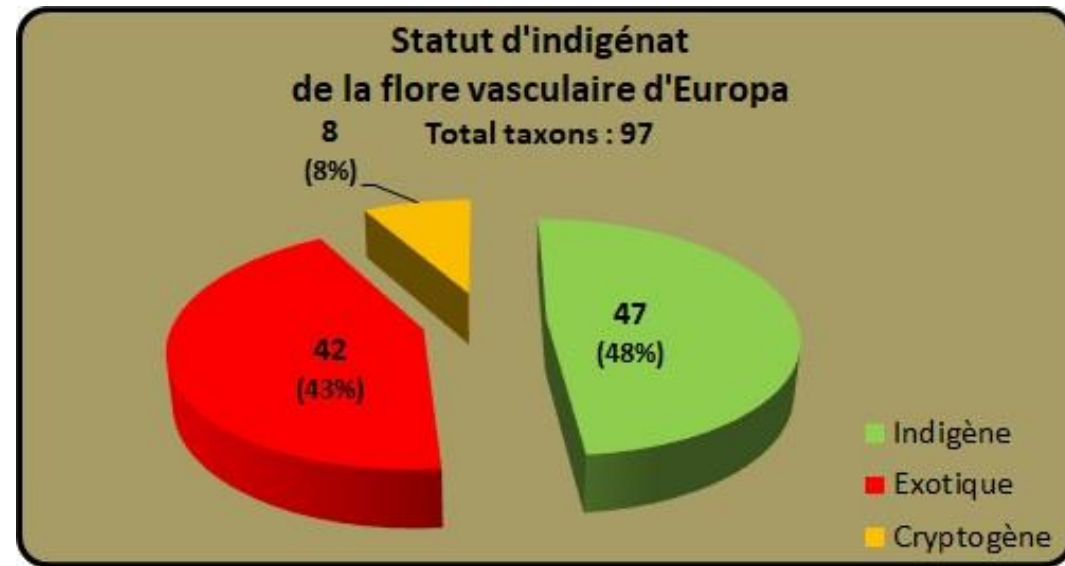


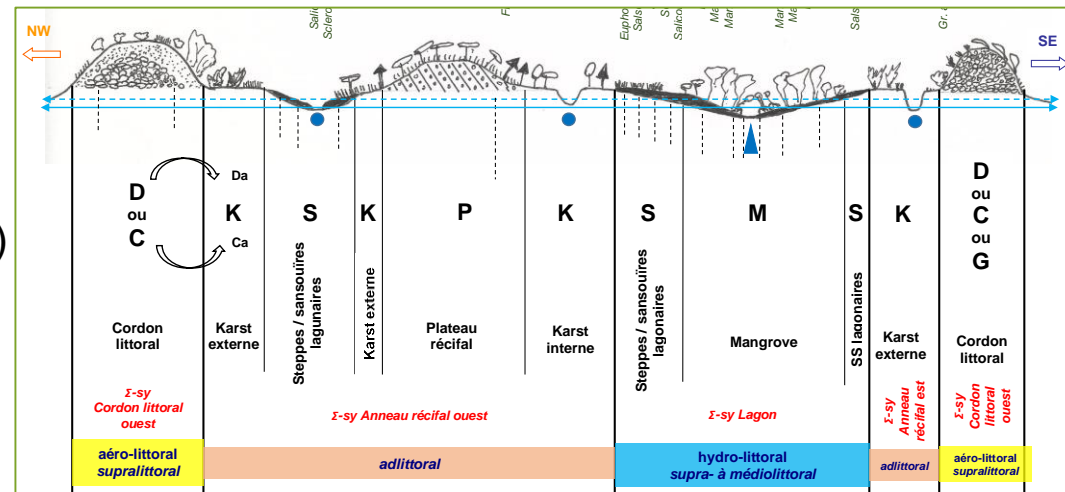
## Préambule

### ➤ Bilan floristique



### ➤ Travaux phytosociologiques :

- 529 relevés (2006, 2011, 2016)
- 11 systèmes / 68 habitats (niveau 5)
- Toposéquence



- Typologie de la végétation et des habitats d'Europa
- BOULLET V. 2014. La végétation de l'île Europa (canal du Mozambique). 1 - Sansouïres et steppes salées. Documents phytosociologiques, série 3, 1 : 500-535.

