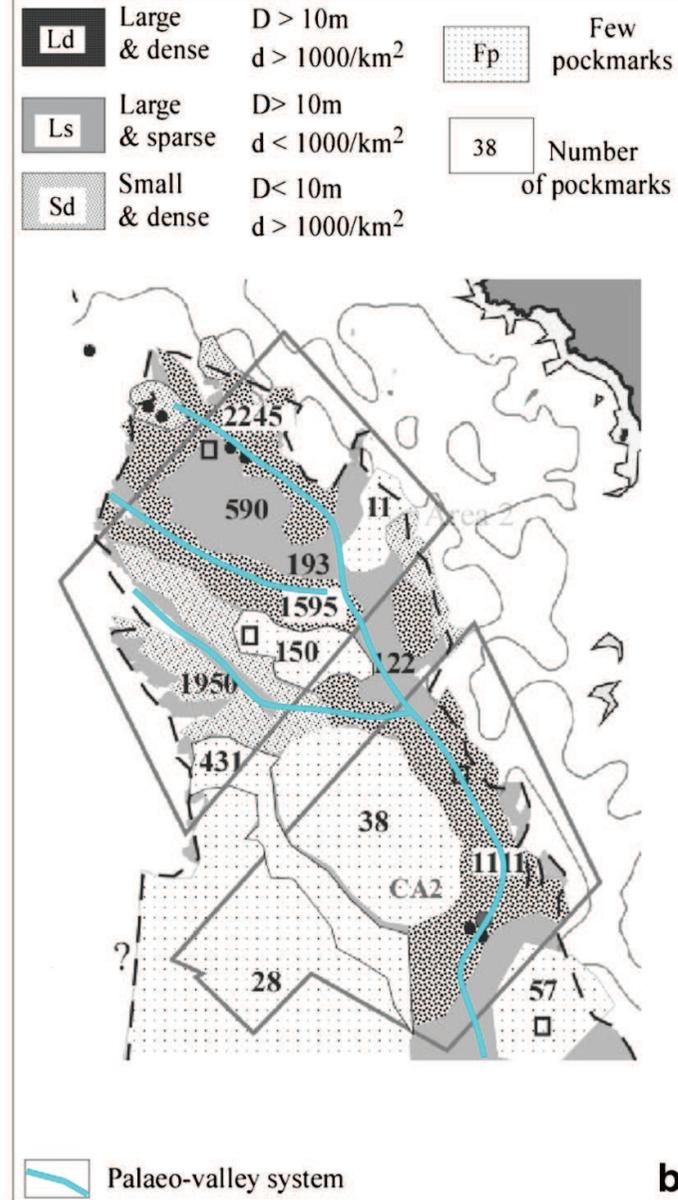


D'après Baltzer et al., 2014

