



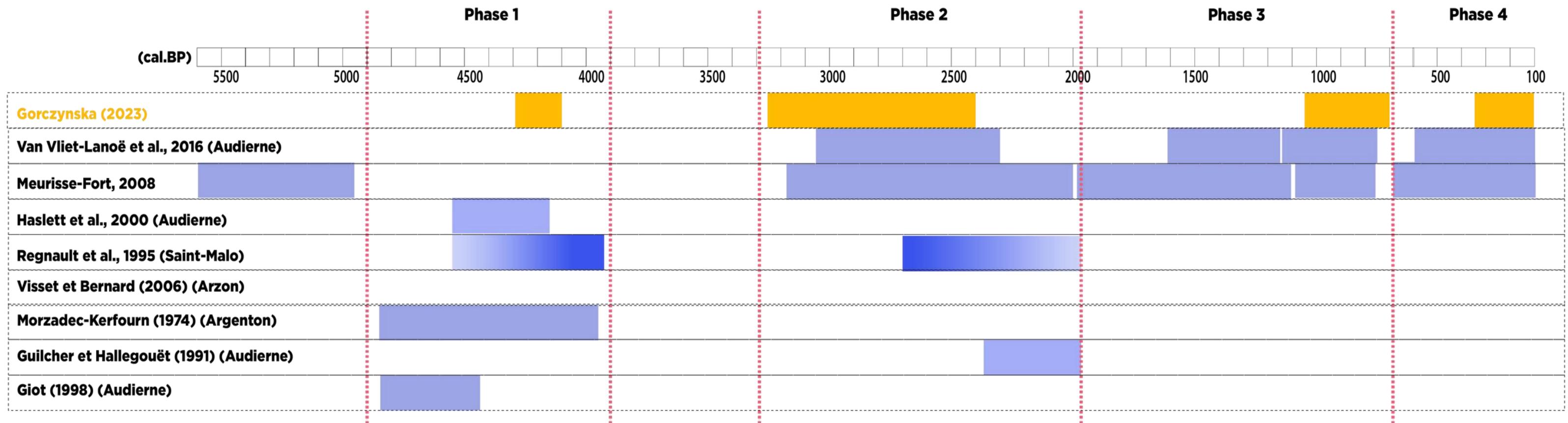
DYNAMIQUES DUNAIRES HOLOCÈNE ET SOCIÉTÉS INSULAIRES DU PASSÉ : ANALYSE DES ÉVÈNEMENTS D'ENSABLEMENTS DE L'ÎLE DE BÉNIGUET ET DES ADAPTATIONS HUMAINES ASSOCIÉES

GILLIAN STÉPHAN, PIERRE STÉPHAN, GUILLAUME GUÉRIN, SERGE SUANEZ, YVAN PAILLER, CLÉMENT NICOLAS, MARYLISE ONFRAY, FRANÇOIS LEVÊQUE

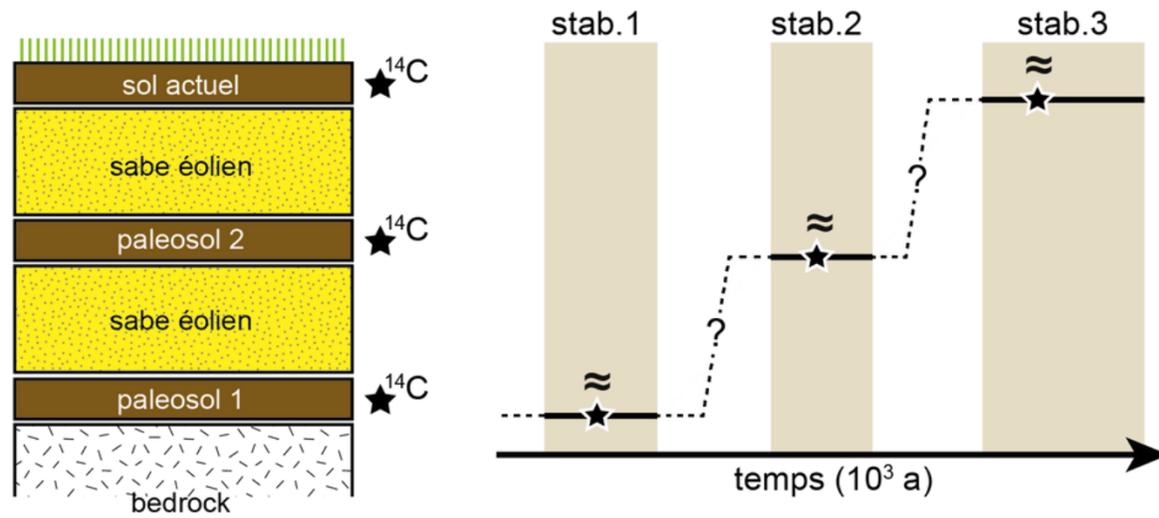
comprendre :

- la morphodynamique à long terme des dunes bretonnes (6000 BP à aujourd'hui)
- > analyse des forçages environnementaux, climatiques et humains
- adaptation/résilience des populations agropastorales établies sur ces territoires littoraux

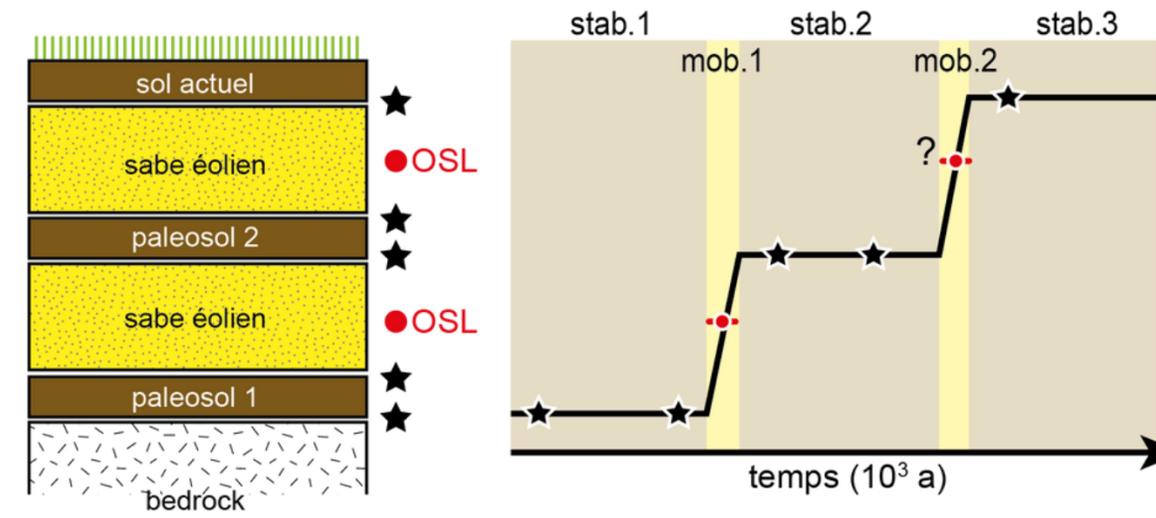
Chronologies des événements d'ensablement en Bretagne



