



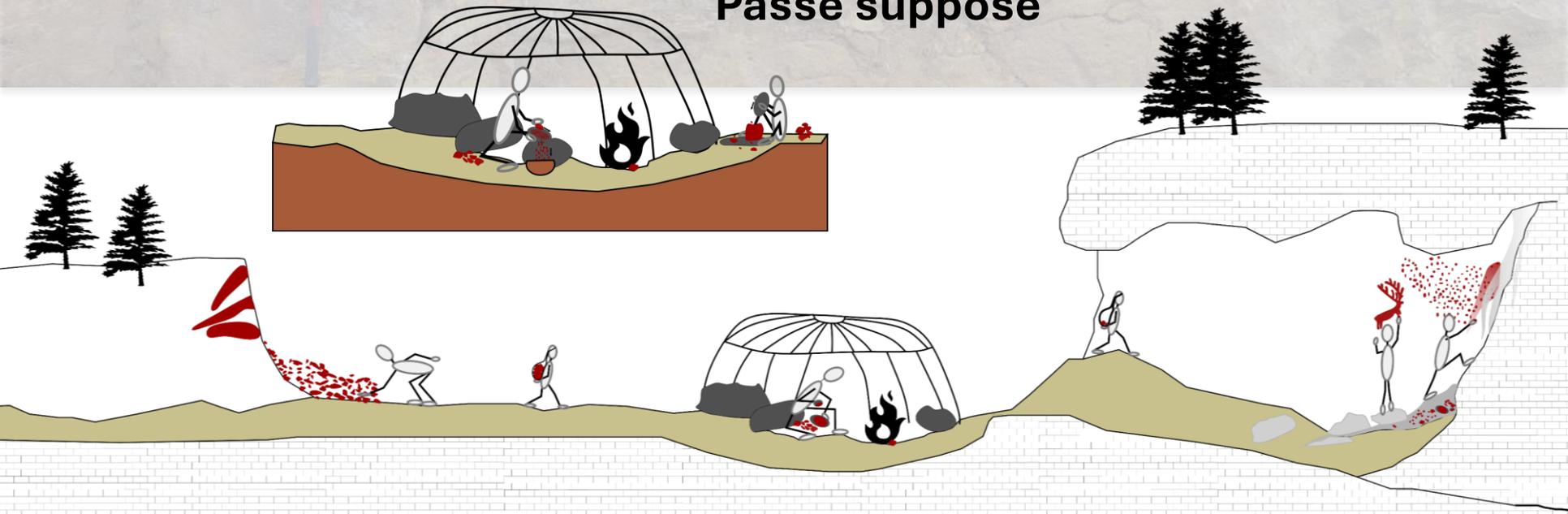
Les matières colorantes : une économie de la Préhistoire

Claire Chanteraud, Hélène Salomon

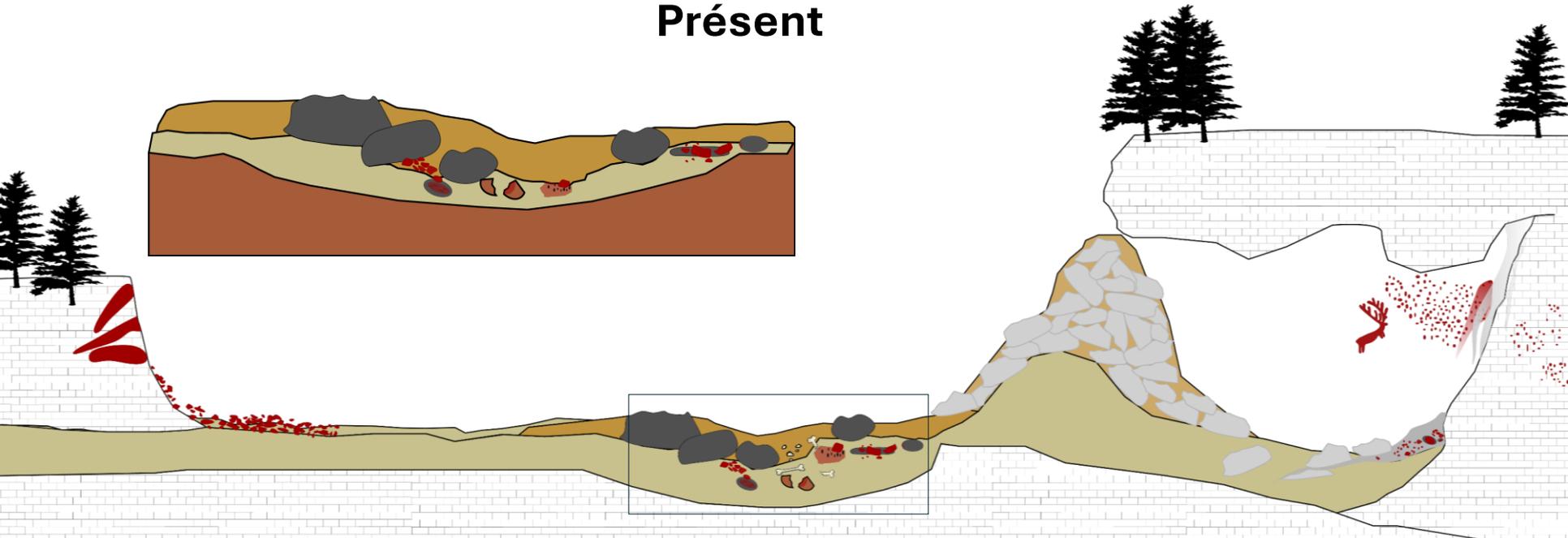


M. Jamon

Passé supposé



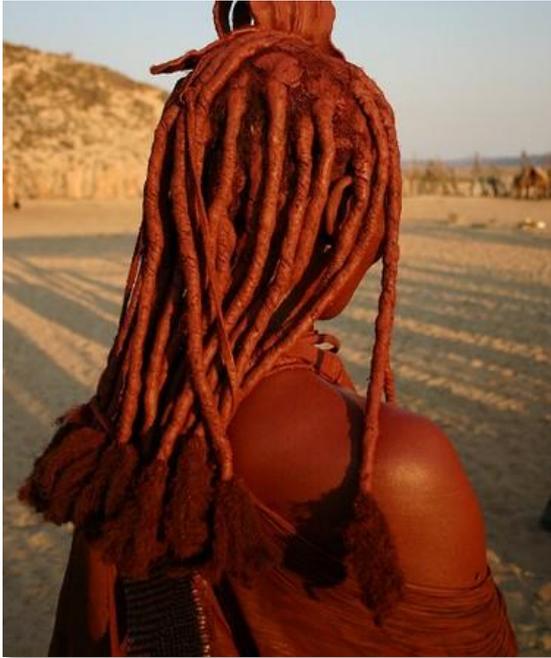
Présent



Matières colorante et pratiques symboliques ?



Matières colorante et pratiques symboliques ?



« il faut se peindre pour être de vrais hommes. Celui qui conserve sa propre peau ne se distingue pas du reste du monde vivant et du visible. Il n'appartient pas au groupe : il ne s'appartient pas » (Lévi-Strauss 1955, p. 162). Et une opération de « chirurgie picturale greffe l'art sur le corps humain ».



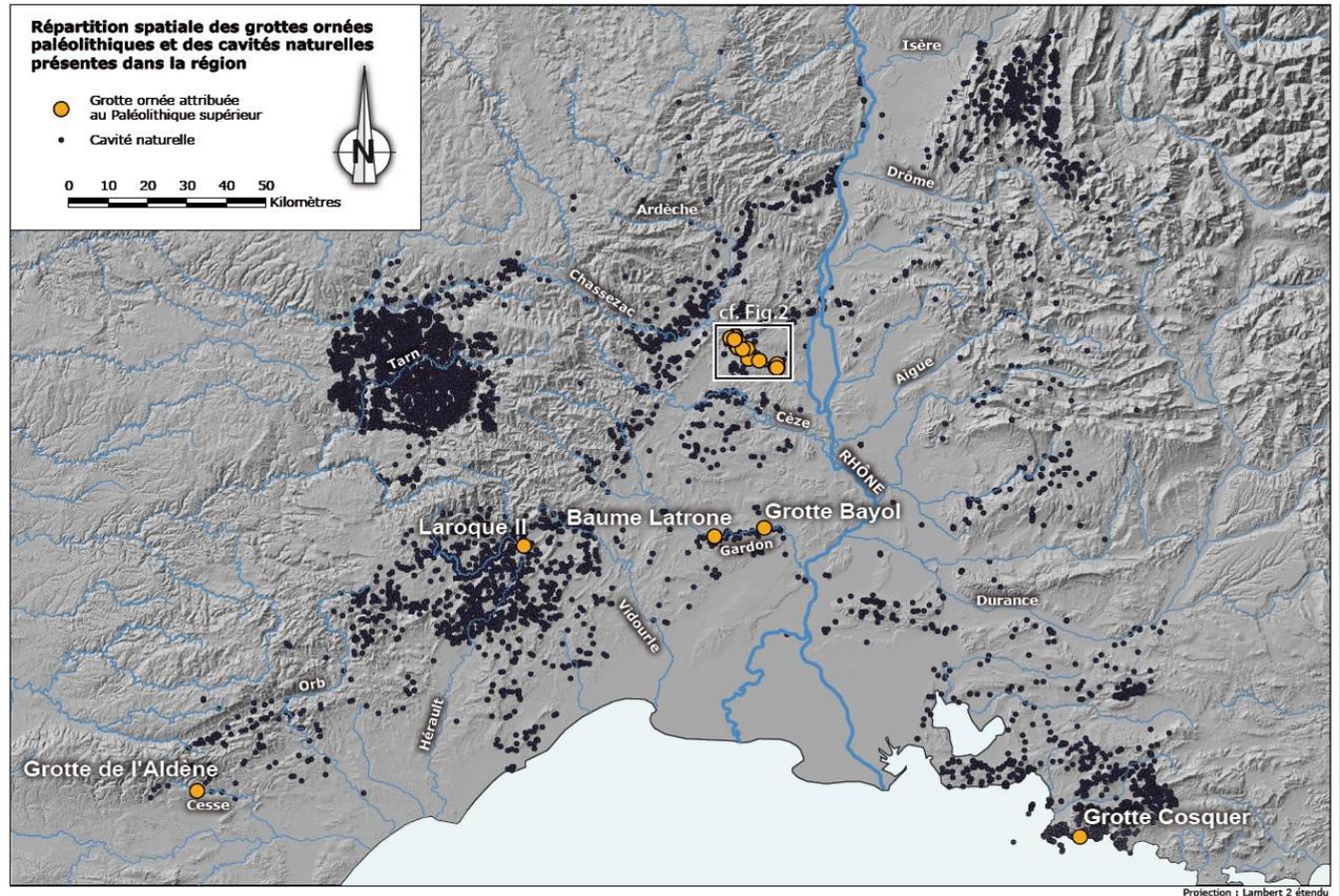
Identifier les pratiques



Le cas de l'Ardèche



Le Sud-Est de la France

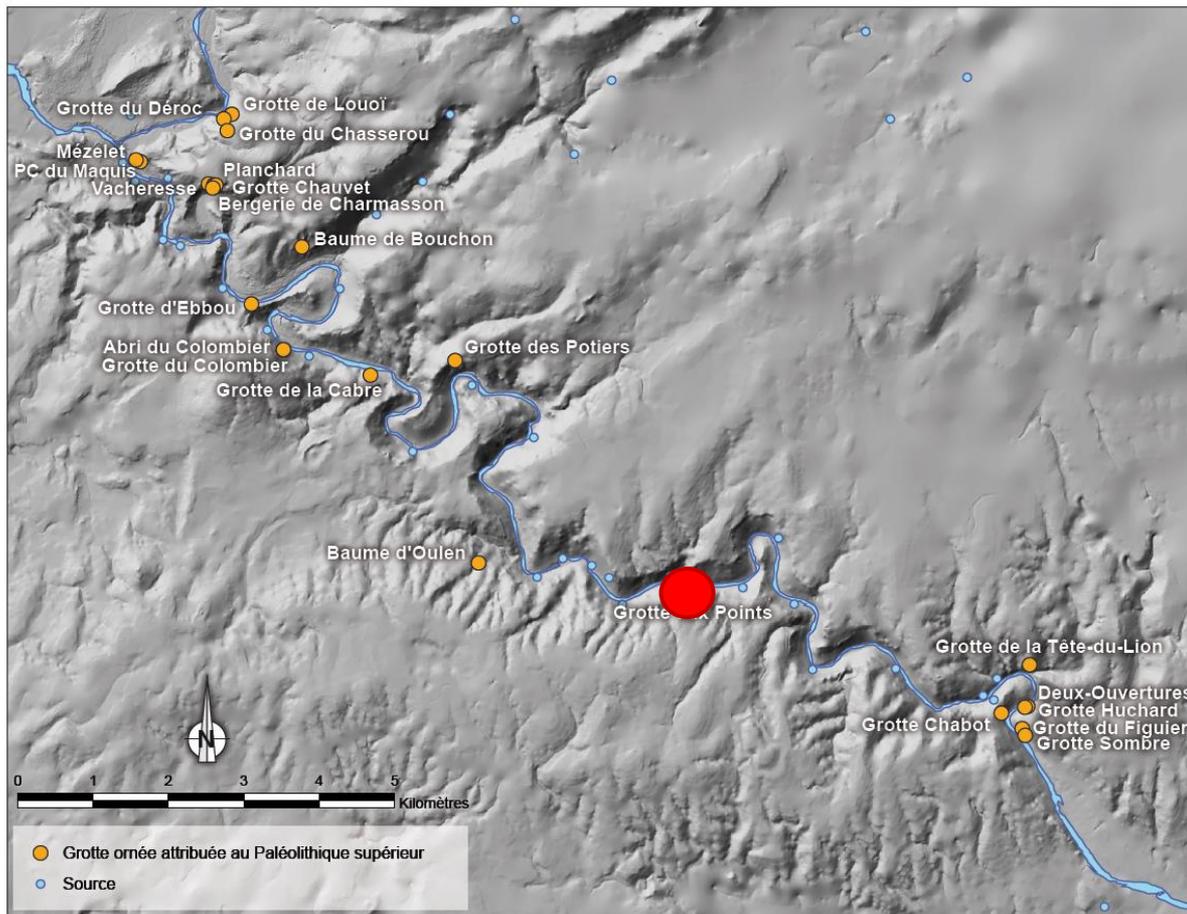


Une concentration de sites ornés paléolithiques :