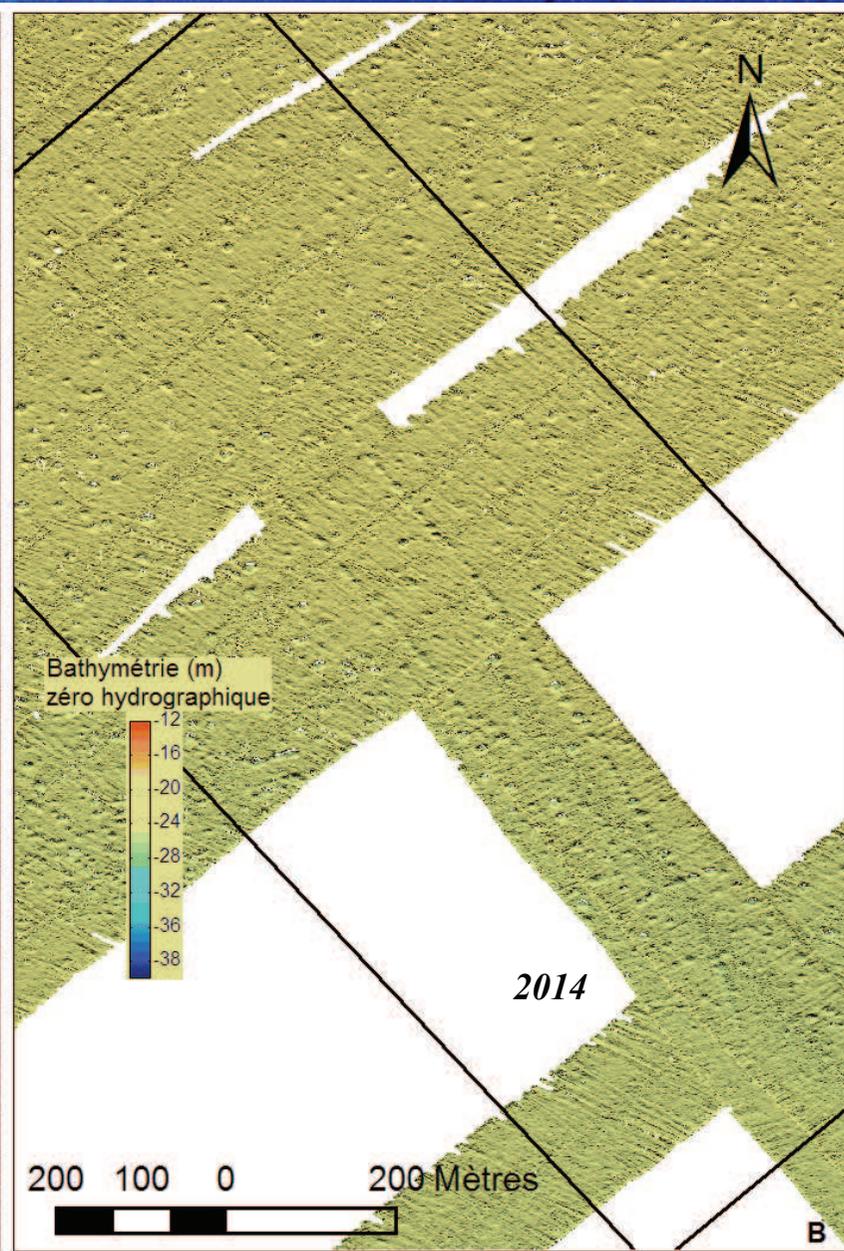
Enhanced gas reflector depth (ms TWTT)