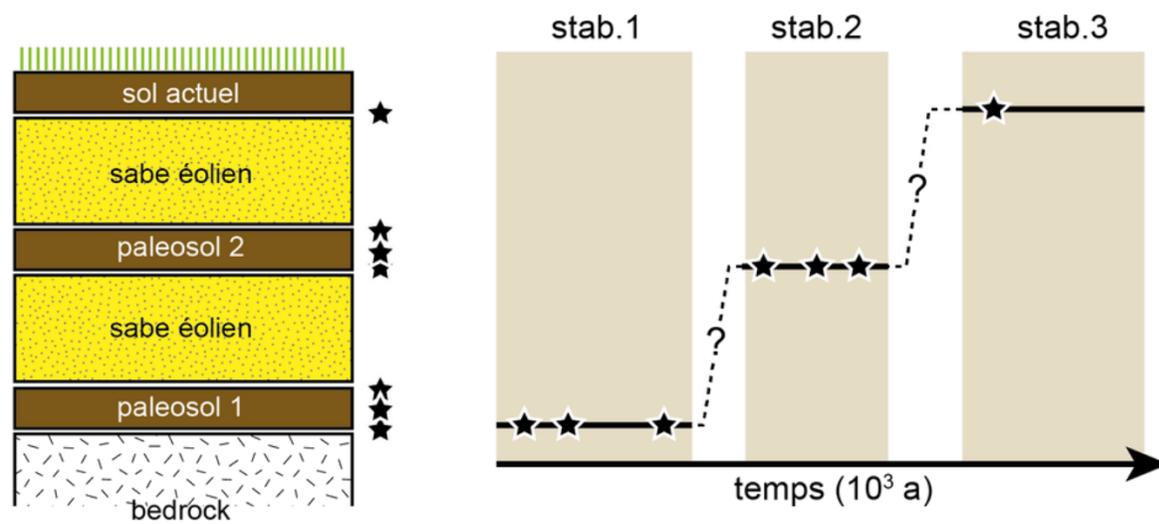
Paleosols interstratif. (peu de ^{14}C)



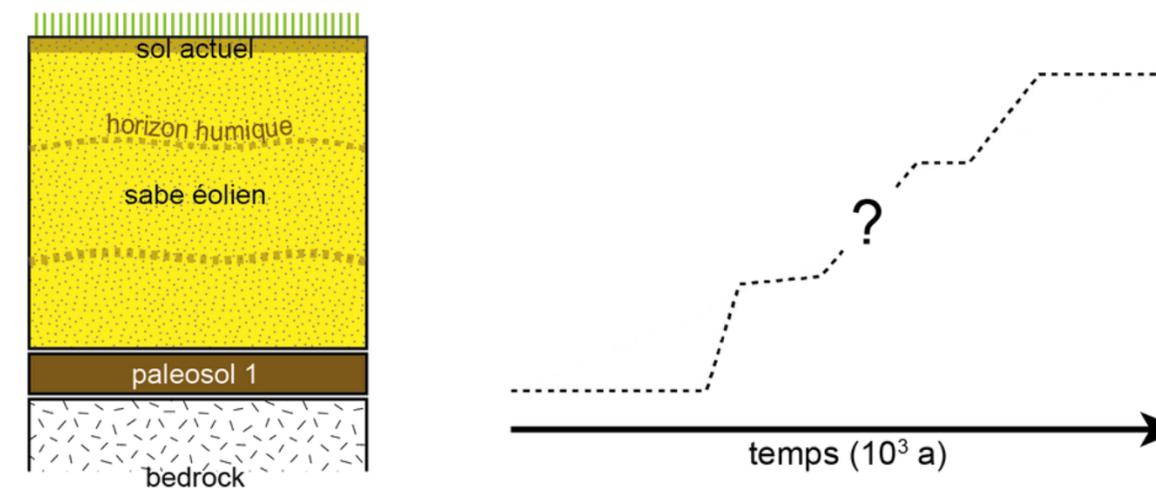
Paleosols interstratif. (^{14}C + OSL)



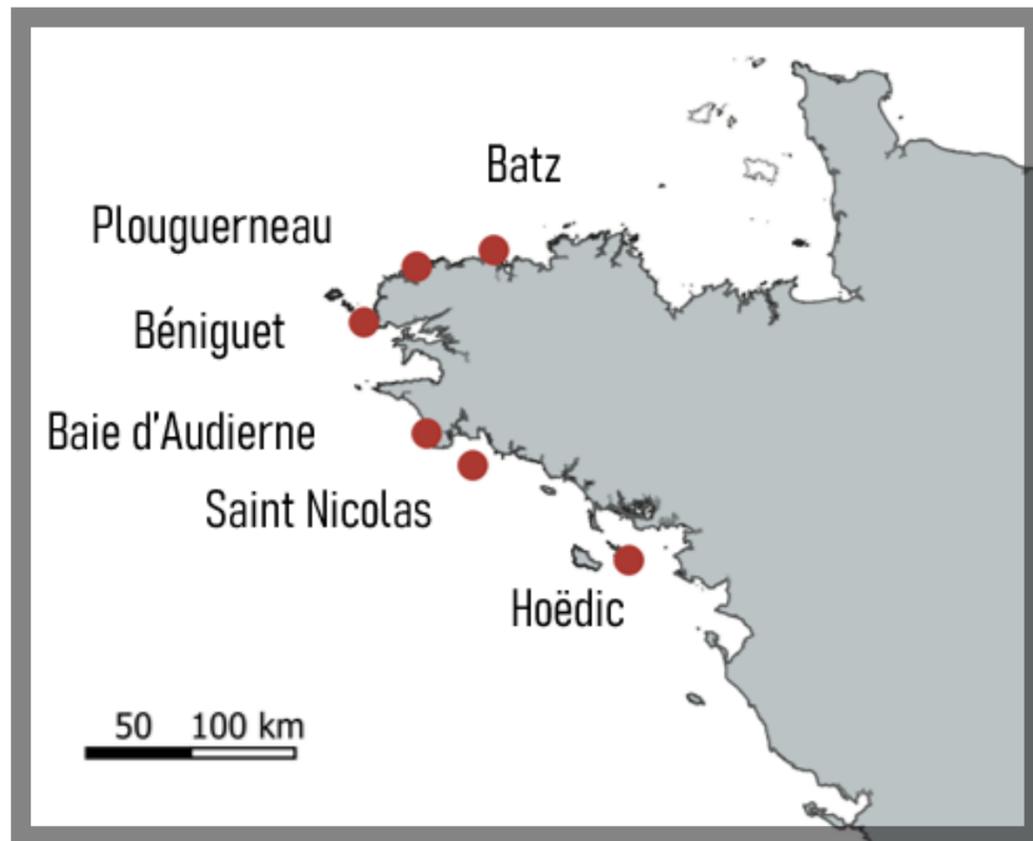
Paleosols interstratif. (beaucoup de ^{14}C)



Contextes armoricains



- volonté d'affiner cette chronologie en associant OSL et ^{14}C



SAINT-NICOLAS (GLÉNAN)



ILE DE BATZ



BÉNIGUET (ARCHIPEL MOLÈNE)



ILIZ KOZ (PLOUGUERNEAU)