- Grottes
- Peintures
- Gravures



Les gorges de l'Ardèche, concentration de sites ornés



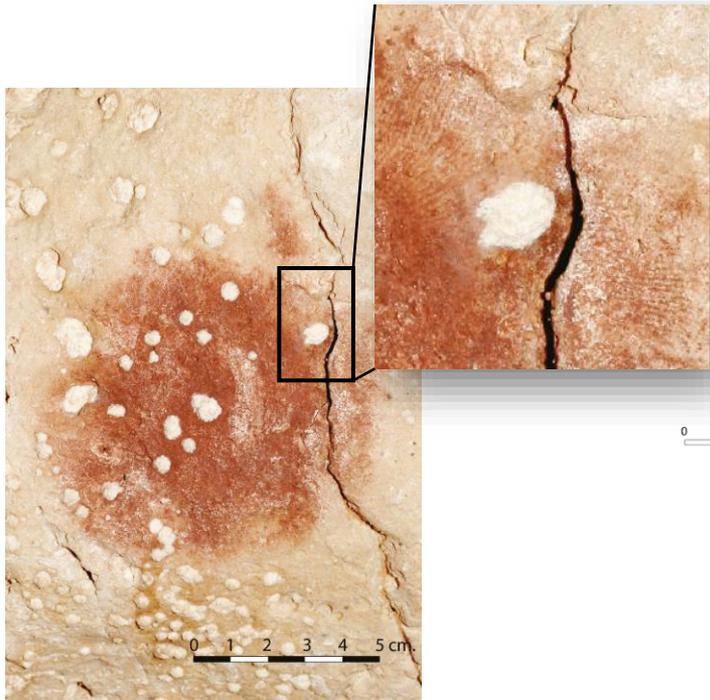
Point-paumes grotte Chauvet (Atlas, Chauvet)



Signes Bilobés grotte Chauvet (Atlas, Chauvet)

Des grottes ornées : peintures et dessins réalisés à partir de matières rouges minérales (hématite)

La grotte aux Points

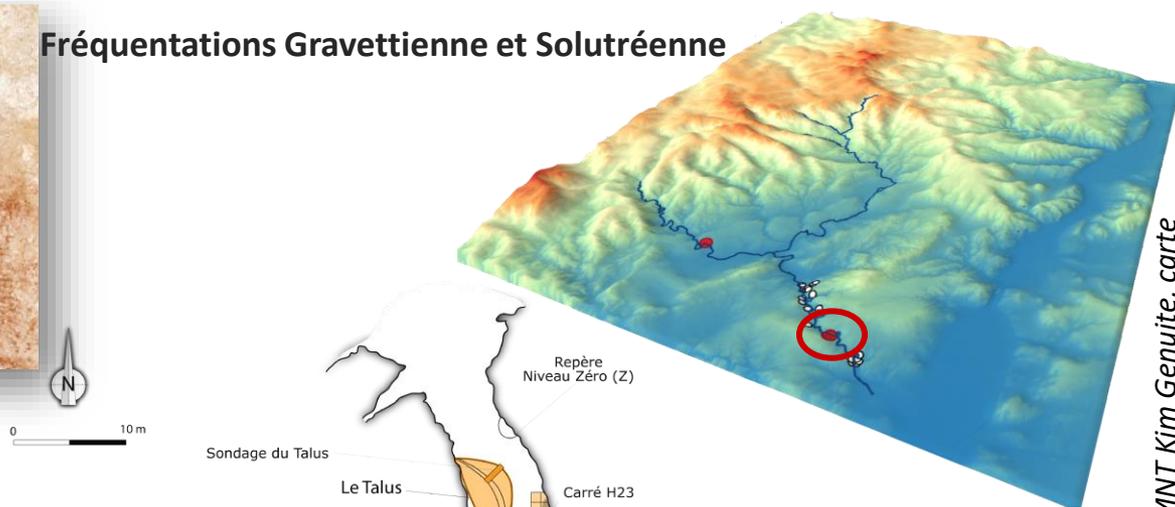


Red point on Urgonian Limestone of grotte aux Points (J. Monney)

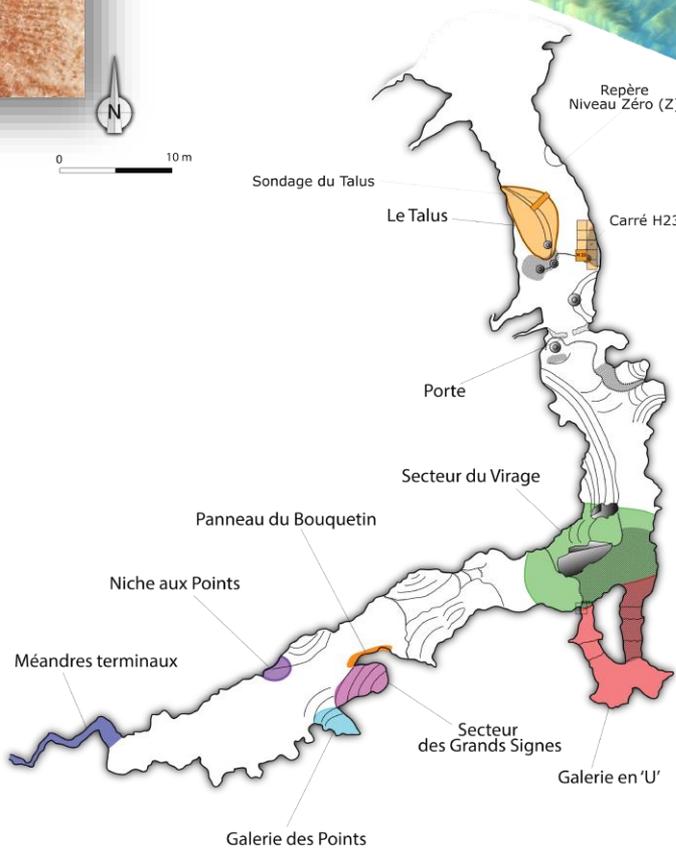
Niche aux Points – median area médian (J. Monney)



Fréquentations Gravettienne et Solutrénienne



MNT Kim Genuite, carte C. Chanteraud



Carte topographique de la Grotte aux Points avec la localisation des sondage et panneaux ornés (DAO : J. Monney)

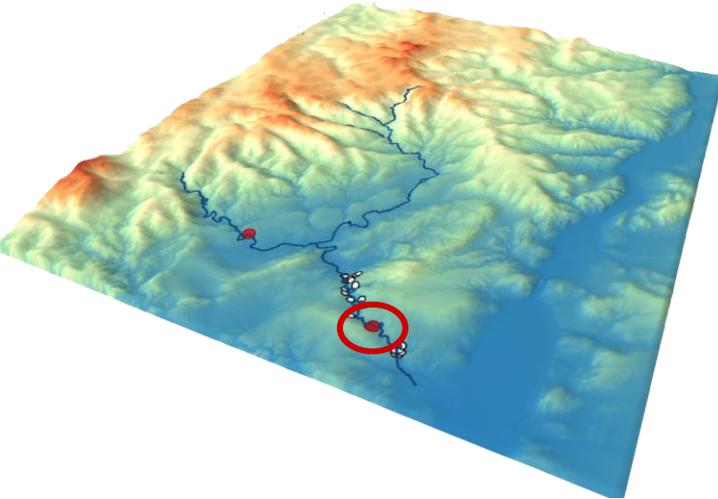
Ecaille de paroi colorées



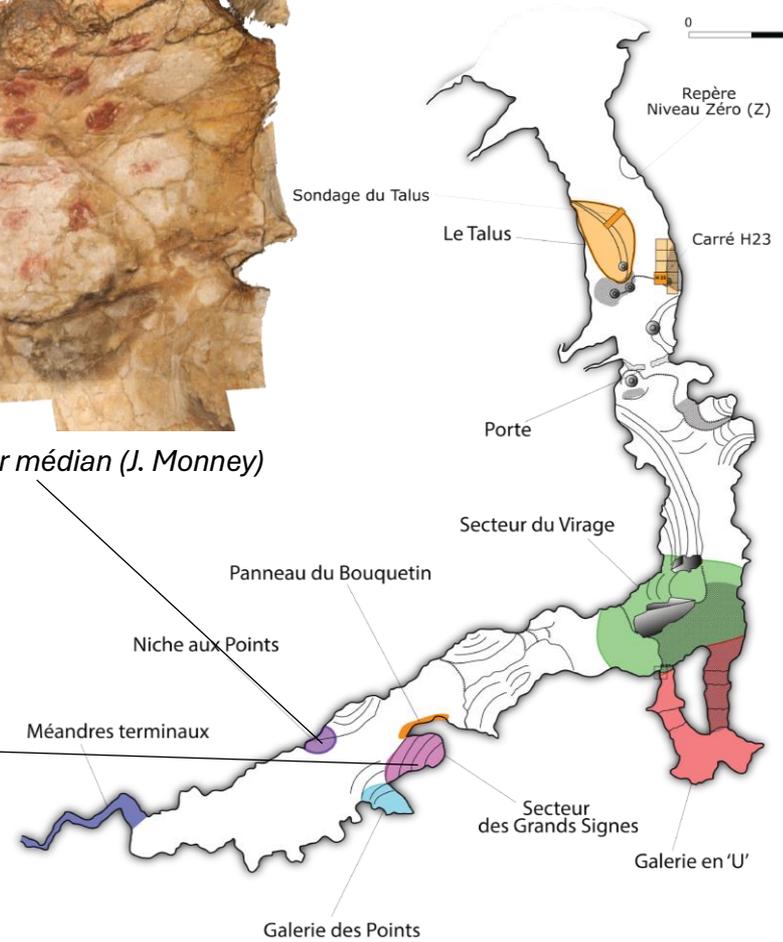
Coloured flakes from the Great Signes panel (C. Chanteraud, M. Quiers)



0 10 m



Niche aux Points – secteur médian (J. Monney)