## Cartographie des systèmes de végétation

### ➤ Processus de segmentation :

- Image THR PLEIADE (20130729)
- Segmentation C1 = env. 9 000 polygones

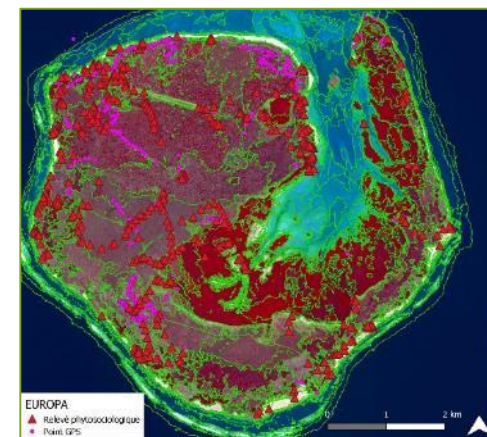
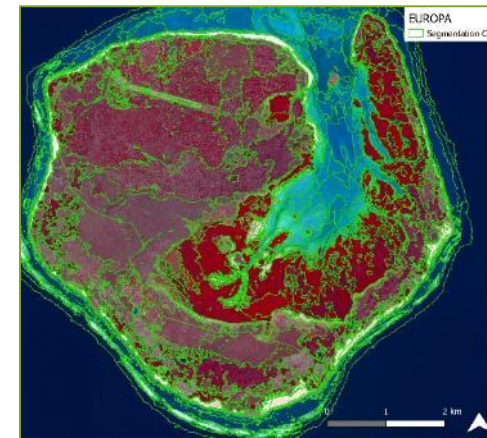
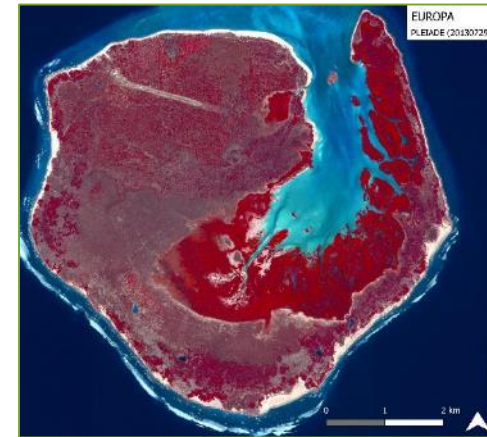
### ➤ Phase de terrain

- Mai – juillet 2016
- Vincent Boulet, Jean Hivert et Alexandre Laubin
- Datas : substrat, position, flore indicatrice
- Vérification des polygones C1 & prise de points GPS (env. 450)