CHOIX DES ILES

- **ÎLES DE PETITES TAILLE**
- **STOCK SÉDIMENTAIRE MODESTE**
- **SITES ARCHÉOLOGIQUES**

SITES D'ÉTUDES



GÉORADAR



CAROTTAGES SÉDIMENTAIRES



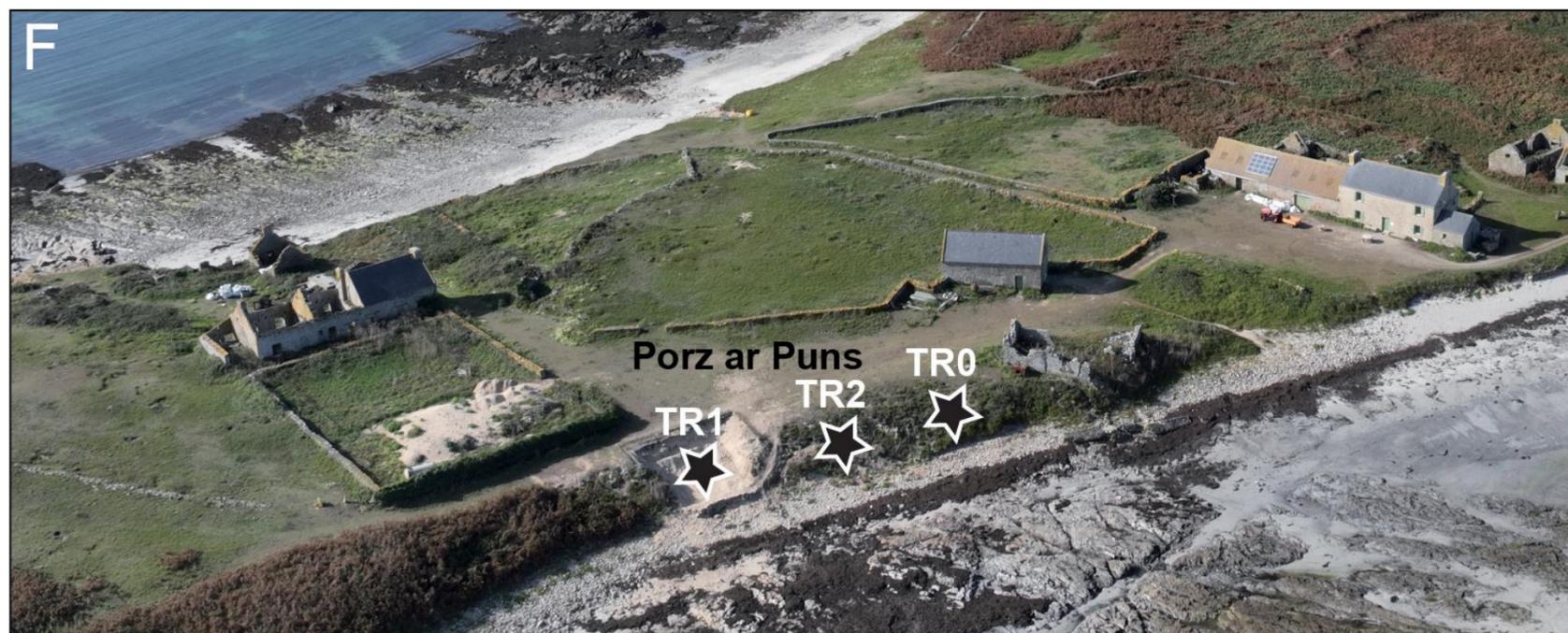
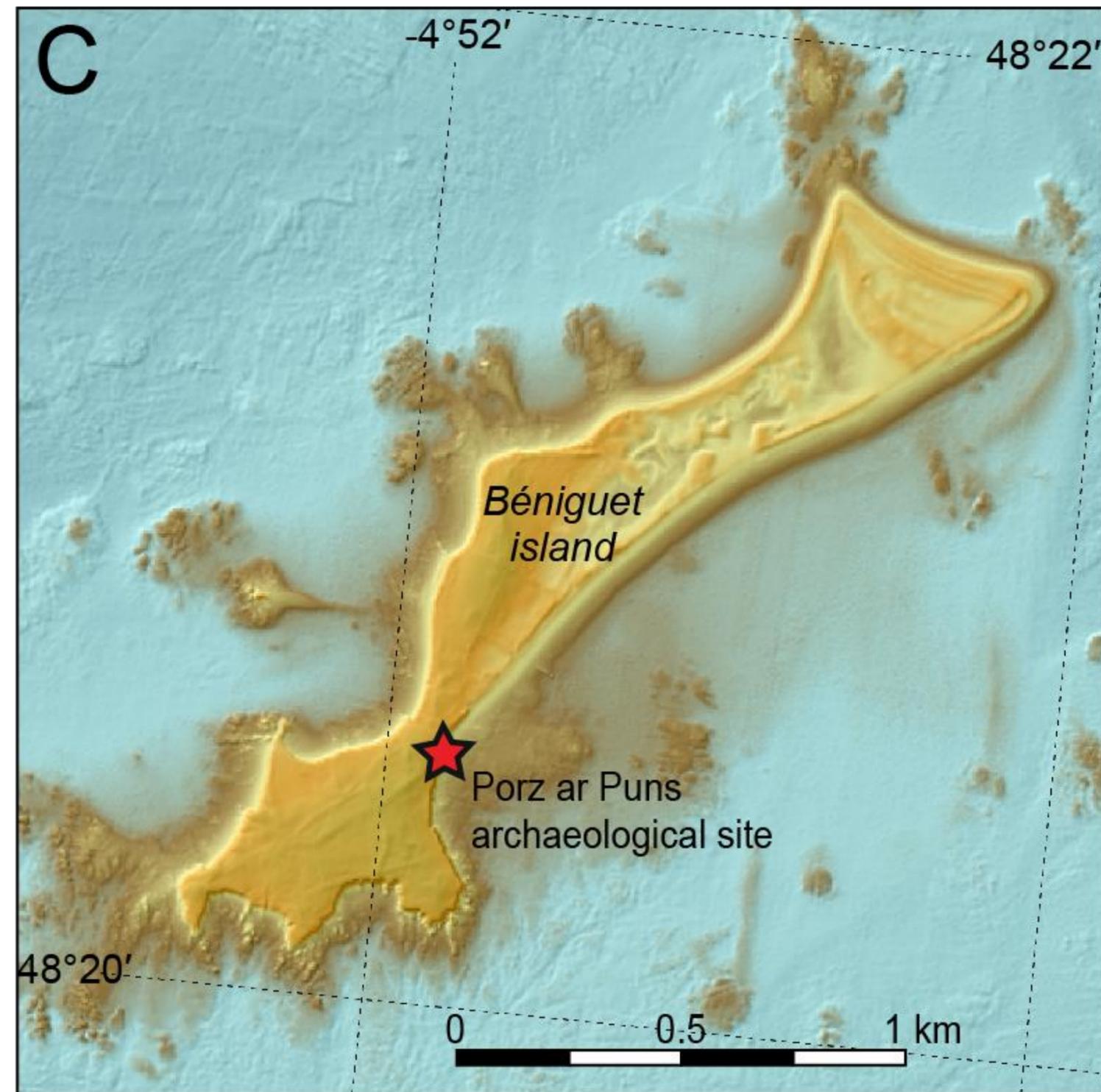
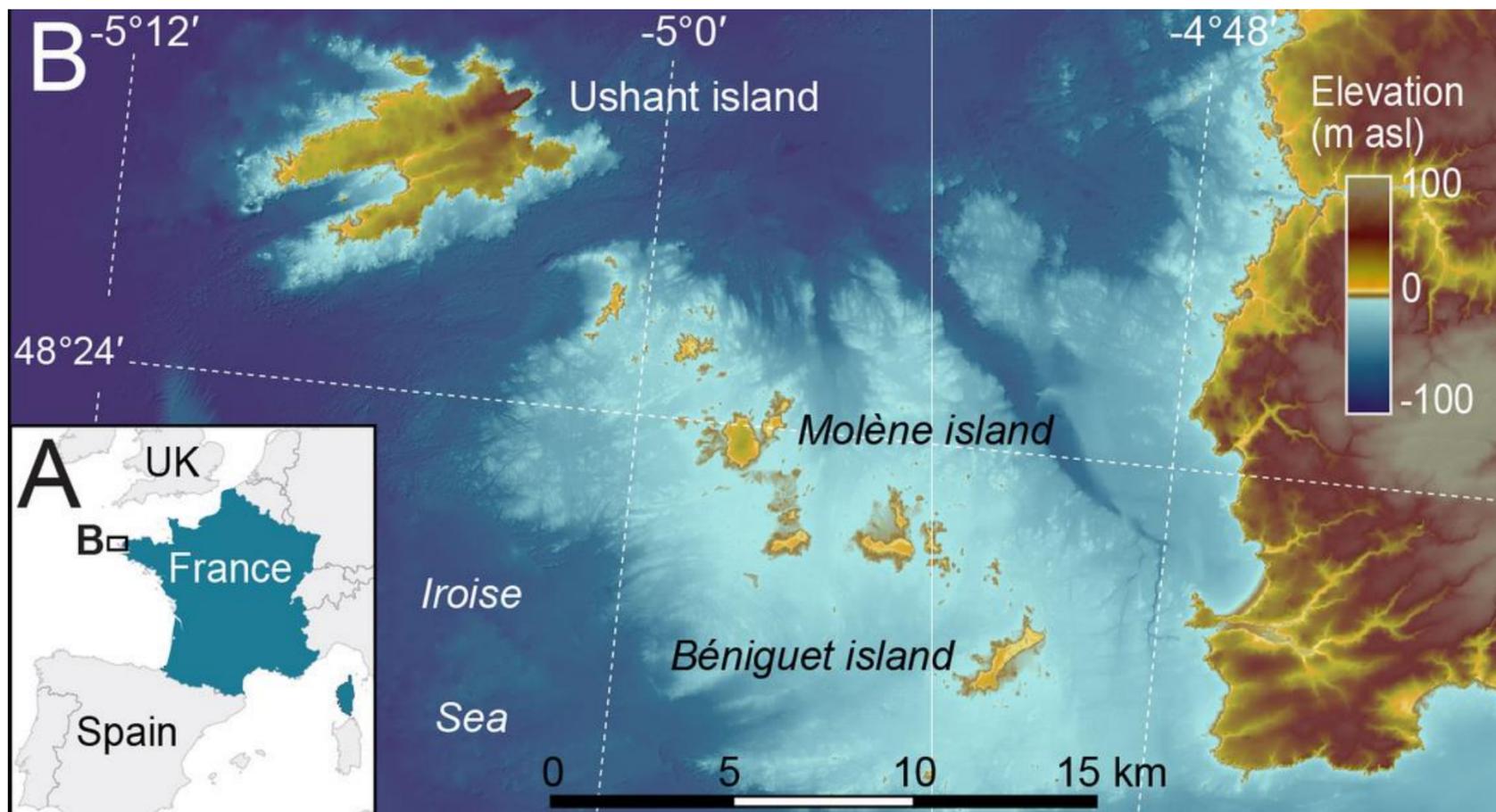
PRÉLÈVEMENTS OSL