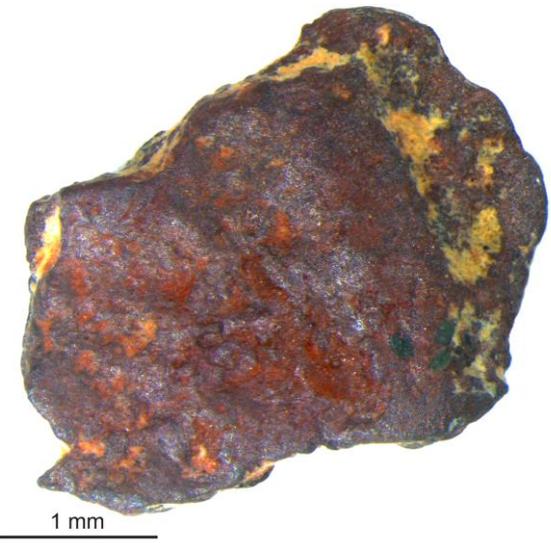
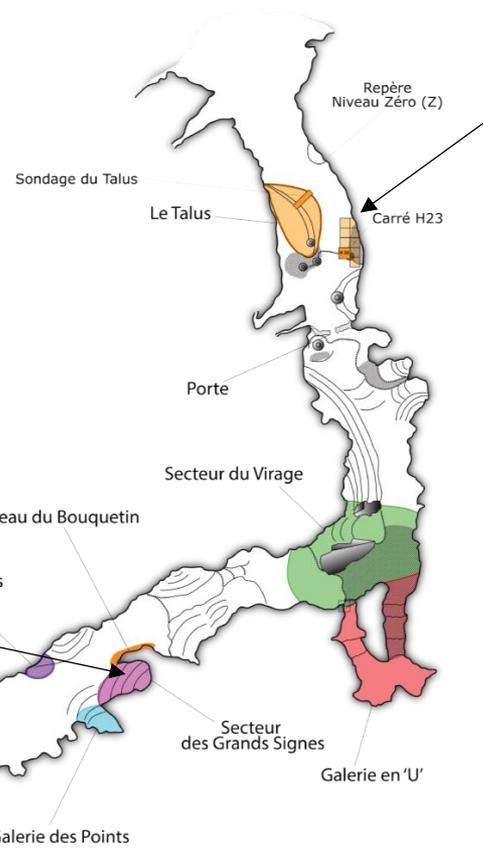
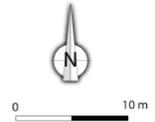
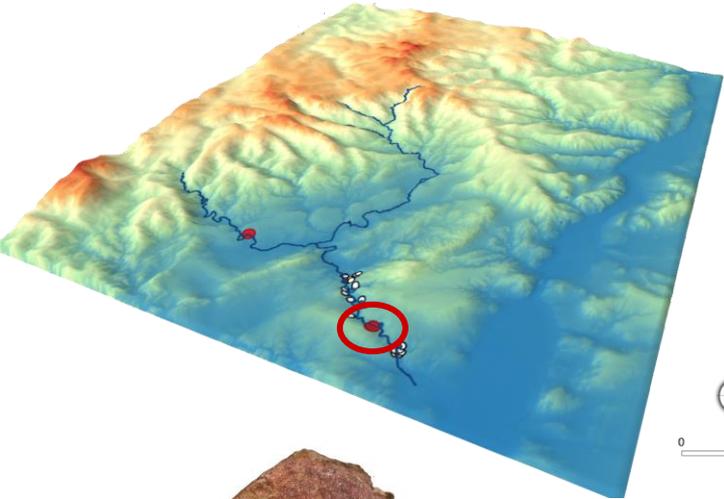
Carte topographique de la Grotte aux Points avec la localisation des sondage et panneaux ornés (DAO : J. Monney)



Signes Bilobés – secteur médian (J. Monney)



La grotte aux Points



1 mm

>50 Blocs de matière colorante



1 cm

5 Ecailles de paroi ornée

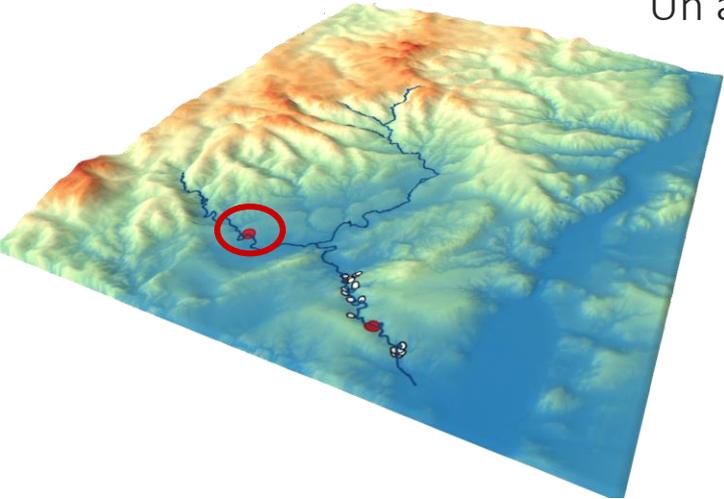
Carte topographique de la Grotte aux Points avec la localisation des sondage et panneaux ornés (DAO : J. Monney)



L'Abri des Pêcheurs



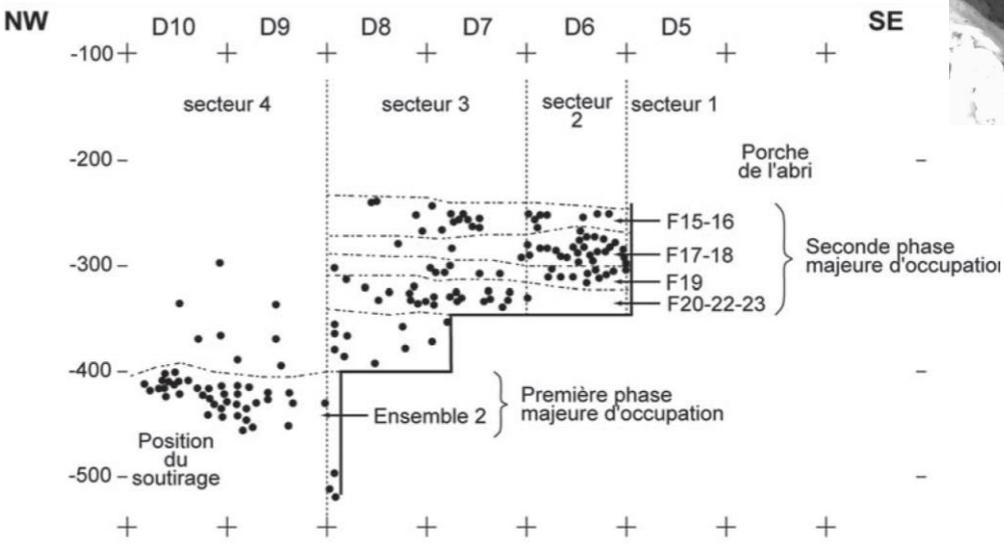
Un autre contexte souterrain :
l'abri des Pêcheurs



Abri des Pêcheurs
une cavité type "fossé"

- secteur 4 : premiers niveaux du Paléolithique moyen
- soutirage ayant démantelé les niveaux de brèche stériles
- niveaux du Paléolithique moyen de la partie supérieure de la séquence

Entrée de l'abri des Pêcheurs (G. Lhomme)



Proposition de stratigraphie de l'abri des Pêcheurs (E. Debard 1997)



>150 Blocs de matière colorante

2 mm

Les matières picturales et la paroi

L'analyse en grotte

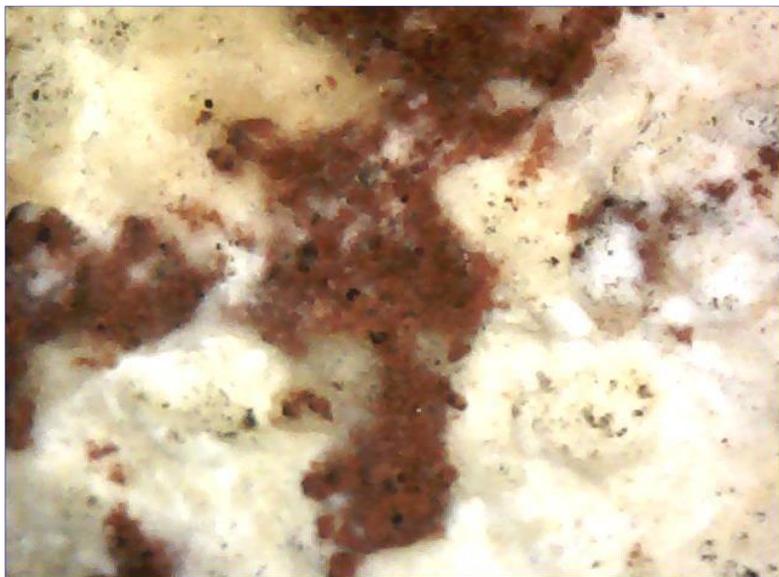
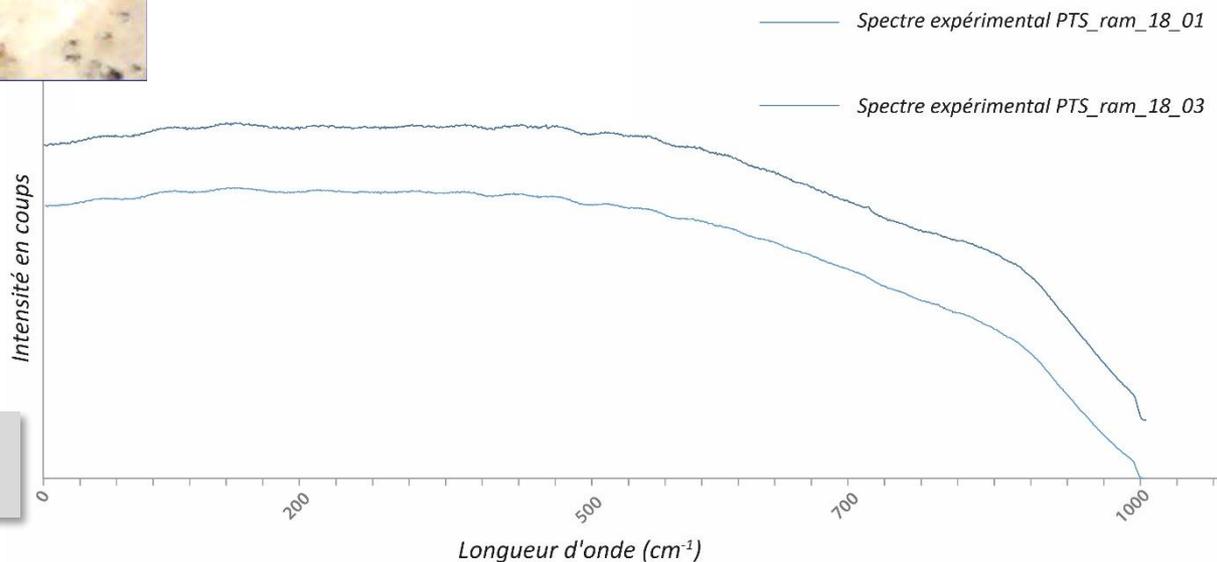