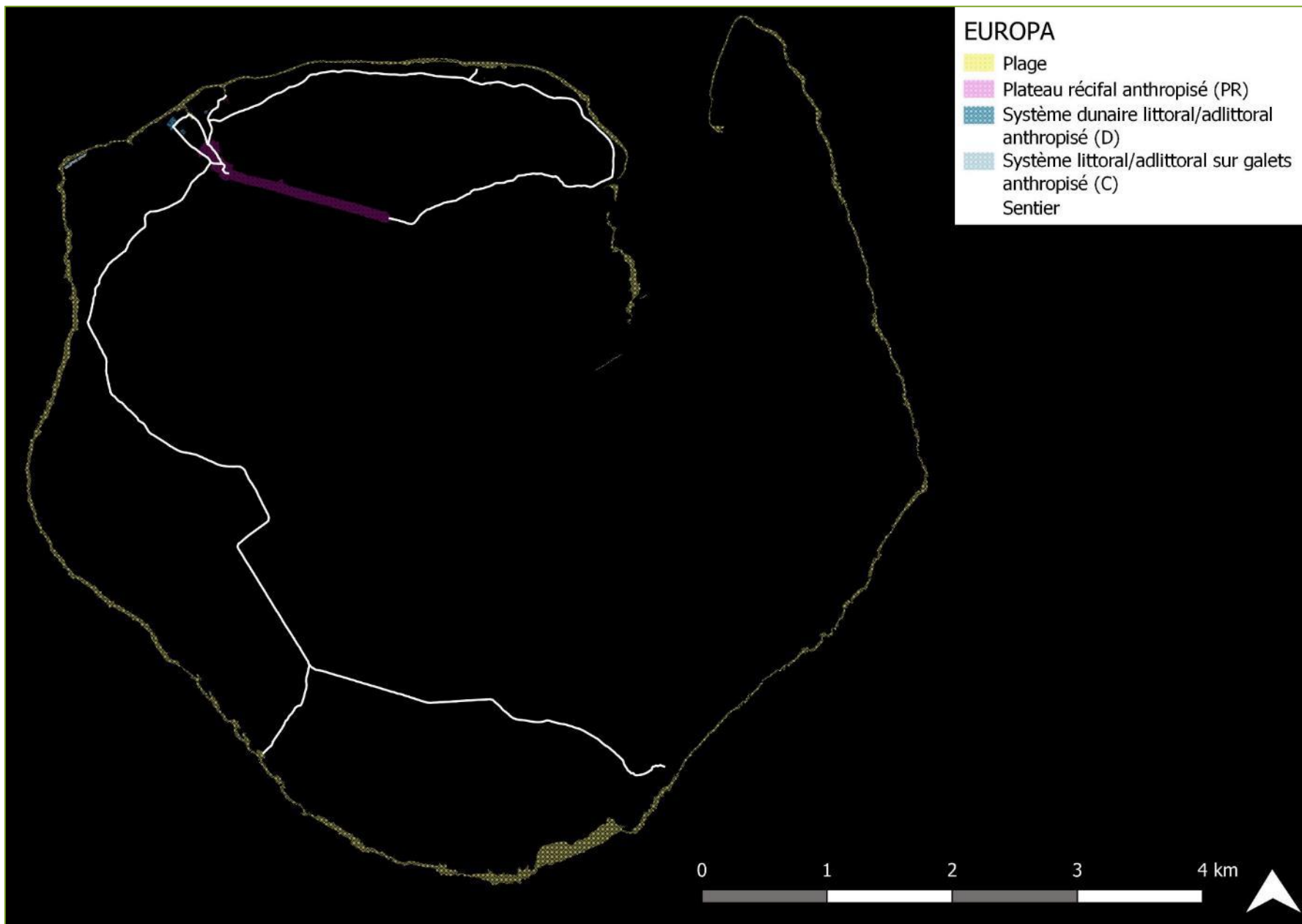
### ➤ Exploitation des données :

- Points de référence : relevés phytosociologiques, PP, collections végétales, taxons patrimoniaux, EEE...

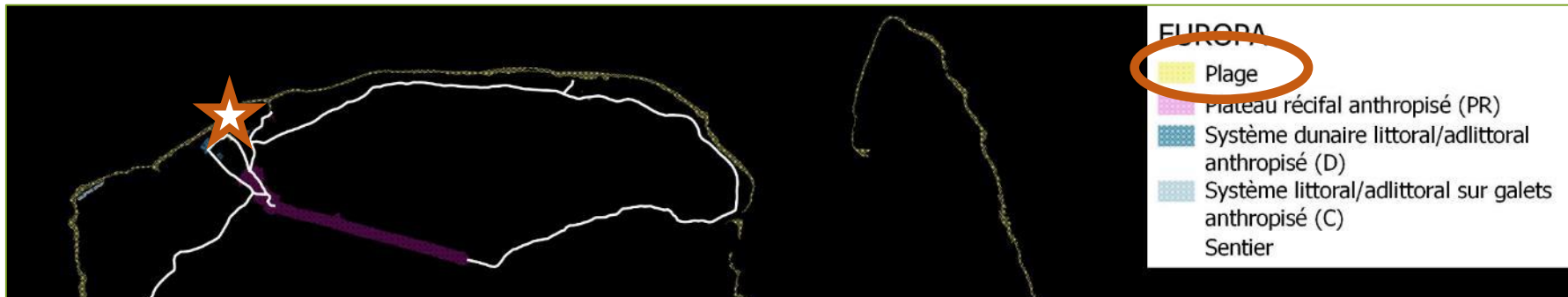
=> Carte des systèmes de végétation d'Europa + typologie