OBJECTIFS DE LA MÉTHODE

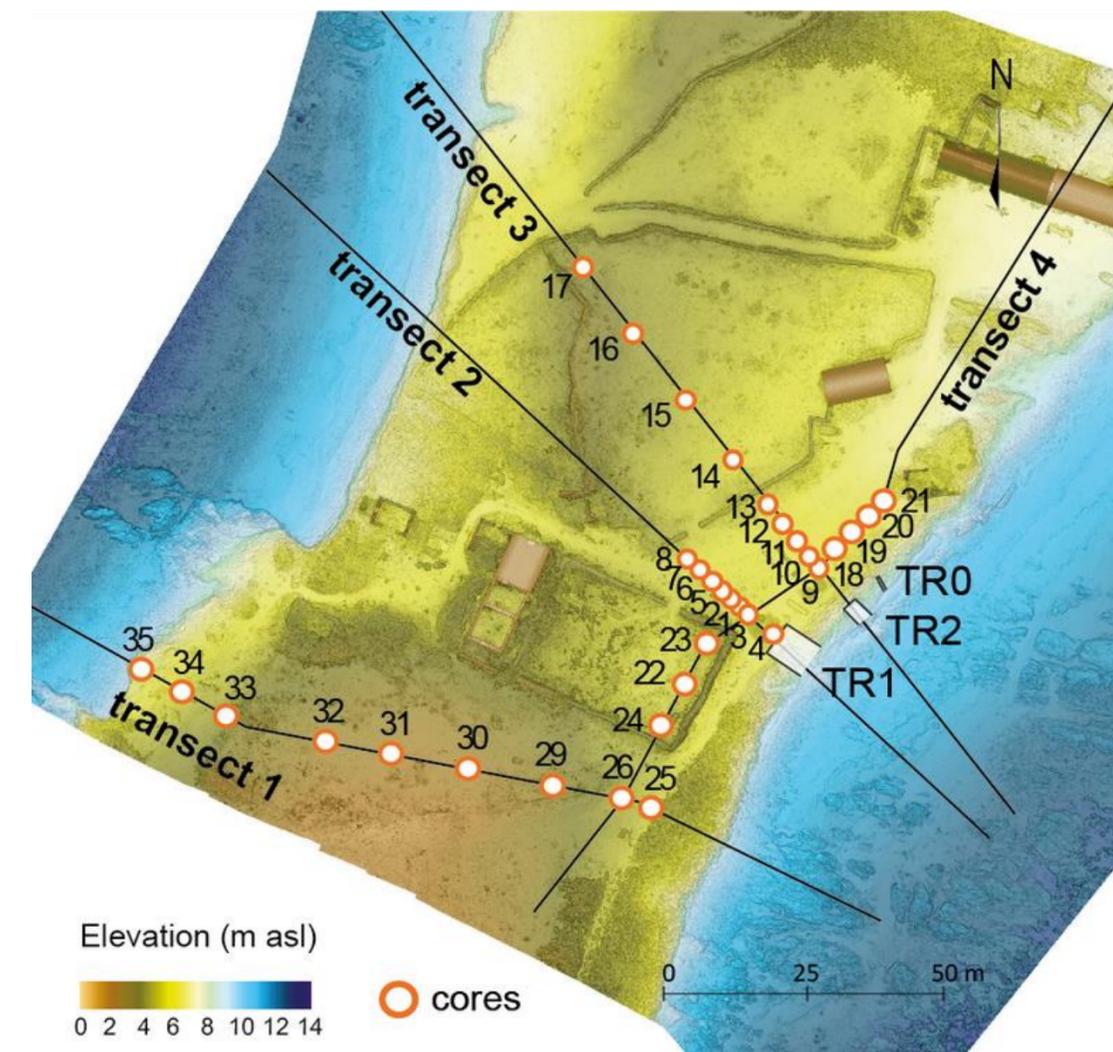
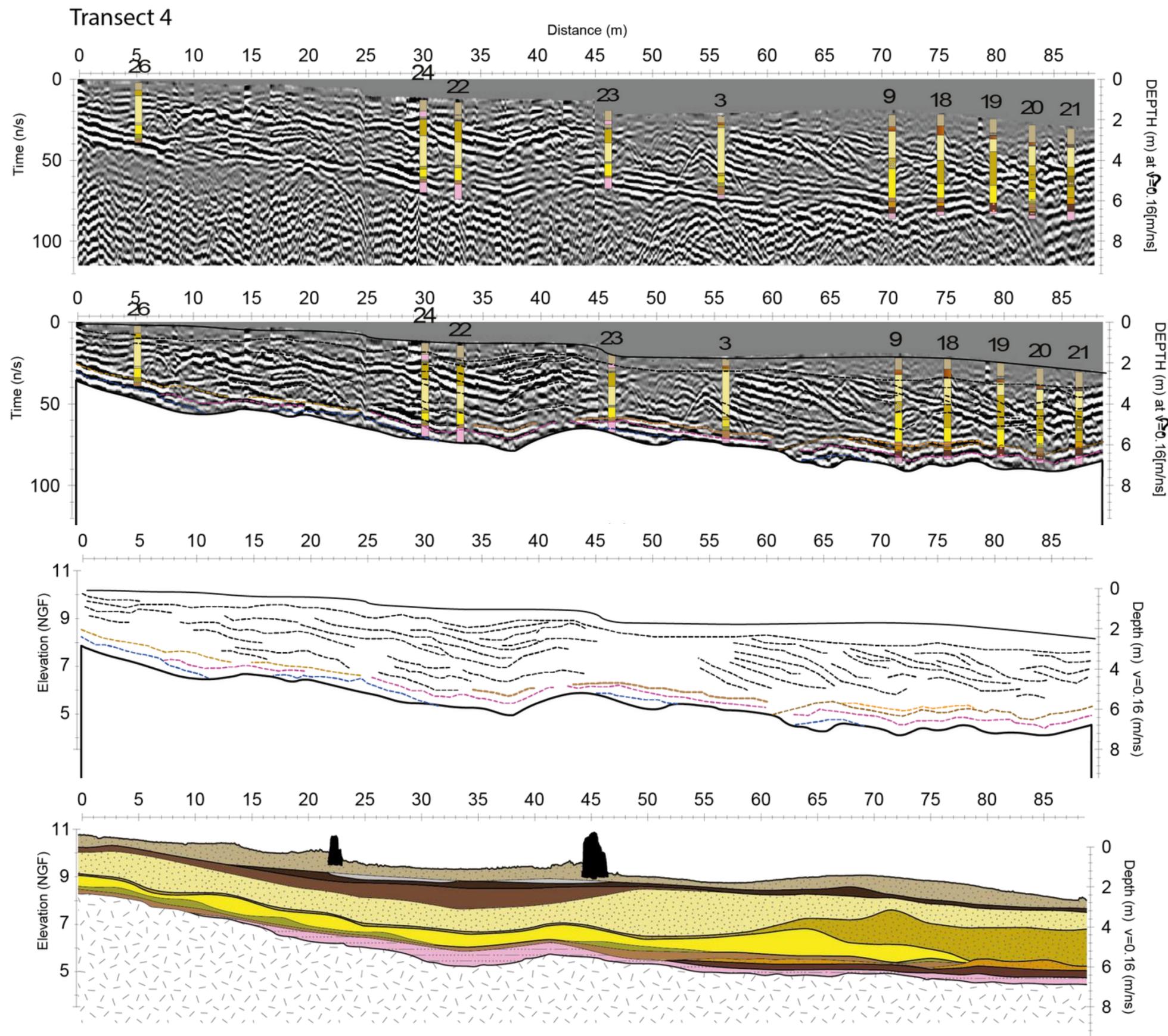
- Analyser la stratigraphie : architecture interne du sous-sol (géoradar et carottages) + sédimentologie
- Connaître la chronostratigraphie : datations ^{14}C et OSL + modélisation bayésienne
- Cerner les contraintes environnementales : fenêtre archéologique