Image de surface de la paroi calcaire

> Superposition de couches minérales :
support – altération – matière picturale

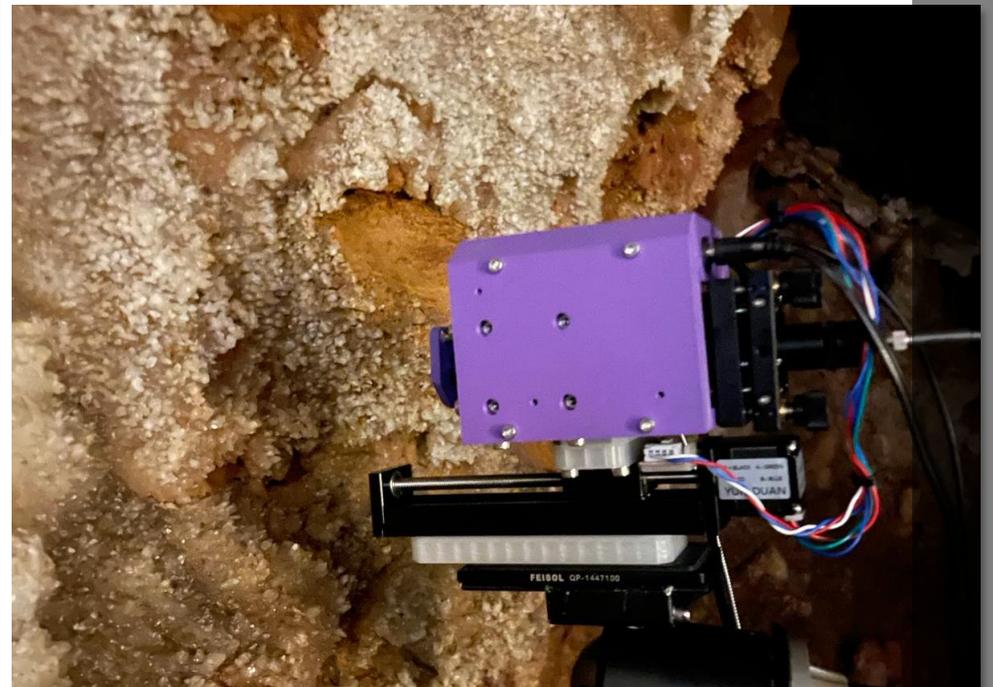
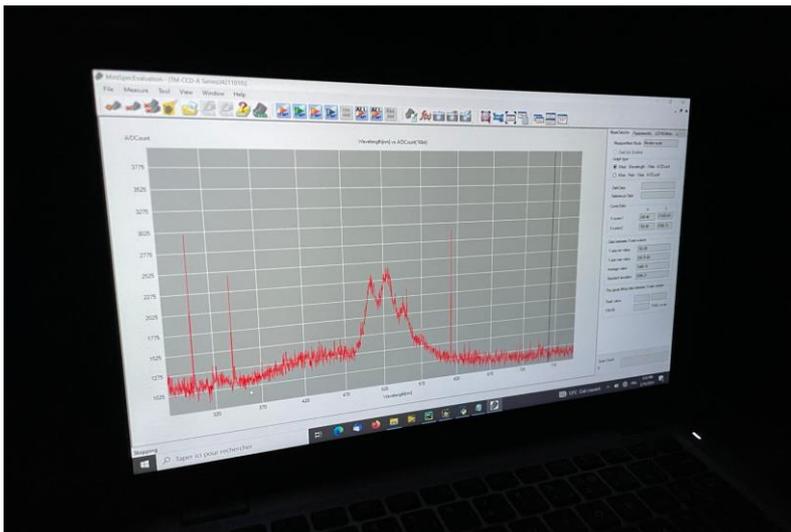
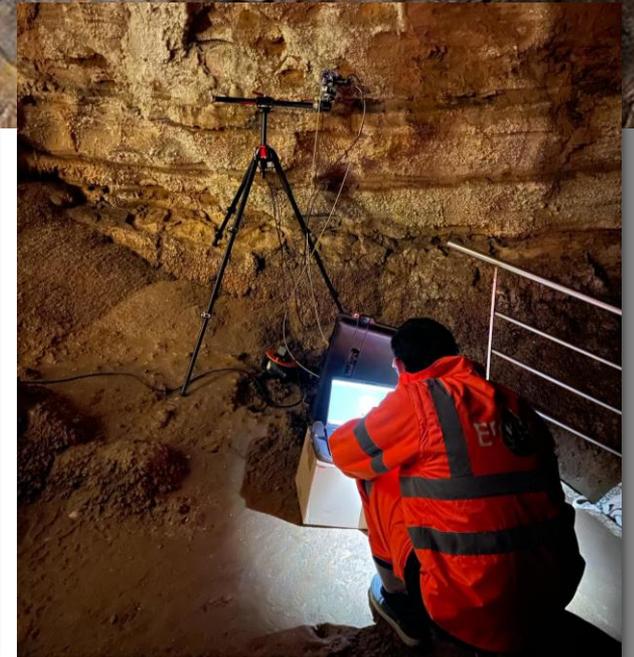
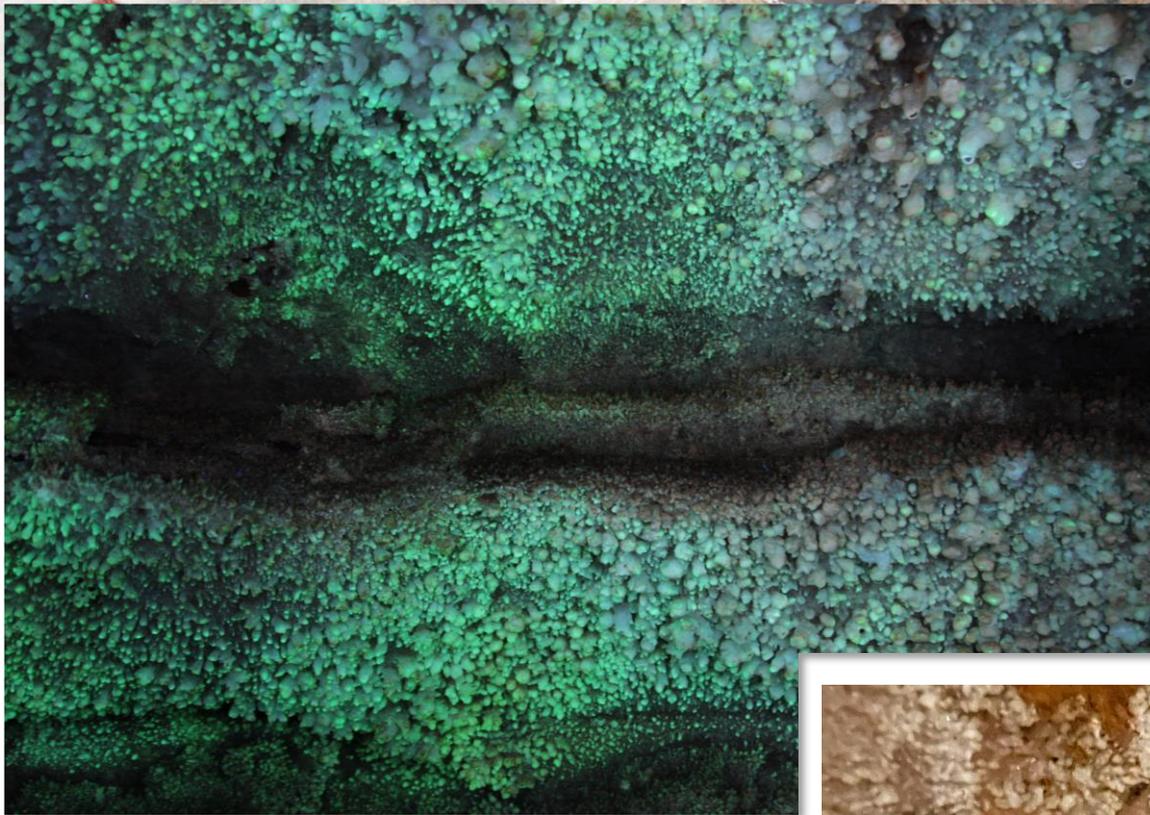


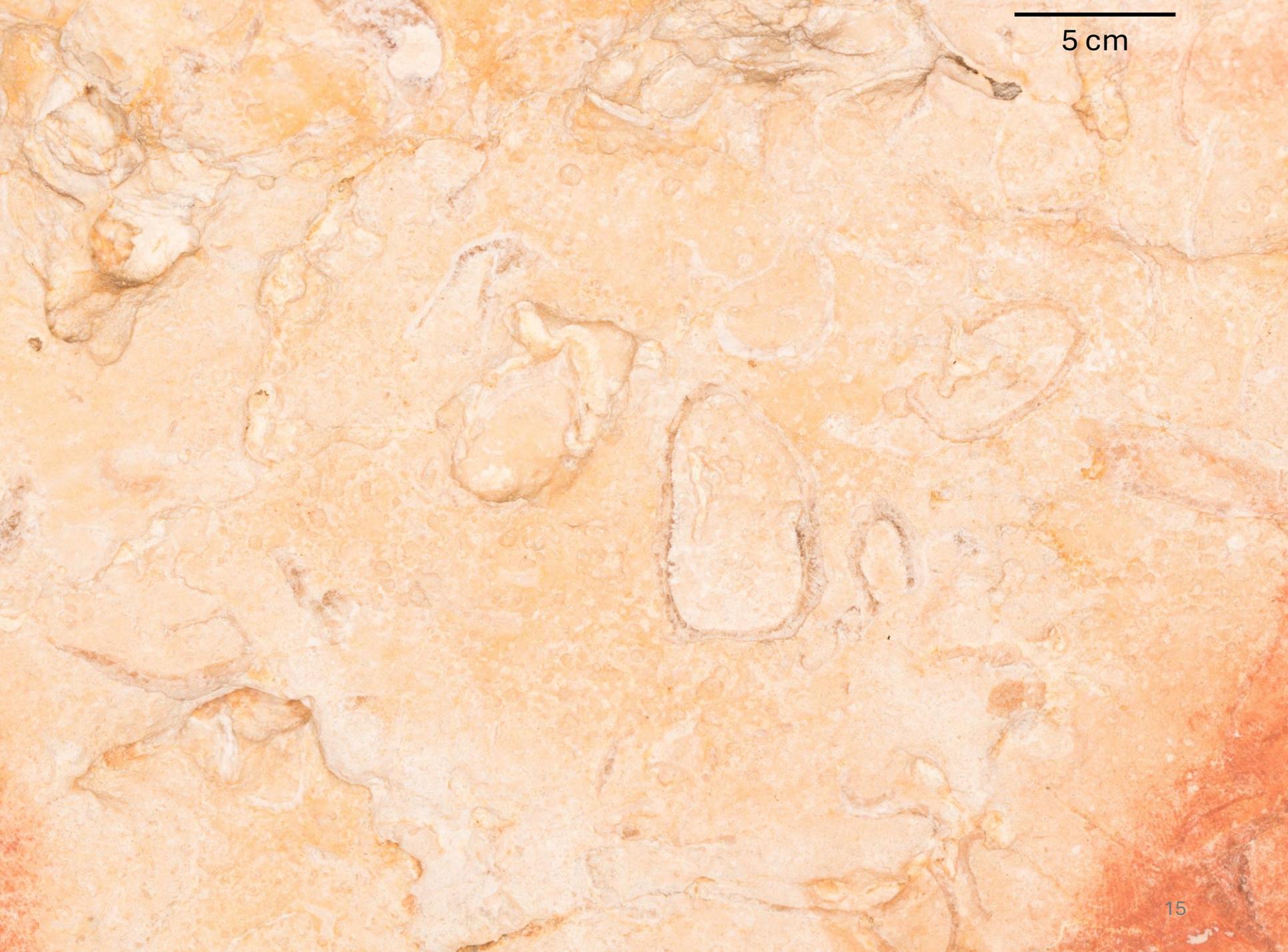
Pas de signal Raman significatif
Forte fluorescence

Spectre Raman (785 nm) sur la paroi du
panneau des Grands Signe.