## Plage / Secteurs anthropisés



# Plage



0 1 2 3 4 km





# Plage



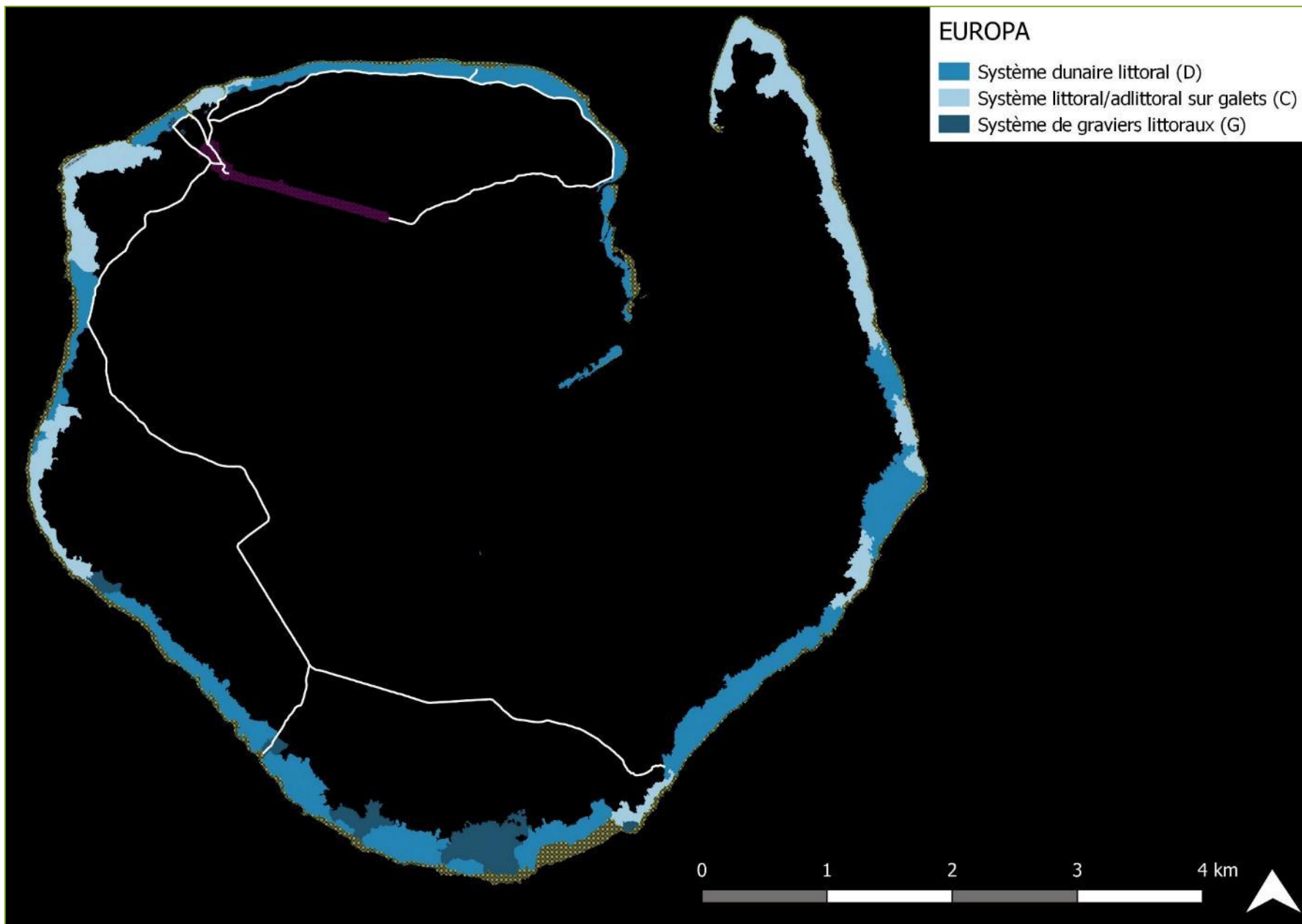