MÉTHODE

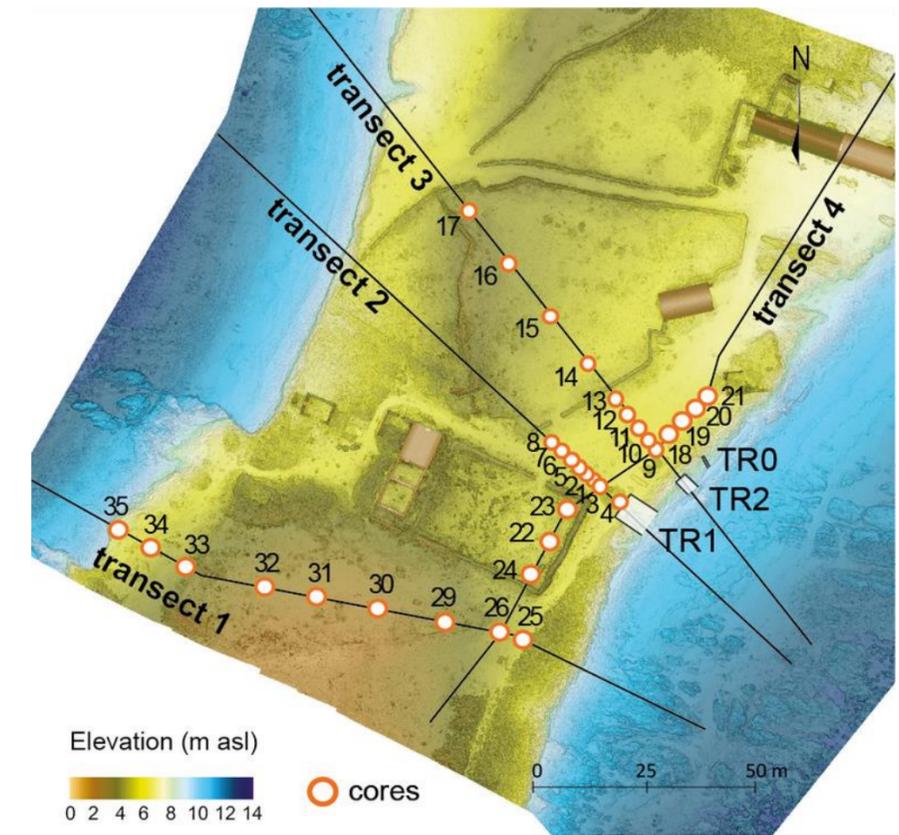
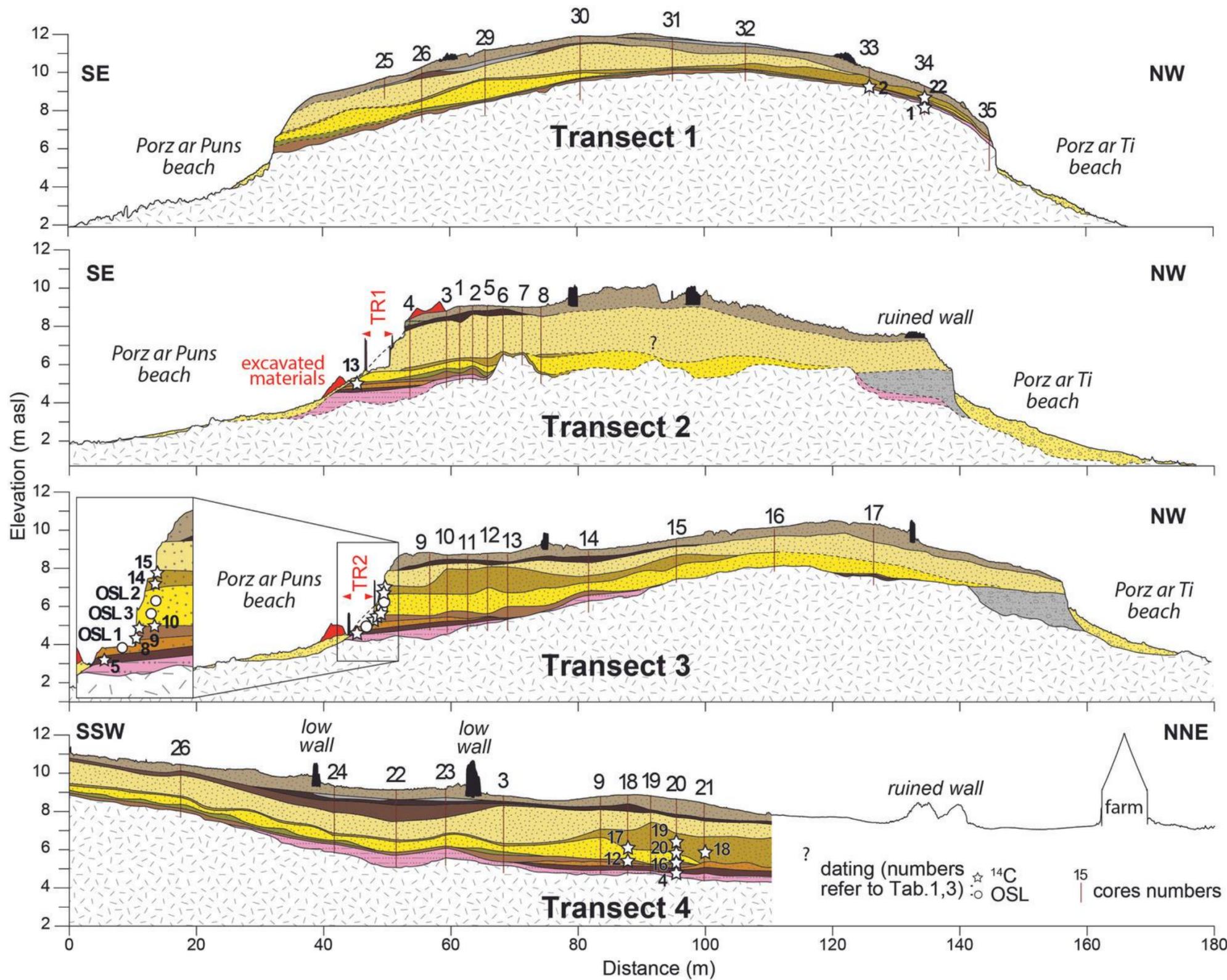
LOCALISATION DE BÉNIGUET