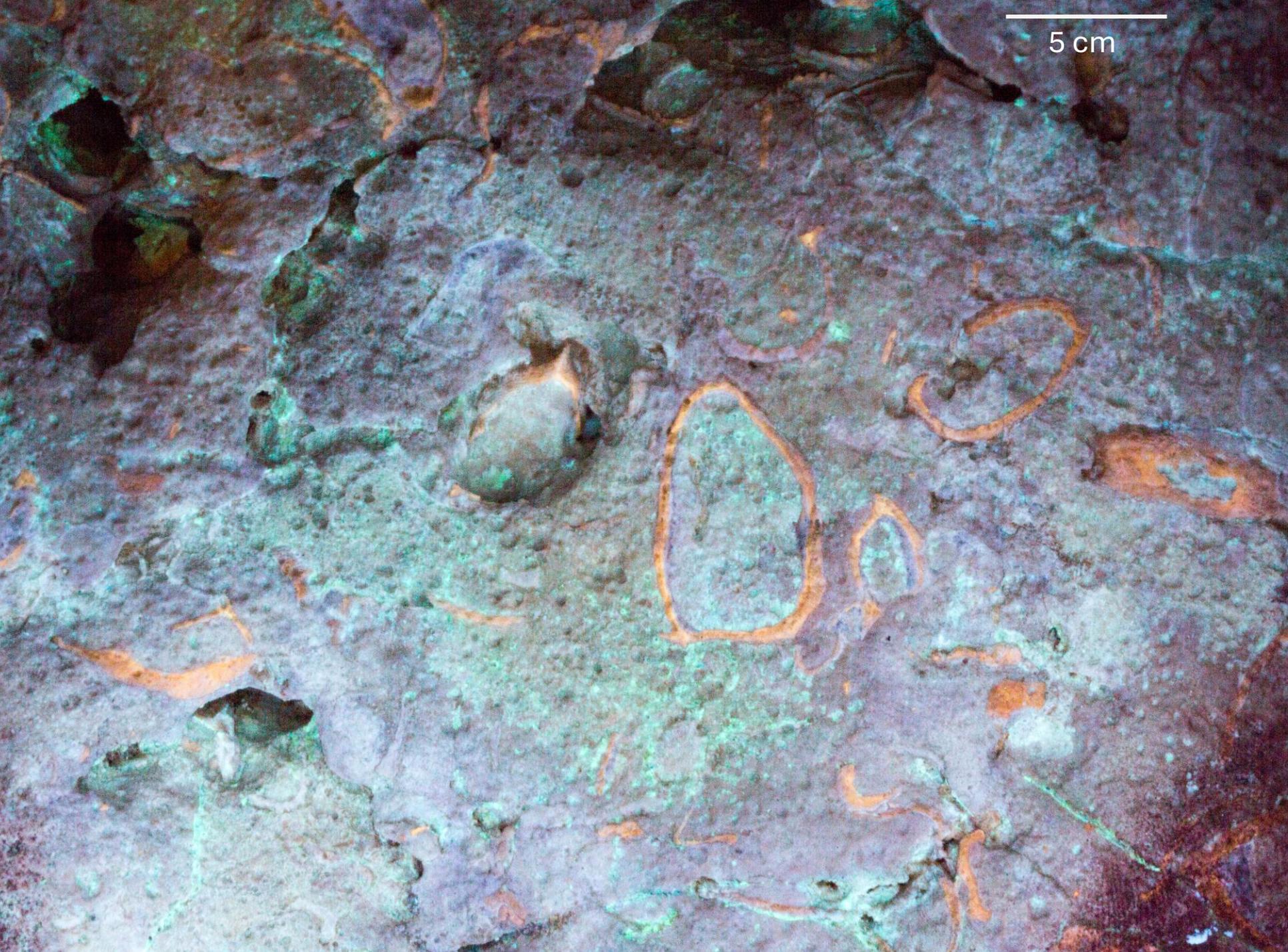
Taphonomie et fluorescence







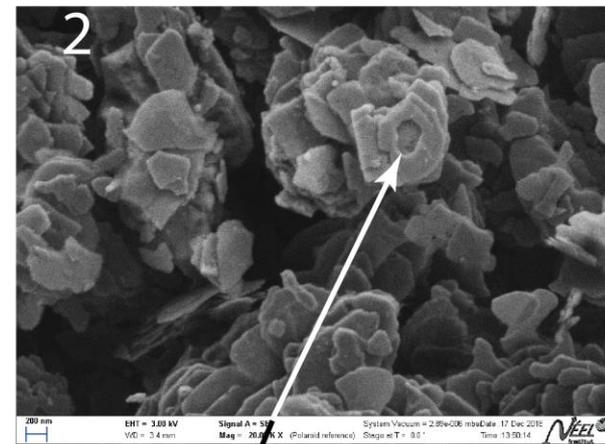
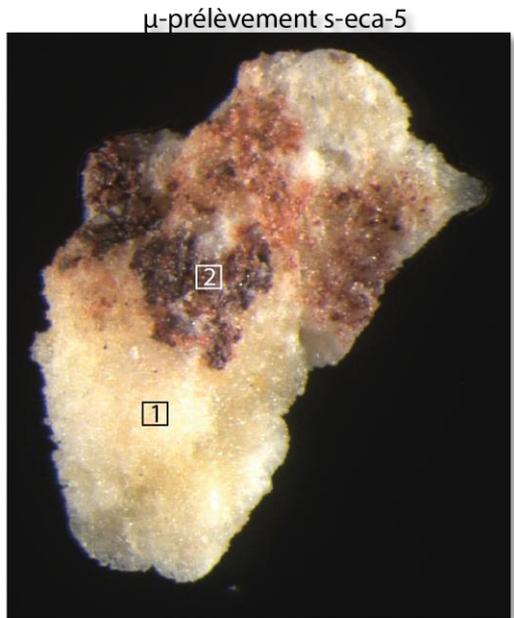
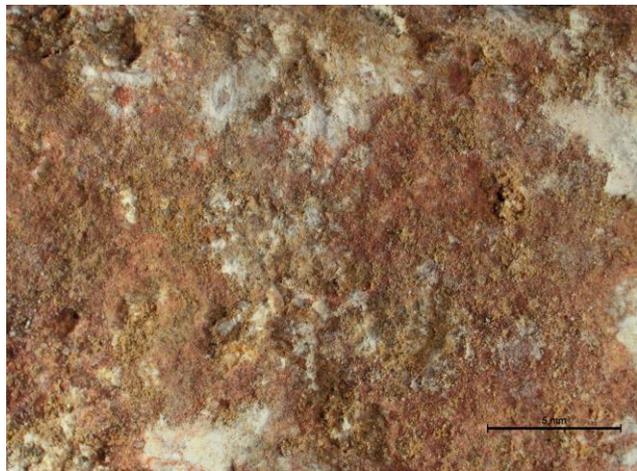
5 cm



5 cm

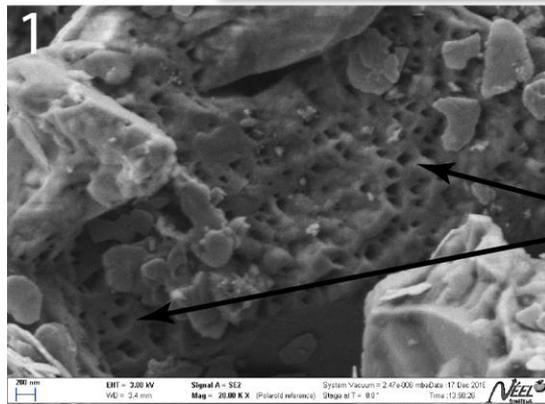
Les matières picturales et la paroi

Les écailles de parois : la grotte dans le laboratoire



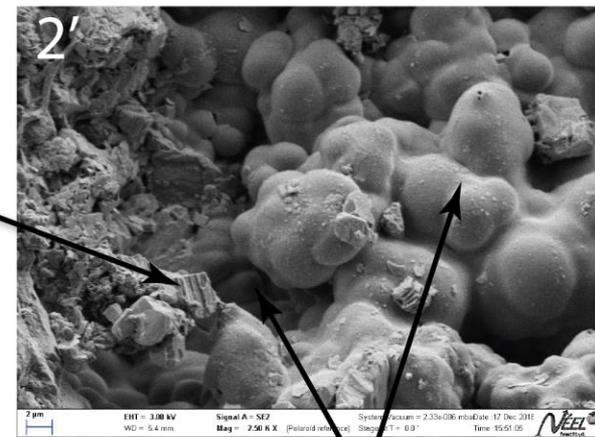
Plaquette pseudo hexagonale (fe)
avec golf de dissolution

> Observation et
identification d'un film de
silicium amorphe



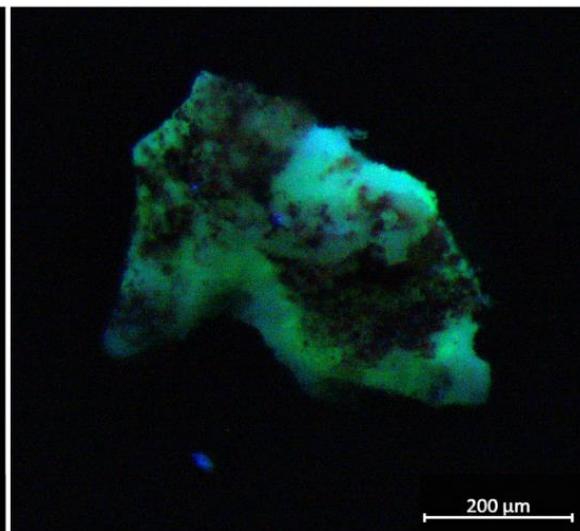
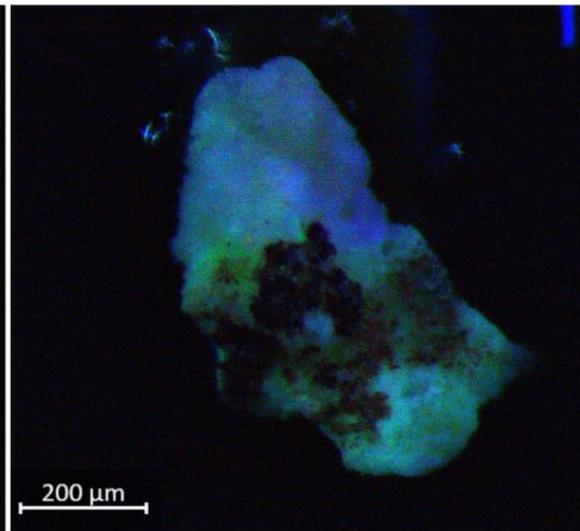
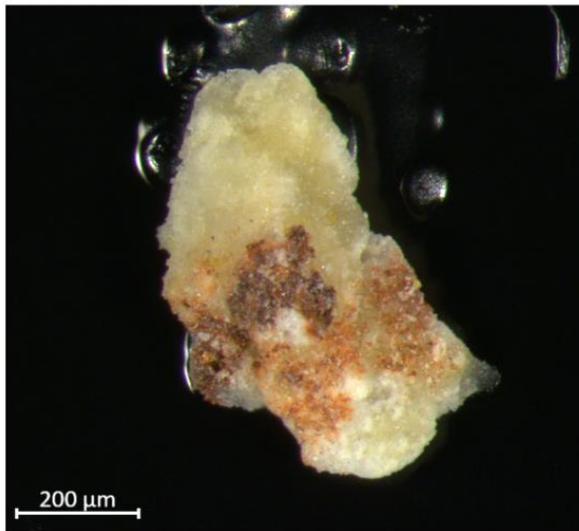
Morphologie
anguleuse (Ca)

Trace de
dissolution (Ca)



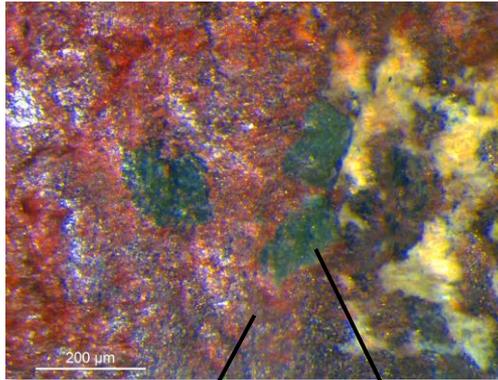
Morphologie mamelonée (Si)

Observation et analyse MEB-EDS



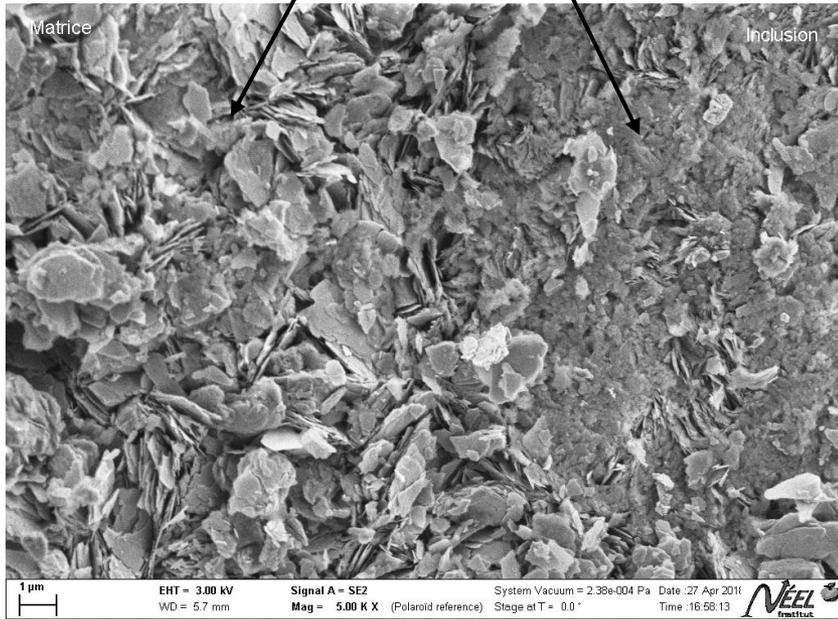
L'approche en laboratoire

*Inclusions vertes dans OCR-15-04
observées sous loupe binoculaire*

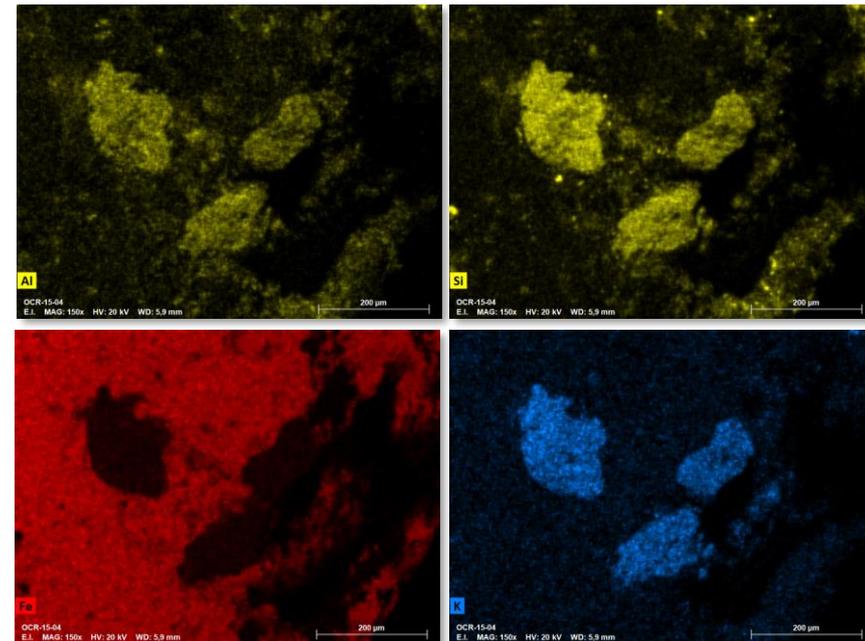


*Micromorphologie
des oxydes de fer*

*Micromorphologie
des inclusions vertes*



*Cartographie des éléments chimiques dans les
inclusions vertes : association Al, Si, K et Fe*