## Secteur anthropisé



0 1 2 3 4 km



## Littoral





# Littoral





# Littoral





# Littoral

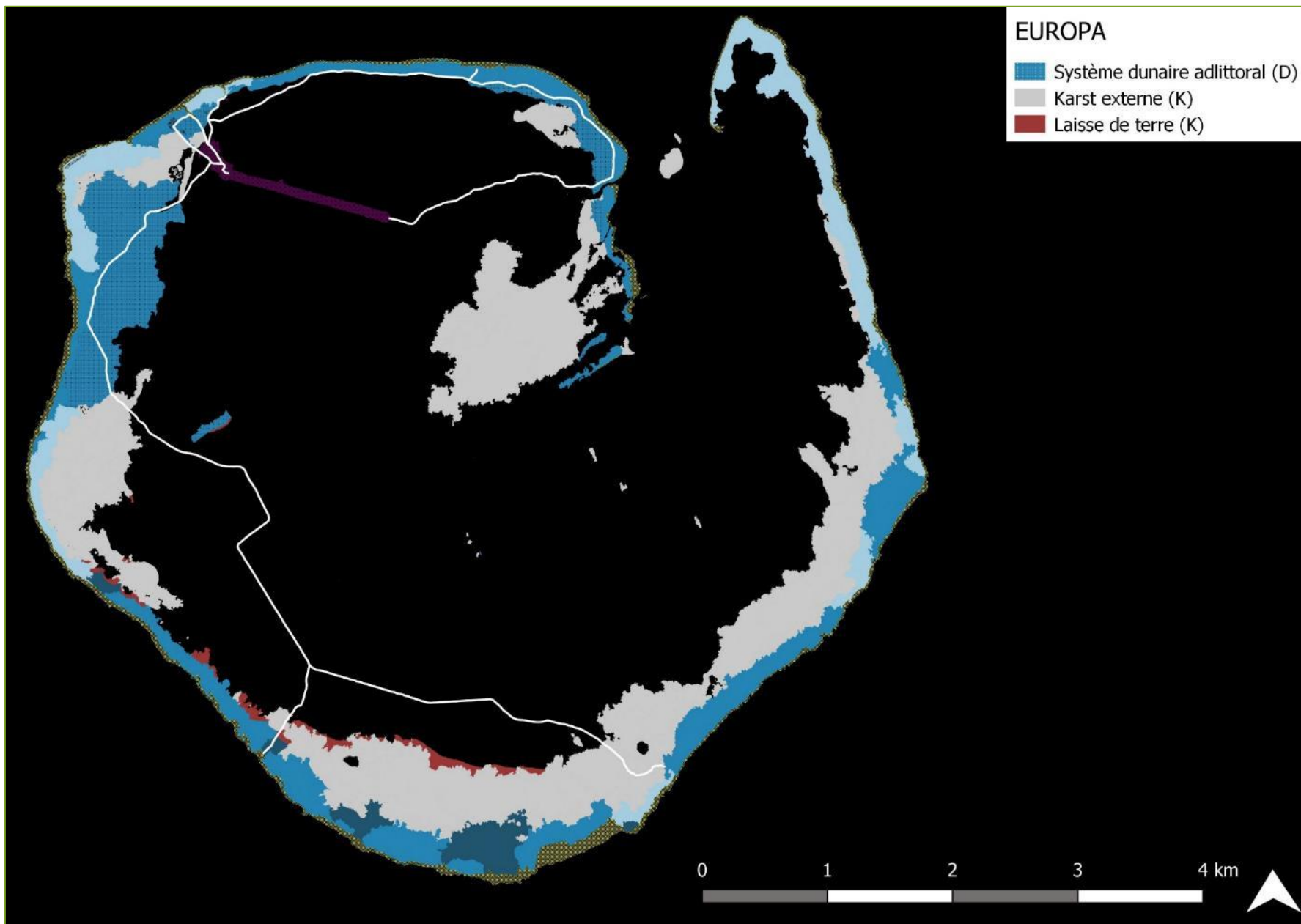