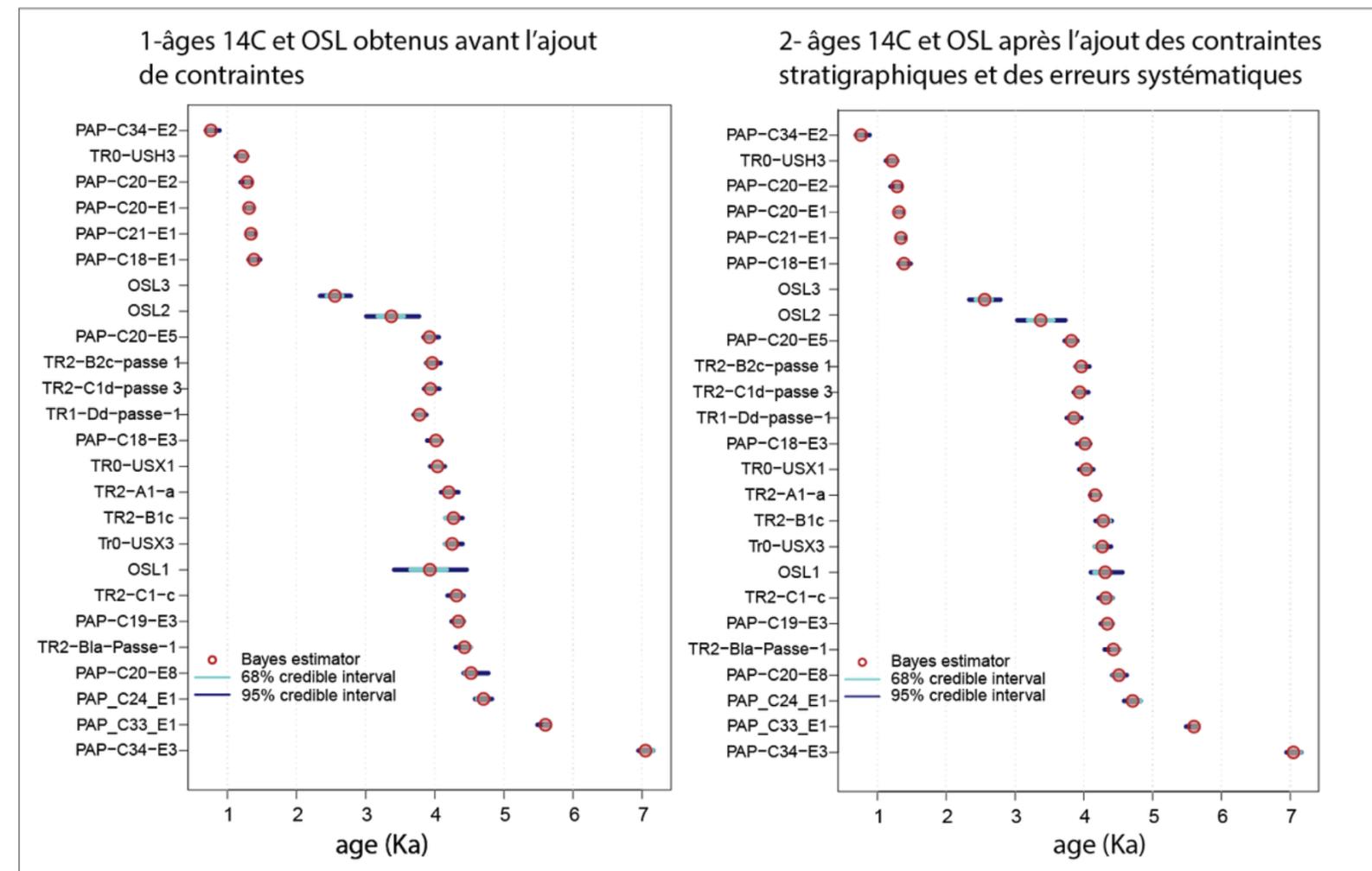
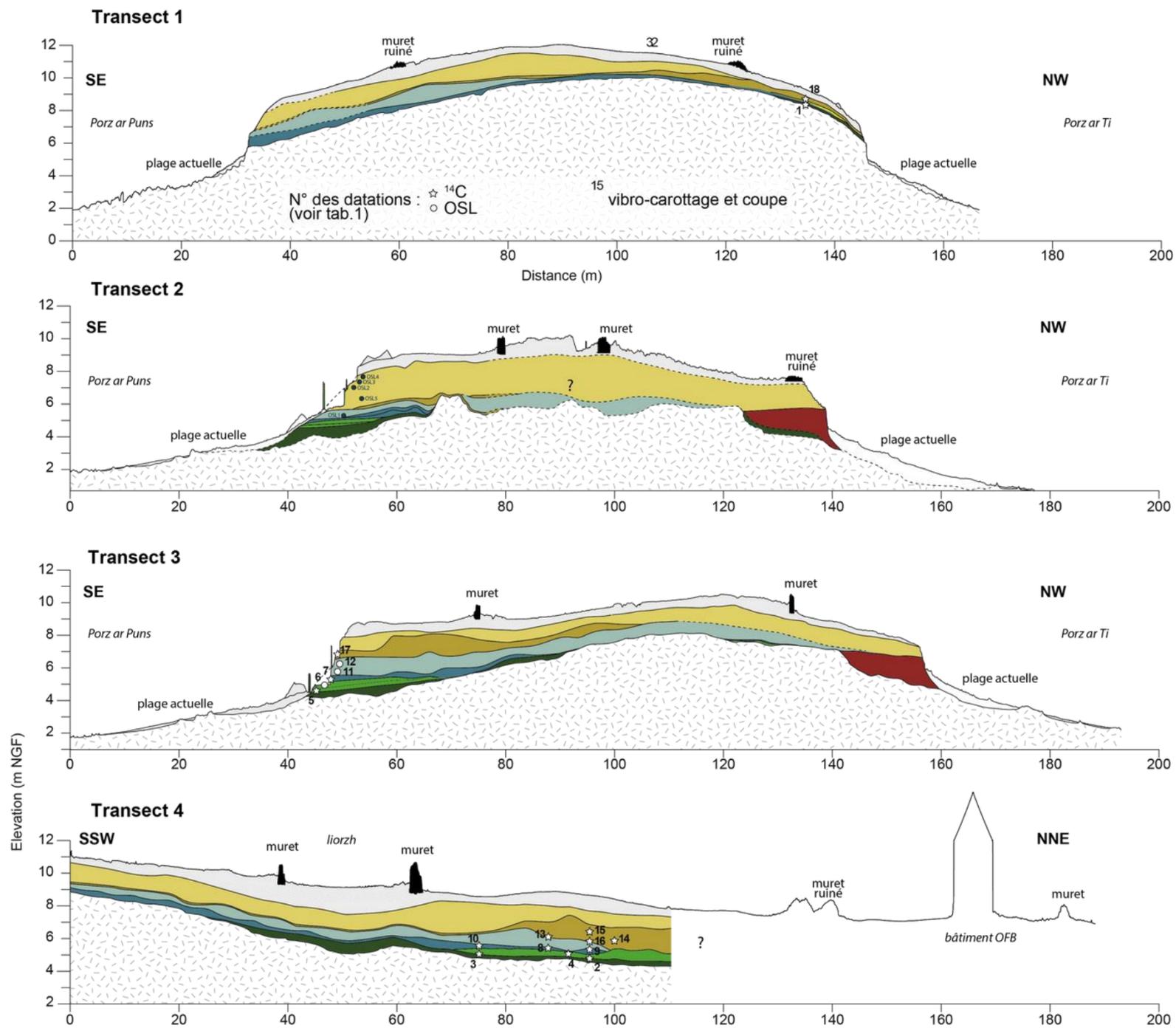
RÉSULTATS