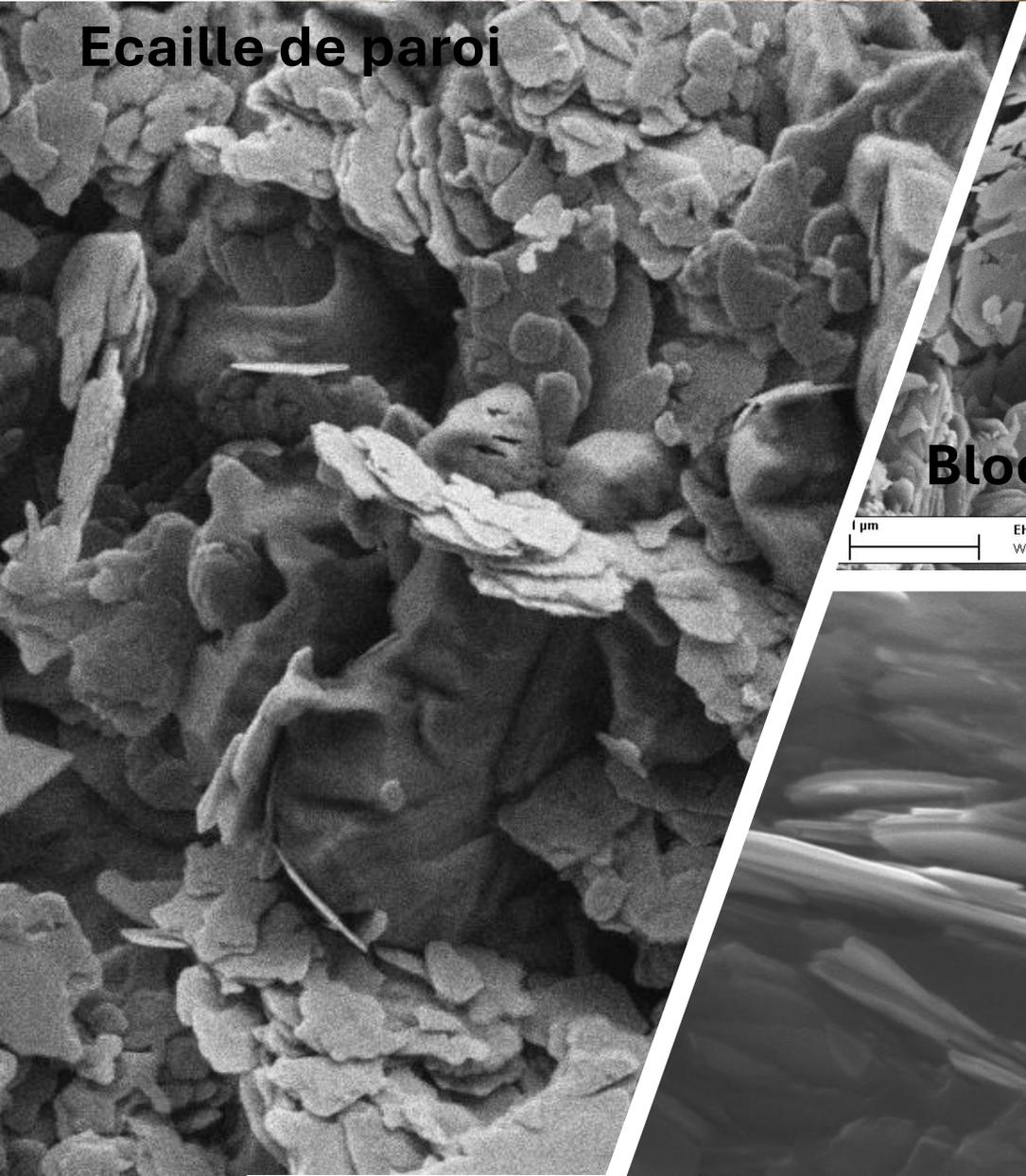


Un phyllosilicate Potassium – fer

Contraintes analytiques :
pas de distinction possible
céladonite vs glauconite



Ecaille de paroi



Bloc matière colorante

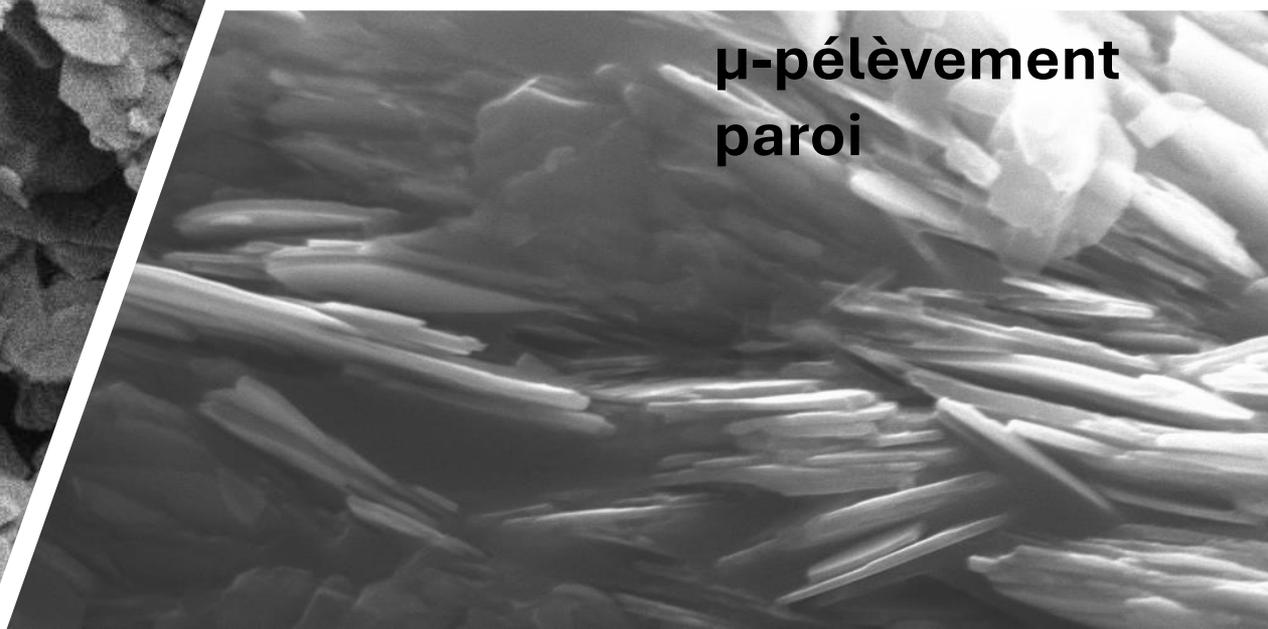
Matrice

1 μ m

EHT = 3.00 kV
WD = 5.7 mm

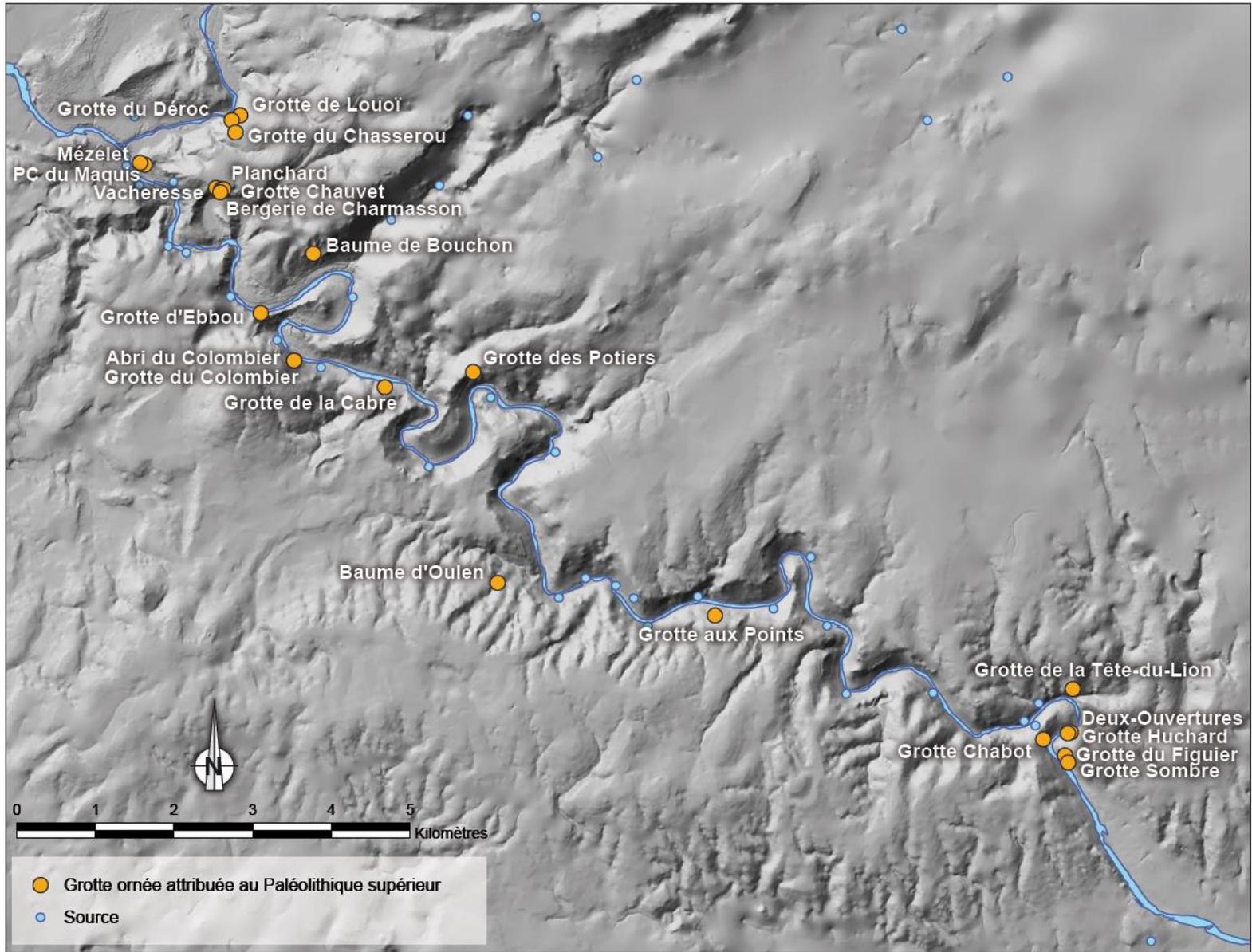
Signal A = SE2
Mag = 15.00 K X (Polaroid reference)

System Vacuum = 2.40e-004 Pa Date : 27 Apr 2011
Stage et T = 0.0° Time : 16:55:15



**μ -pélèvement
paroi**

Une sélection de matière commune



Une diversité de matière

*Diversité géologique :
types de formation riche en oxy(hydroxy)de de fer
vue en coupe*