# Littoral



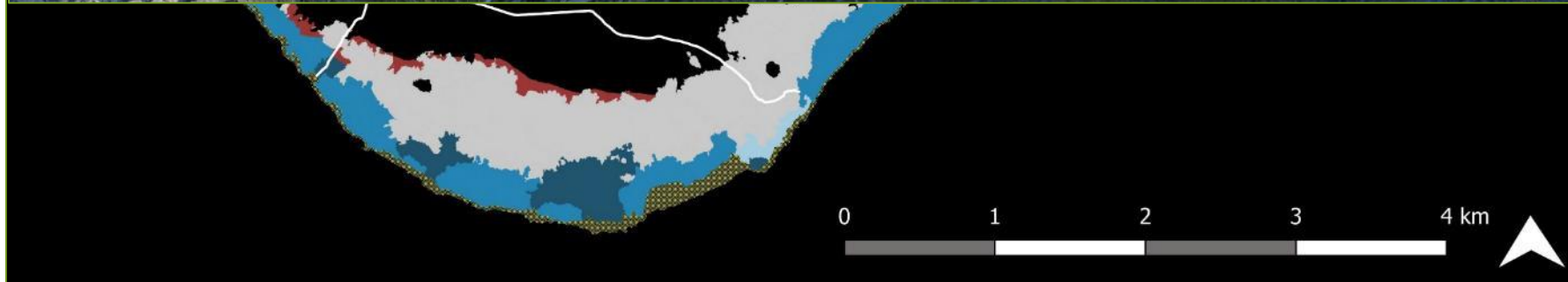
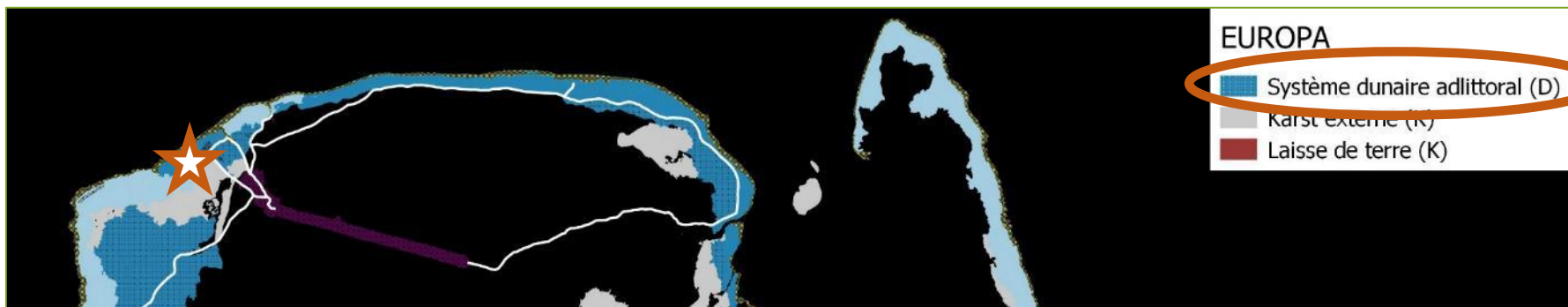