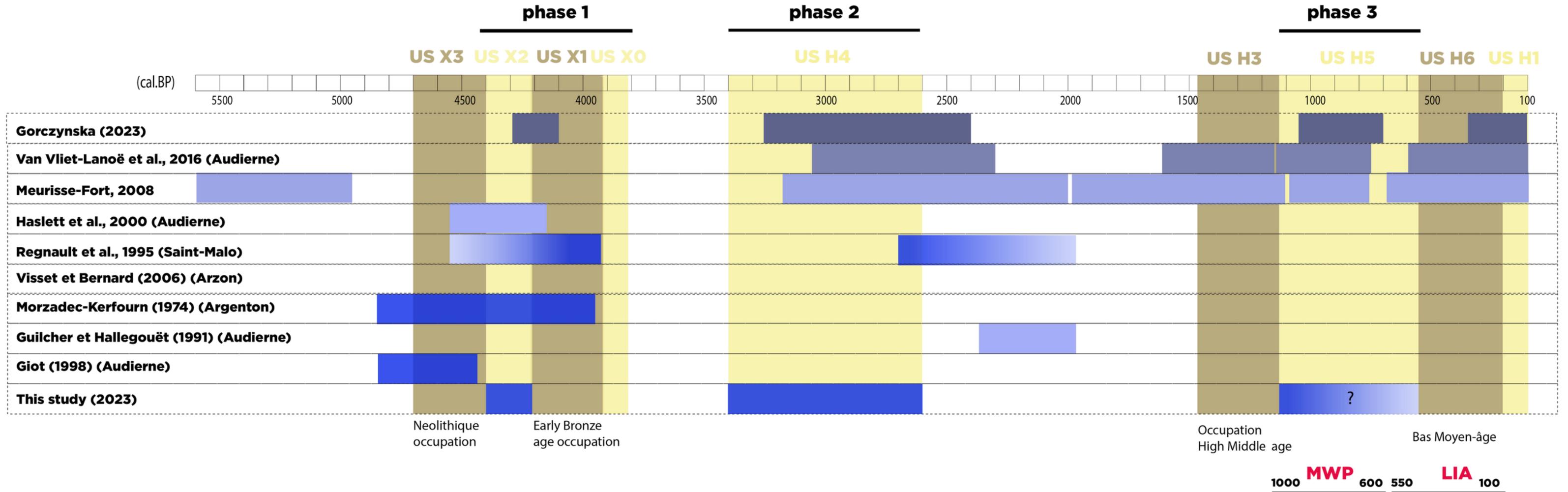
STRATIGRAPHIE



- Elevation (m asl)
0 2 4 6 8 10 12 14
- cores
- USH1 dark brown fine shell sand (current soil)
 - USH2 rolled pebbles
 - USH6c loess silt (anthropogenic input)
 - USH6b black, organic silty sand with limpets, bones and ceramics
 - USH6a brown silty sand
 - USH5 white shell sand (wind)
 - USH3 light brown silty sand with scattered limestone (eolian)
 - USH4 white shelly sand (wind)
 - USX0 brown limpet sand
 - USX1 brown sandy silt with limpets
 - USX2 brown/orange silty sand
 - USX3 brown clayey silt with limpets
 - JSX4/5 loess silt/weathering clay
 - Pleistocene pebbles