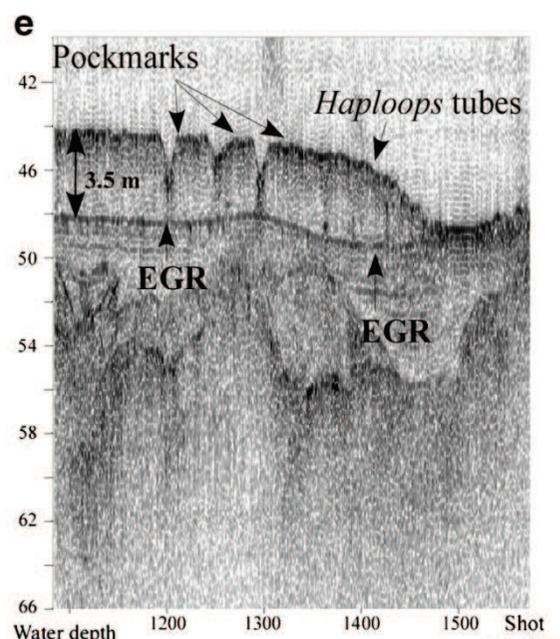
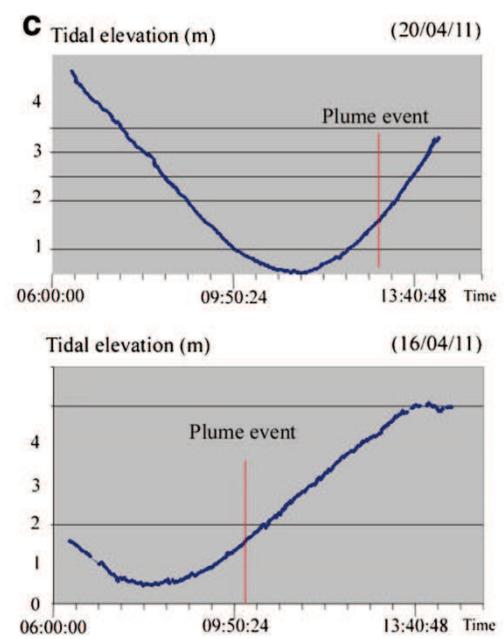
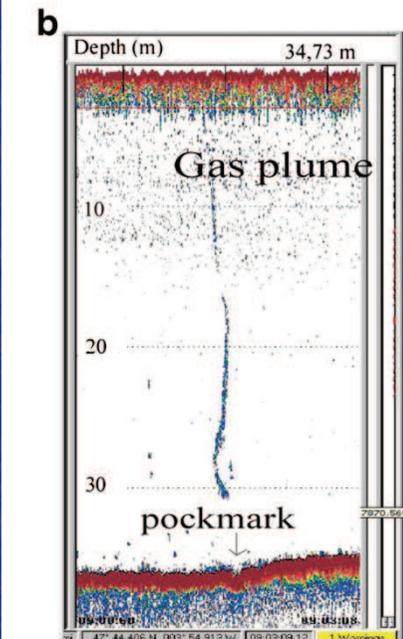
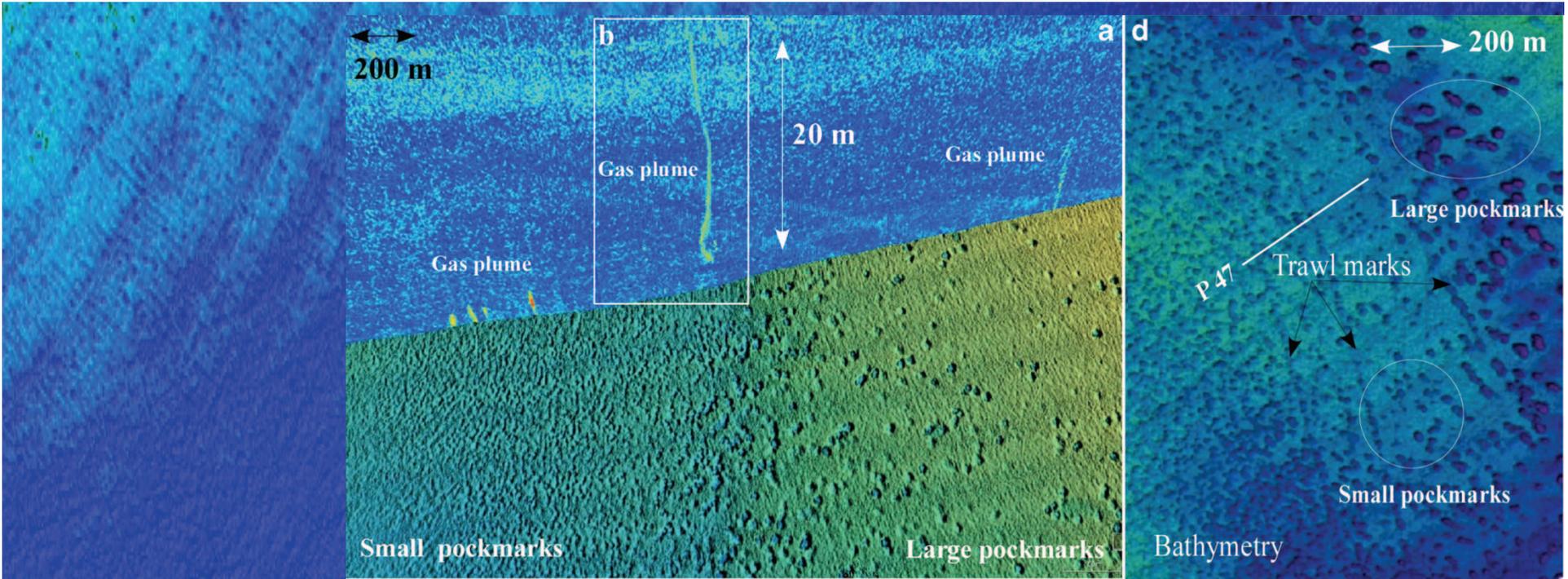
Pockmark distribution