## Adlittoral



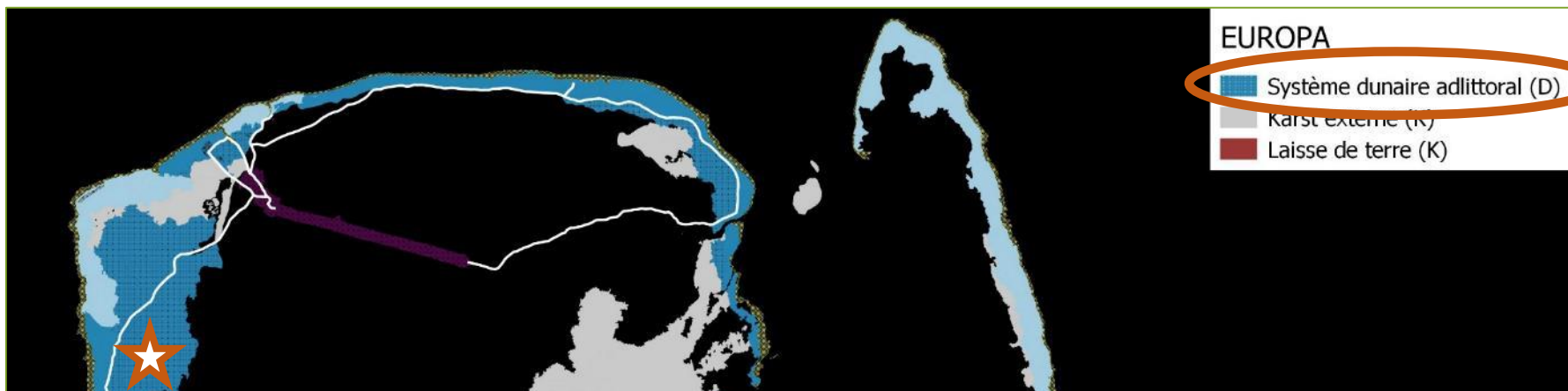


# Adlittoral



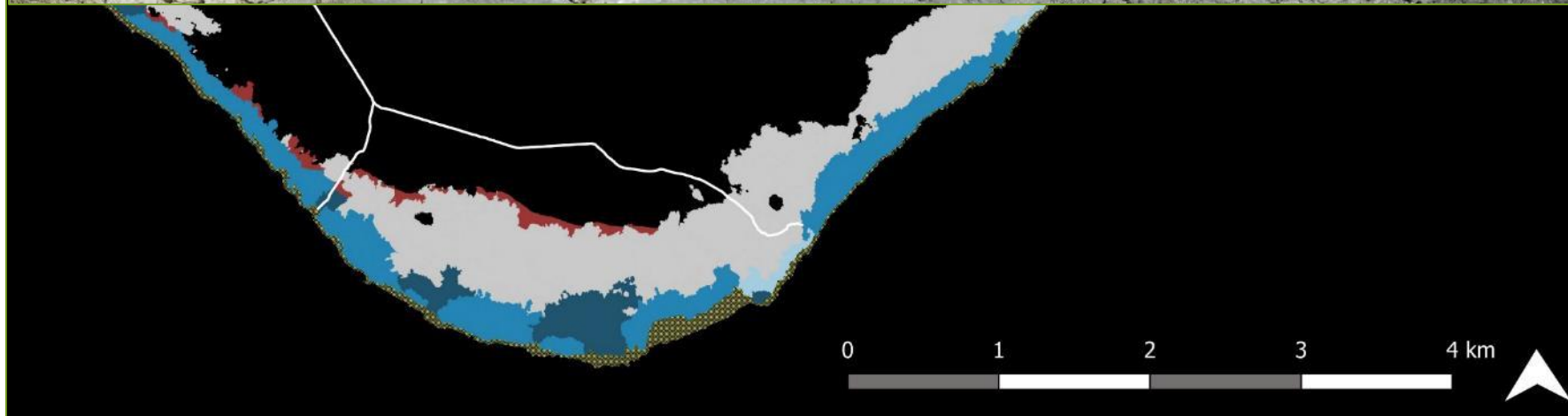