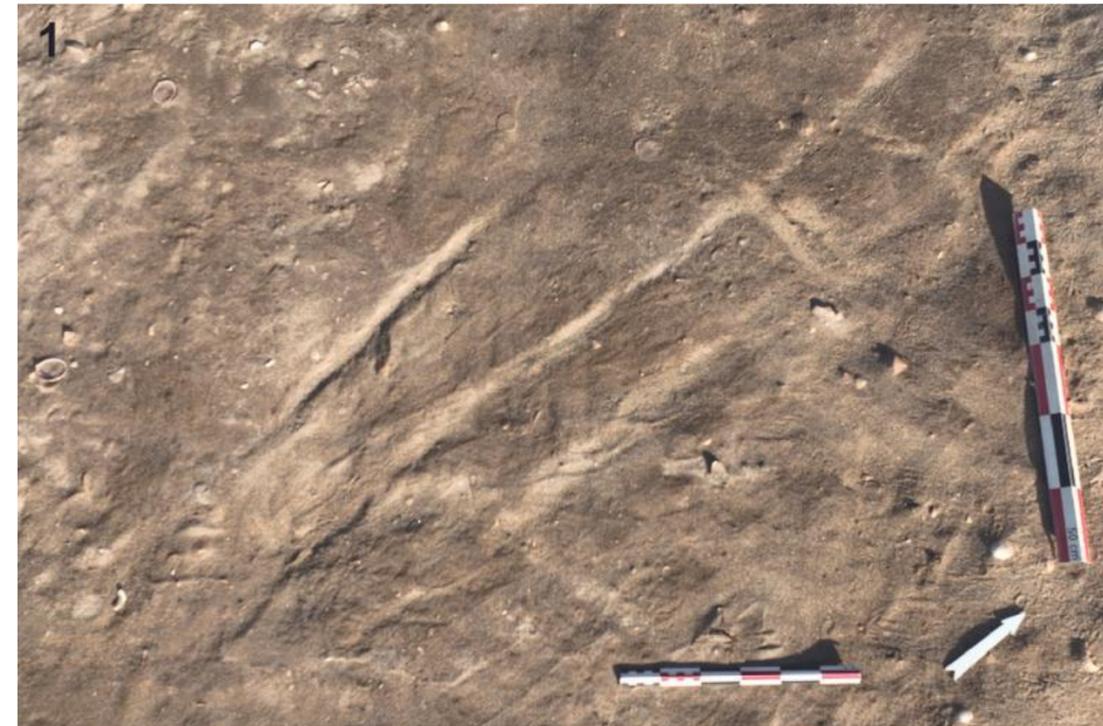
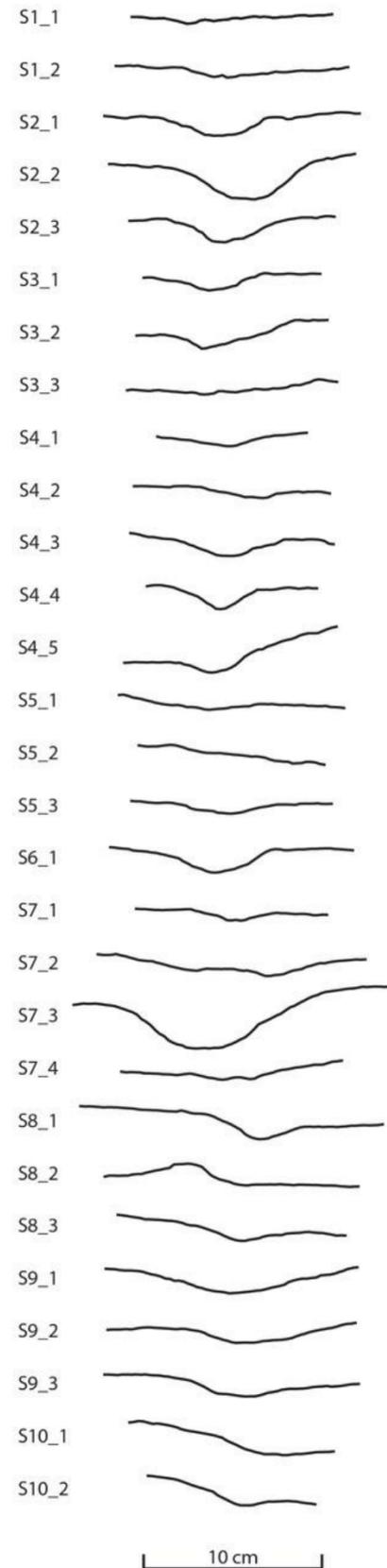
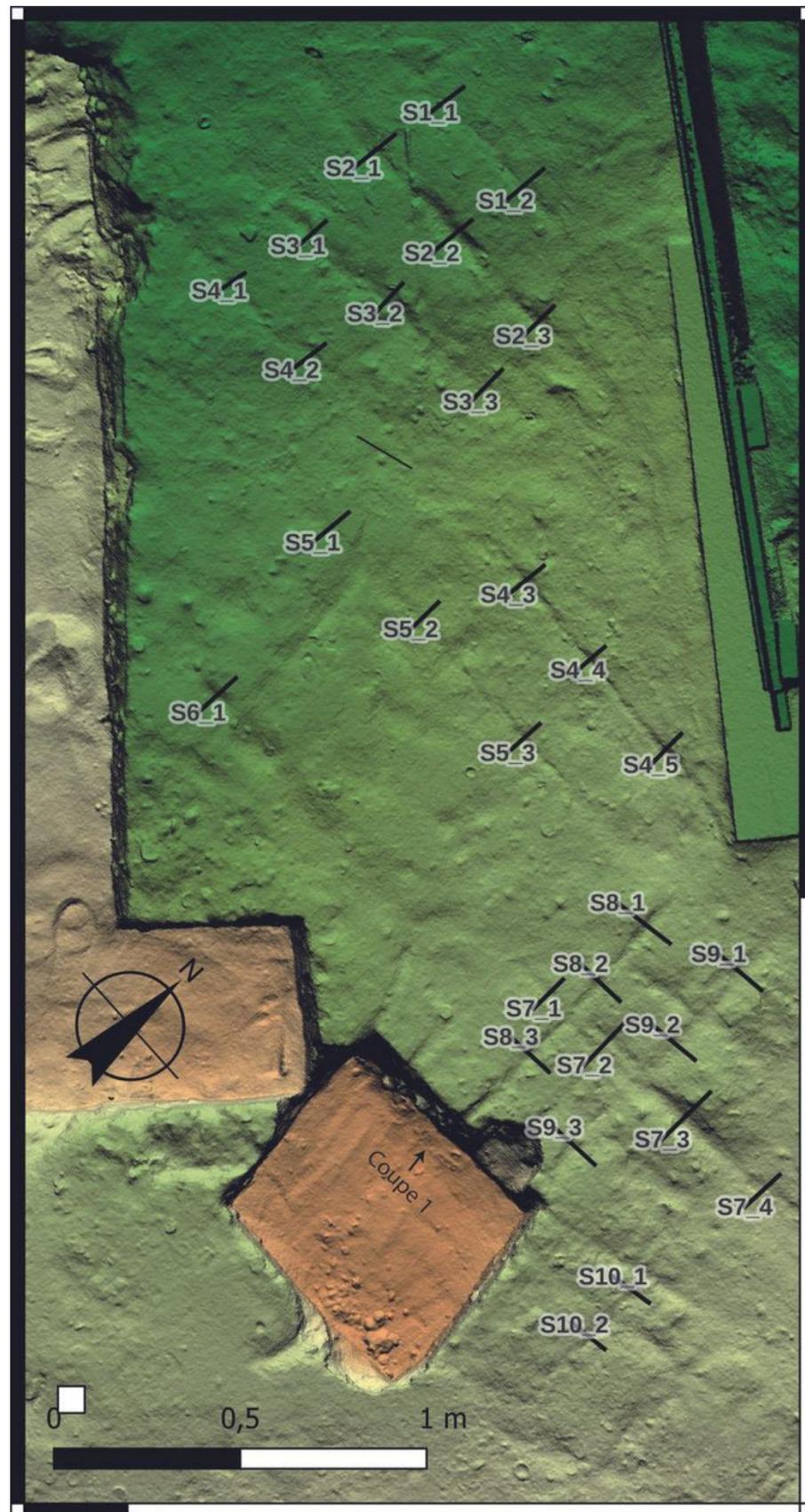


PHASES ÉOLIENNES



RÉSULTATS

MISE EN CULTURE ET ENSABLEMENT



An aerial photograph of a coastal area featuring a sandy beach, turquoise water, and a white rectangular overlay with the text 'MERCI DE VOTRE ATTENTION'. The landscape includes a sandy beach, turquoise water, and a white rectangular overlay with the text 'MERCI DE VOTRE ATTENTION'. The background shows a complex coastline with various landforms and water bodies.

MERCI DE VOTRE ATTENTION