Lambeau de cuirasse
latéritique

Fragments
roulés de cuirasse

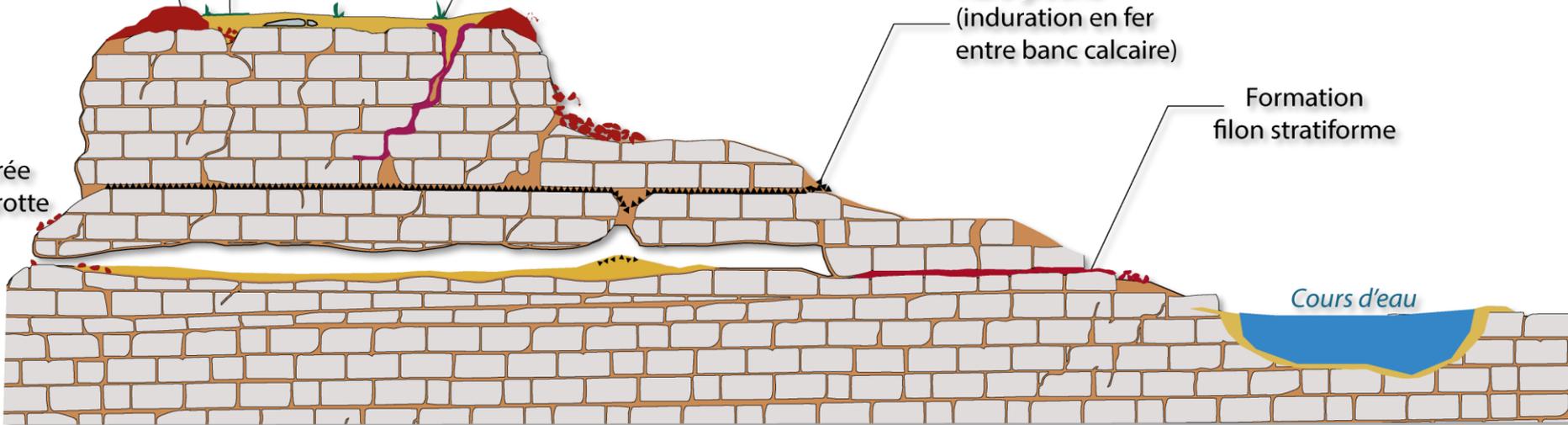
Formation
filonienne

Hard ground
(induration en fer
entre banc calcaire)

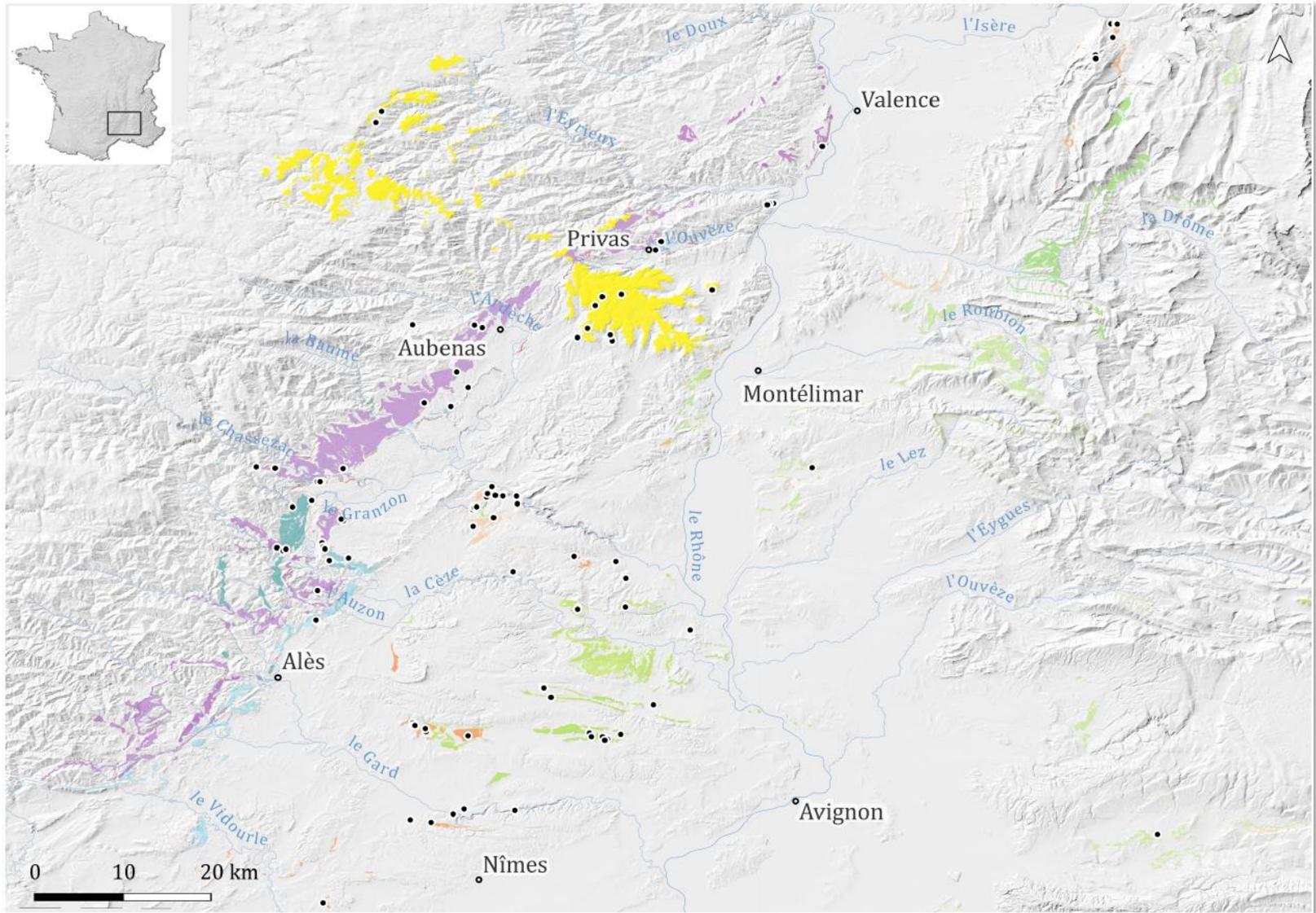
Formation
filon stratiforme

Entrée
de grotte

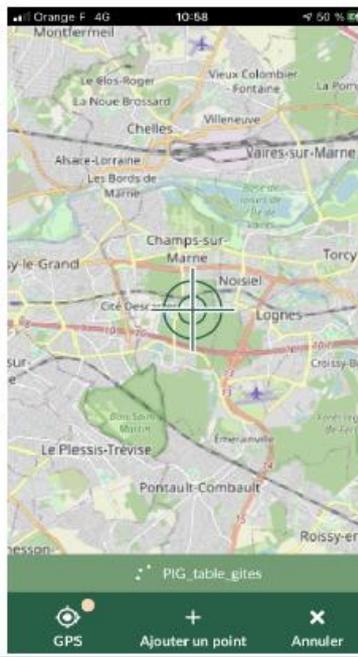
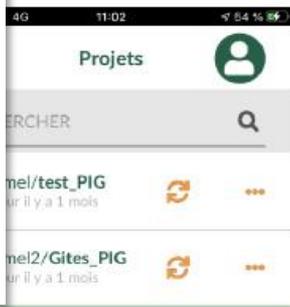
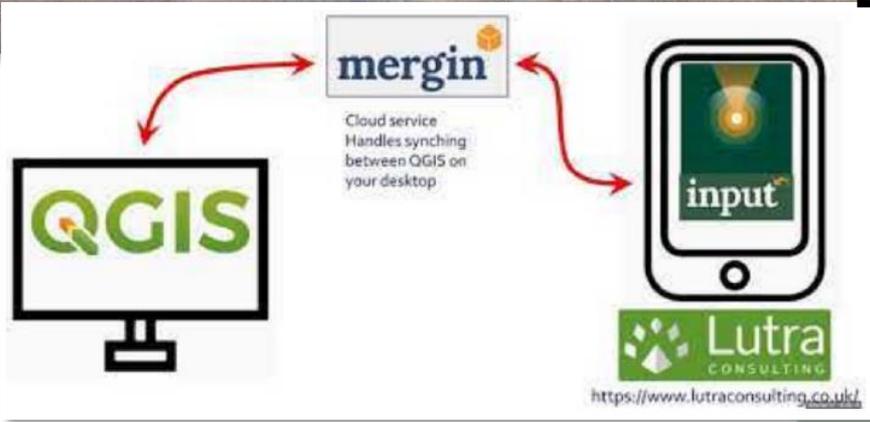
Cours d'eau



Dans un espace proche



L'inventaire des ressource disponible



QGIS - QGIS

Project Edit View Layer Settings Plugins Vector Database Table Processing Help

Layers

- PIG_table_gites
- collect_europe
- Carte géologique image de la France a...
- PIG_table_gites
- OpenStreetMap
- Google Terrain
- SCAN2STOUR WLD WM 10-2020
- Google Hybrid

PIG_table_gites - Feature Attributes

Numéro du gîte (PIG) PIG_0308

| Point | Fiche | Localisation | Géologie | Gîte | Echantillons | Éléments associés |
|-------|-------|--------------|------------|------|--------------|-------------------|
| | | | bélère_592 | | | |

Carte géologique: bélère_592

Ere géologique: [dropdown]

Système géologique: [dropdown]

Série géologique: [dropdown]

Étage géologique: [dropdown]

Nom de la formation géologique: [text]

Détermination de l'âge: [checkbox] lecture de la carte géologique [checkbox] observations de terrain

Librosage de l'encastant: [dropdown]

Librosage ornière de l'encastant: [dropdown]

Commentaires sur le point: [text area]

| Id | Numéro du gîte (PIG) | Numéro de terrain | Anné |
|-----|----------------------|-------------------|------------|
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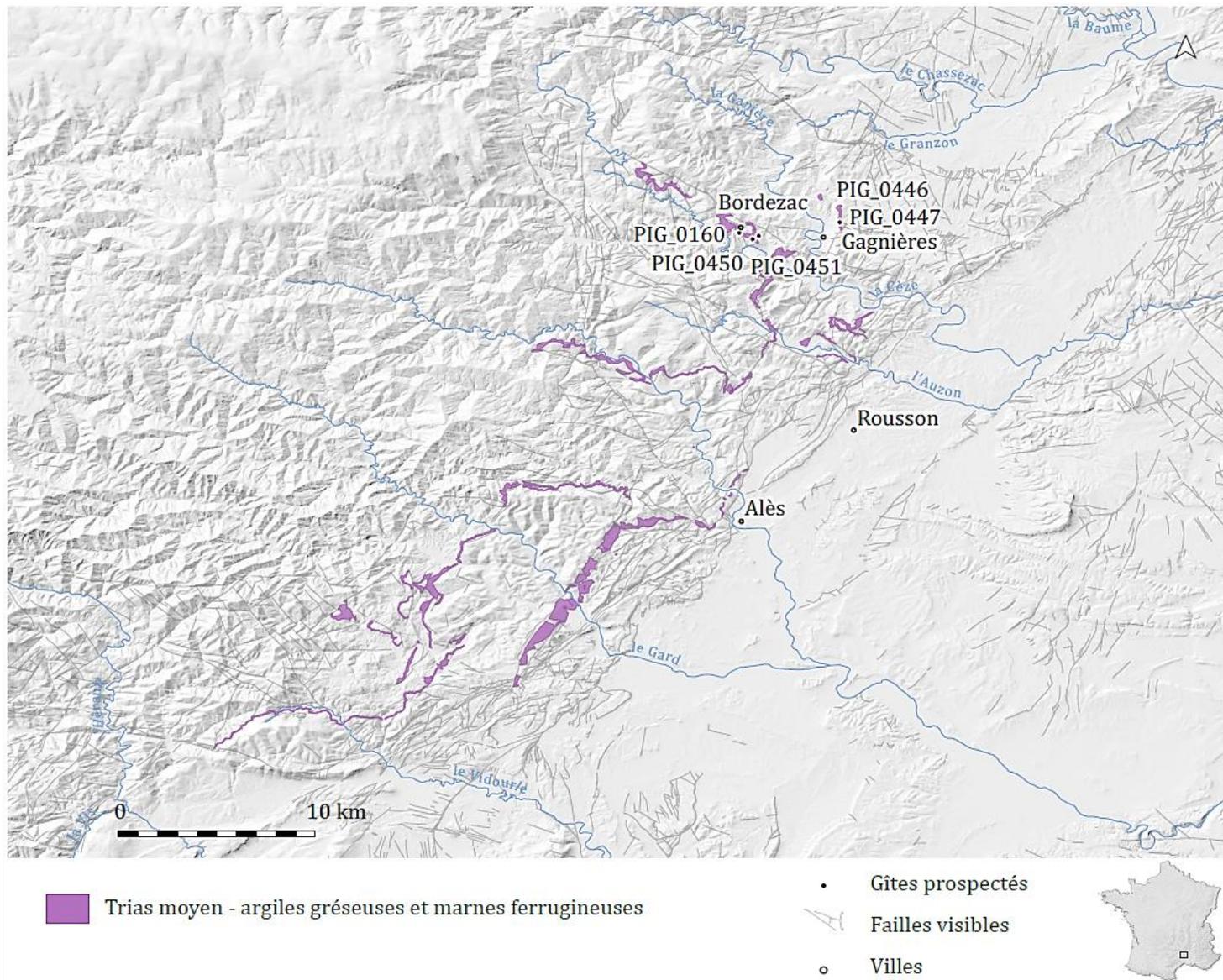
Mode: Current layer Auto open form

View: Tree

Help

Coordinate: 151156,583305 Scale: 1:7946 Magritte: 100% Rotation: 0.0° Render: EPSG:3857