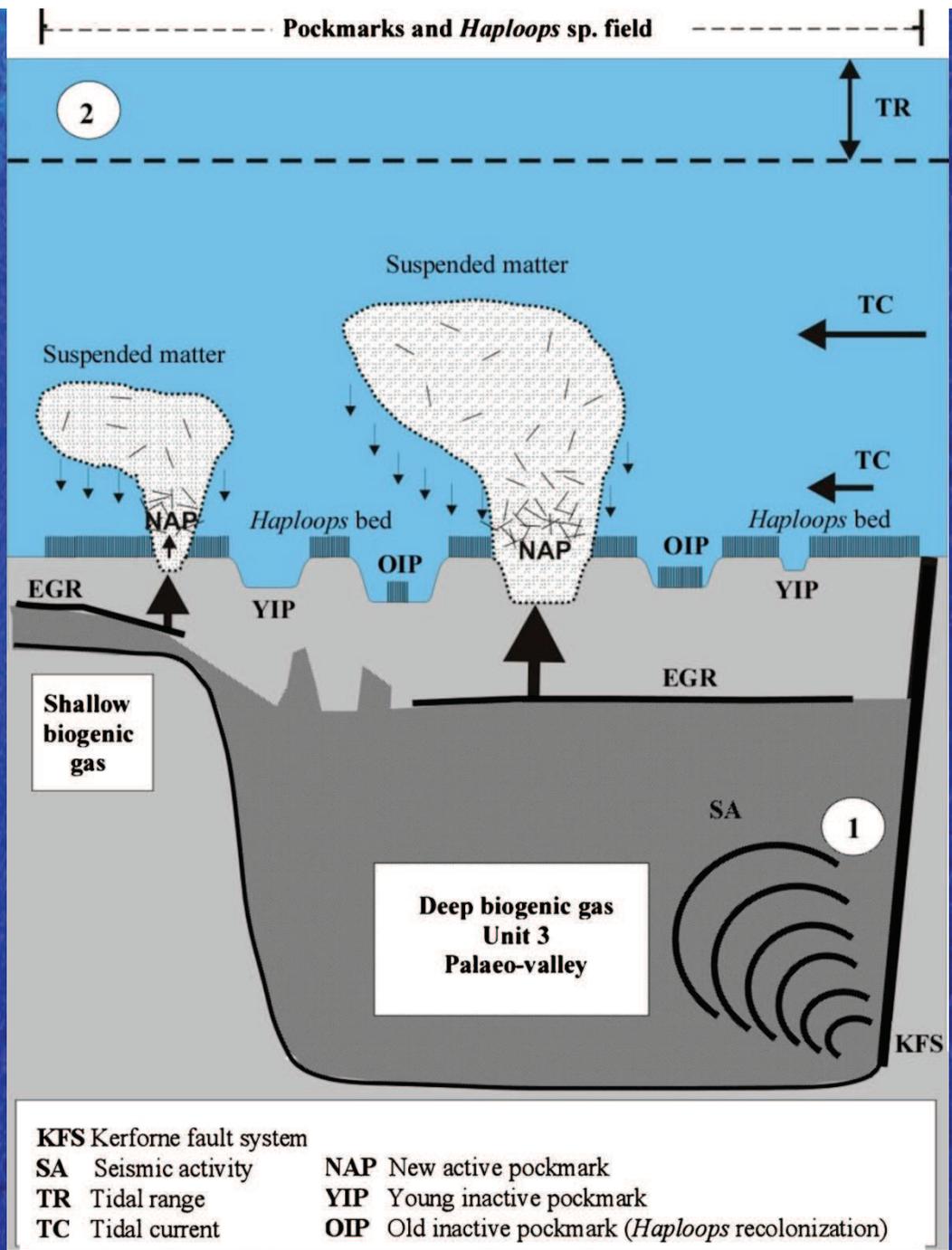
D'après Baltzer et al., 2014



D'après Reynaud et al., 2015



D'après Baltzer *et al.*, 2014



D'après Baltzer et al., 2014

Conclusions

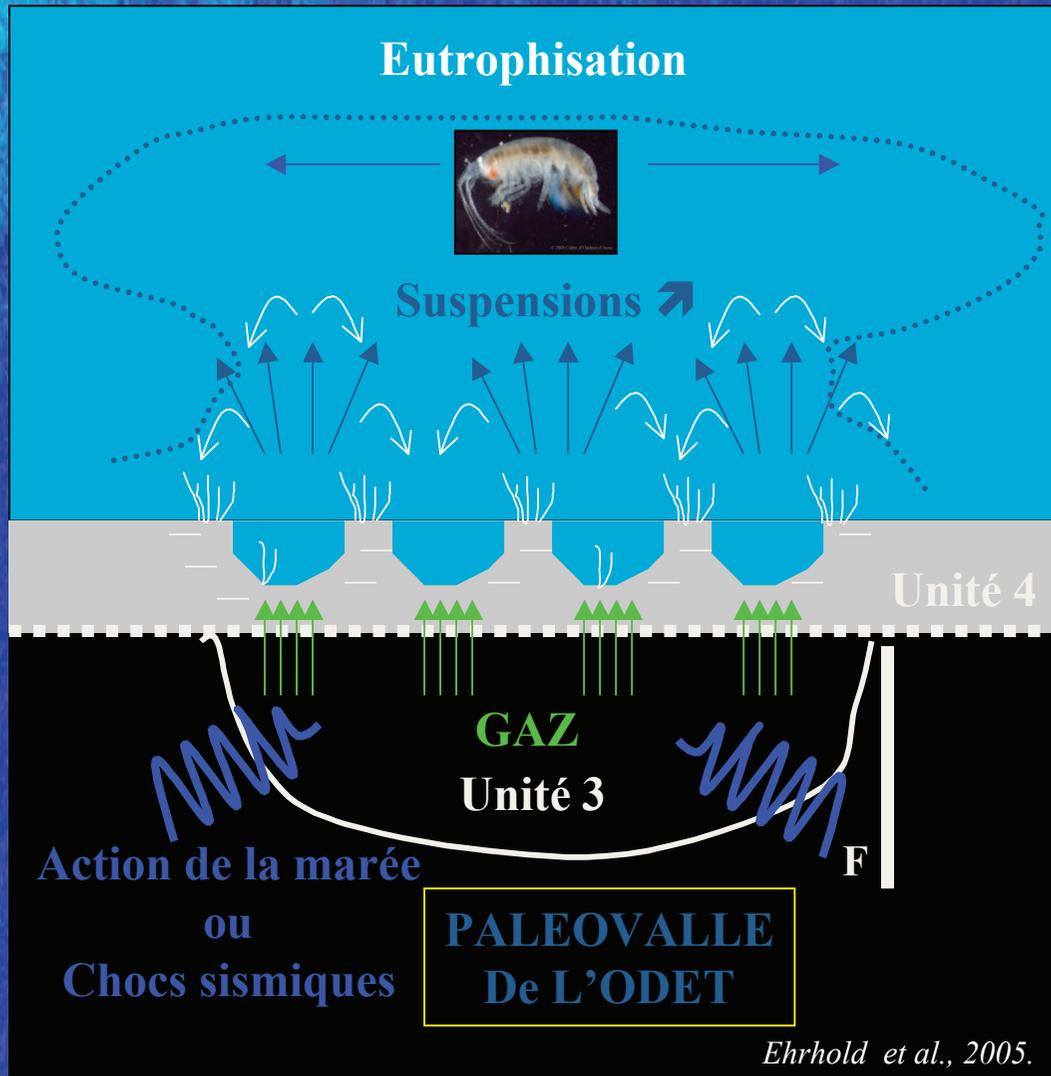
Activité récente des Pockmarks
Activité continue

Turbidité provoquée par les
pockmarks intéresse les haploops

- pour la nourriture
- pour la construction des tubes ?

perspectives :

- Faire des carottages longs
- suivre leur évolution
- observer l'effet de la marée



Formations de tapis de tubes aussi denses (10 000 ind/m²)

3 endroits dans le monde



Mise en place d'un piezomètre à l'Automne 2013



Récupération du piezomètre

Le 1er Avril 2015



Demande de campagne dans la partie maritime de l'estuaire de la Loire

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