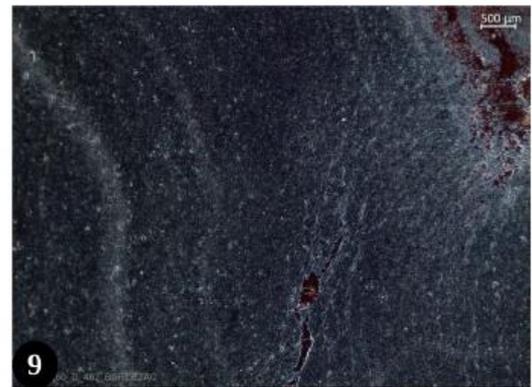
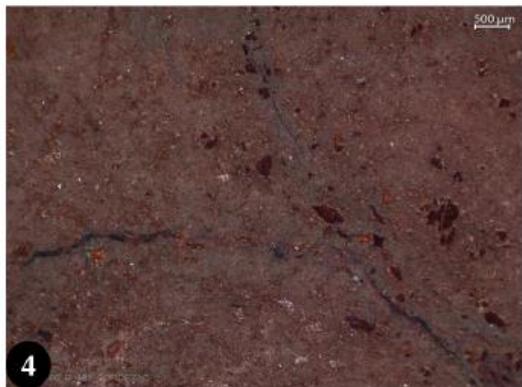
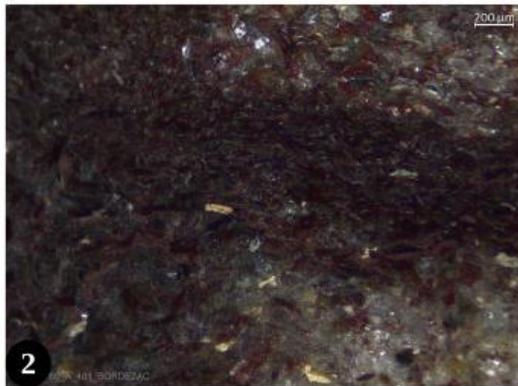
Des matières disponibles à plusieurs endroits

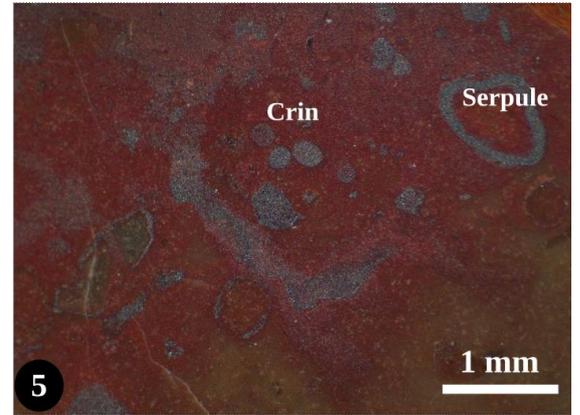
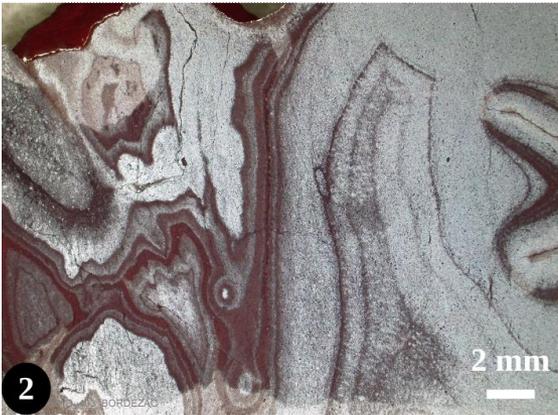


Bordezac



Bordezac





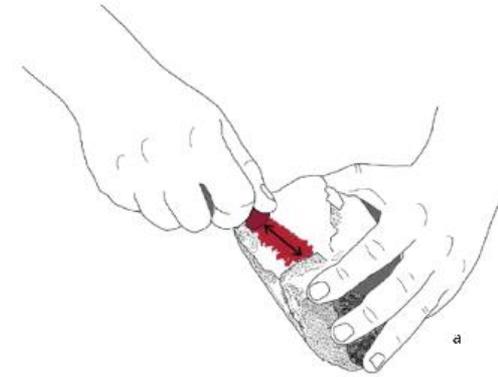
Les traces de la pratique

A sec

A l'eau

Au gras

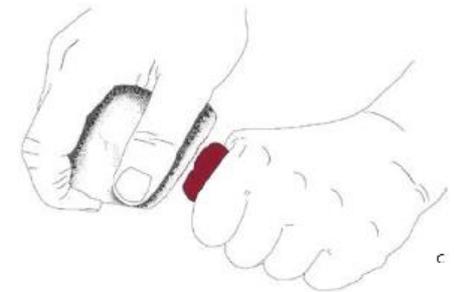
Bordezac



Huy



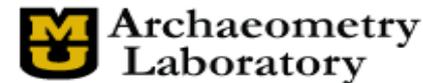
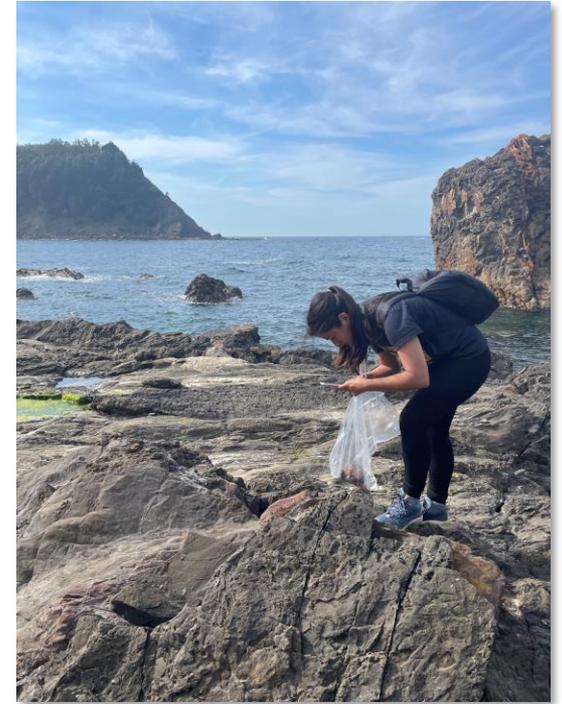
Cazol-
Lès-Bézier



Conclusion



Partenaires



Preprint on HAL (Open archive for science)



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hal-03383193, version 2 Preprints, Working Papers, ...

Light in the Cave: Opal coating detection by UV-light illumination and fluorescence in a rock art context. Methodological development and application in Points Cave (Gard, France)

Marine Quiers¹, Claire Chanteraud^{2, 1}, Andréa Maris-Froelich¹, Emilie Chalmin¹, Stéphane Jaillet¹, Camille Noûs³, Sébastien Pairis⁴, Yves Perrette¹, Hélène Salomon¹, Julien Monney¹ [Details](#)

- 1 EDYTEM - Environnements, Dynamiques et Territoires de la Montagne
- 2 MURR - University of Missouri Research Reactor [Columbia]
- 3 Laboratoire Cogitamus
- 4 POM - Optique et microscopies
NEEL - Institut Néel

Document type : Preprints, Working Papers, ...

Domain : Environmental Sciences / Environmental and Society
Humanities and Social Sciences / Archaeology and Prehistory
Chemical Sciences / Inorganic chemistry

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<https://hal.archives-ouvertes.fr/hal-03383193>
Contributor : Claire Chanteraud [Connect in order to contact the contributor](#)
Submitted on : Tuesday, October 26, 2021 - 9:48:43 PM
Last modification on : Friday, November 5, 2021 - 2:41:39 PM

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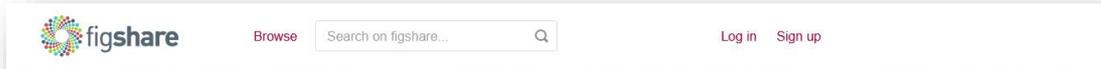
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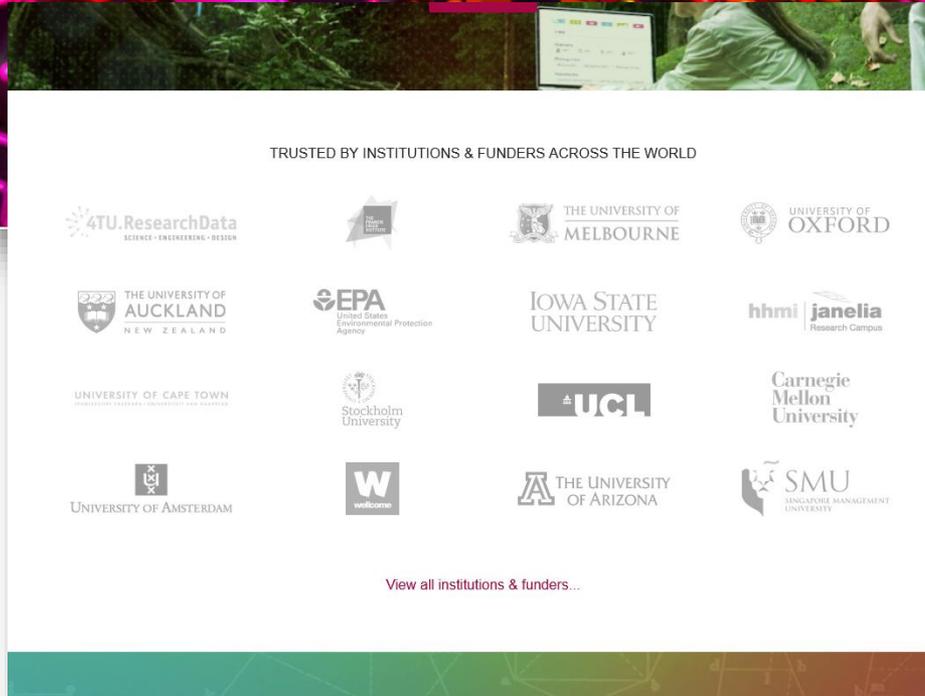
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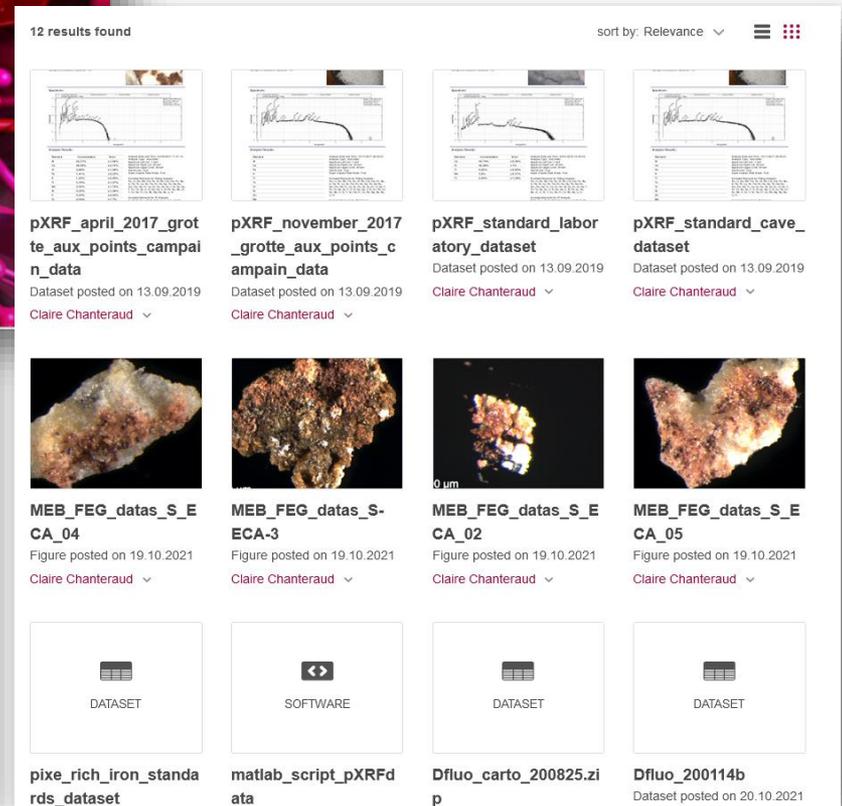
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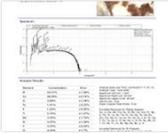
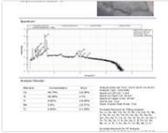
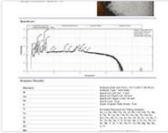
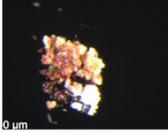
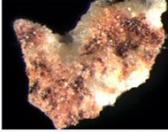
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