## Adlittoral

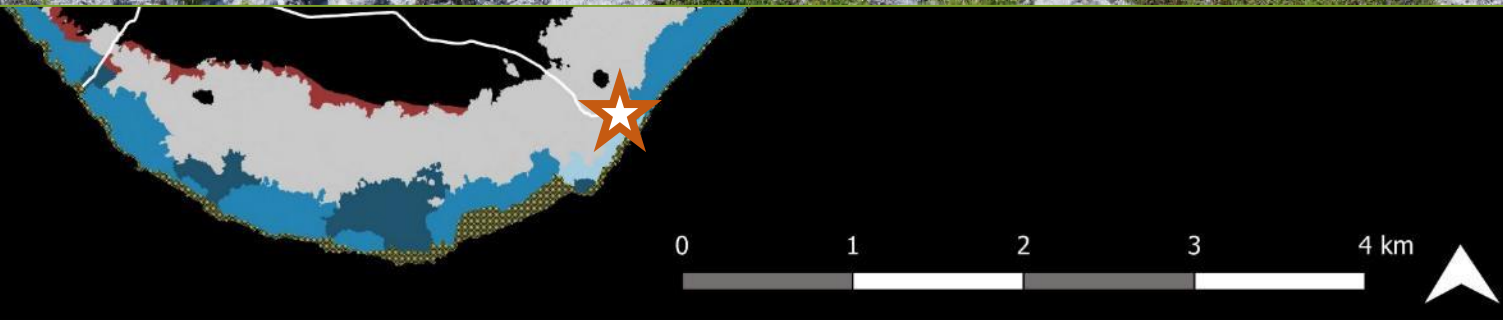




# Adlittoral

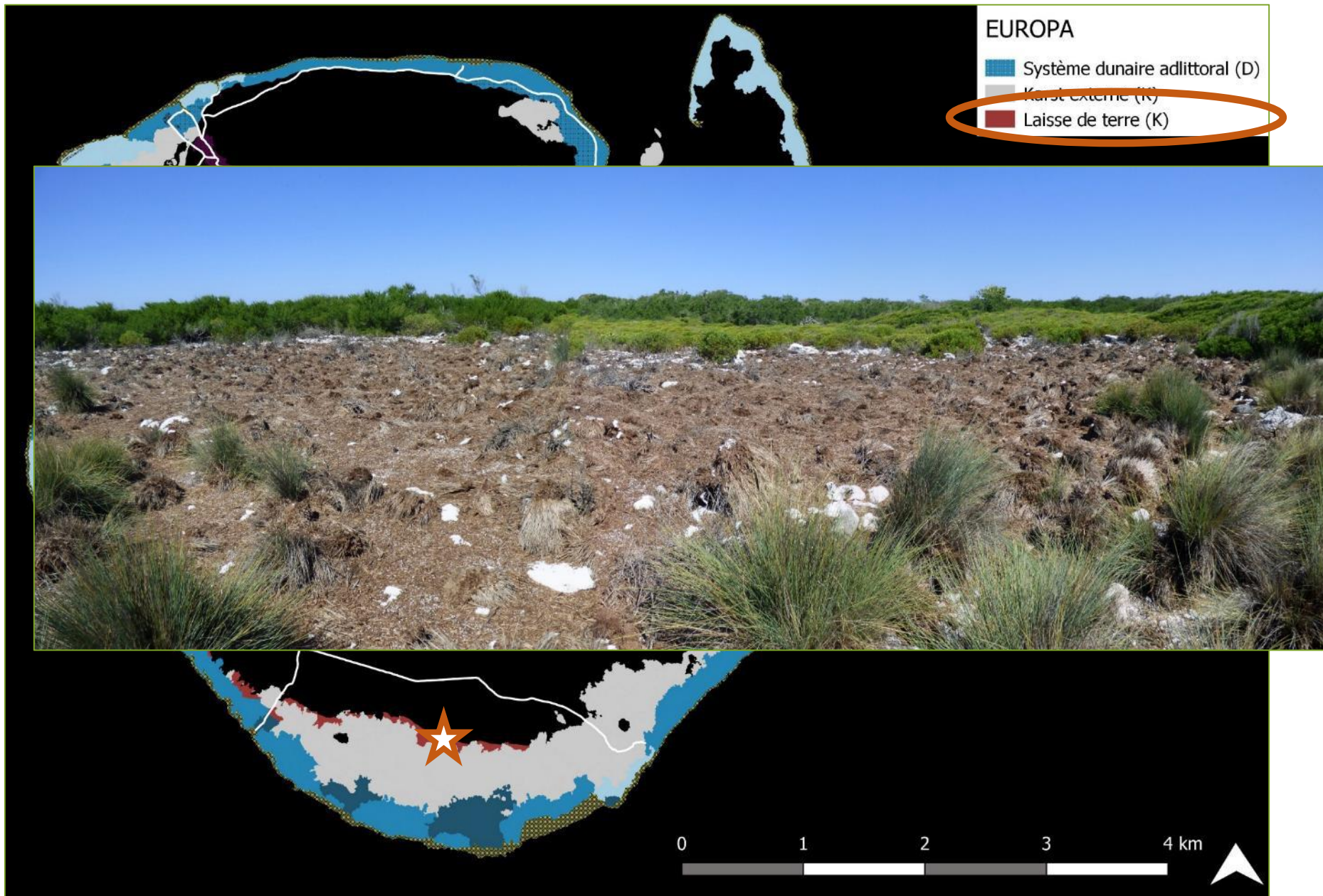


# Adlittoral

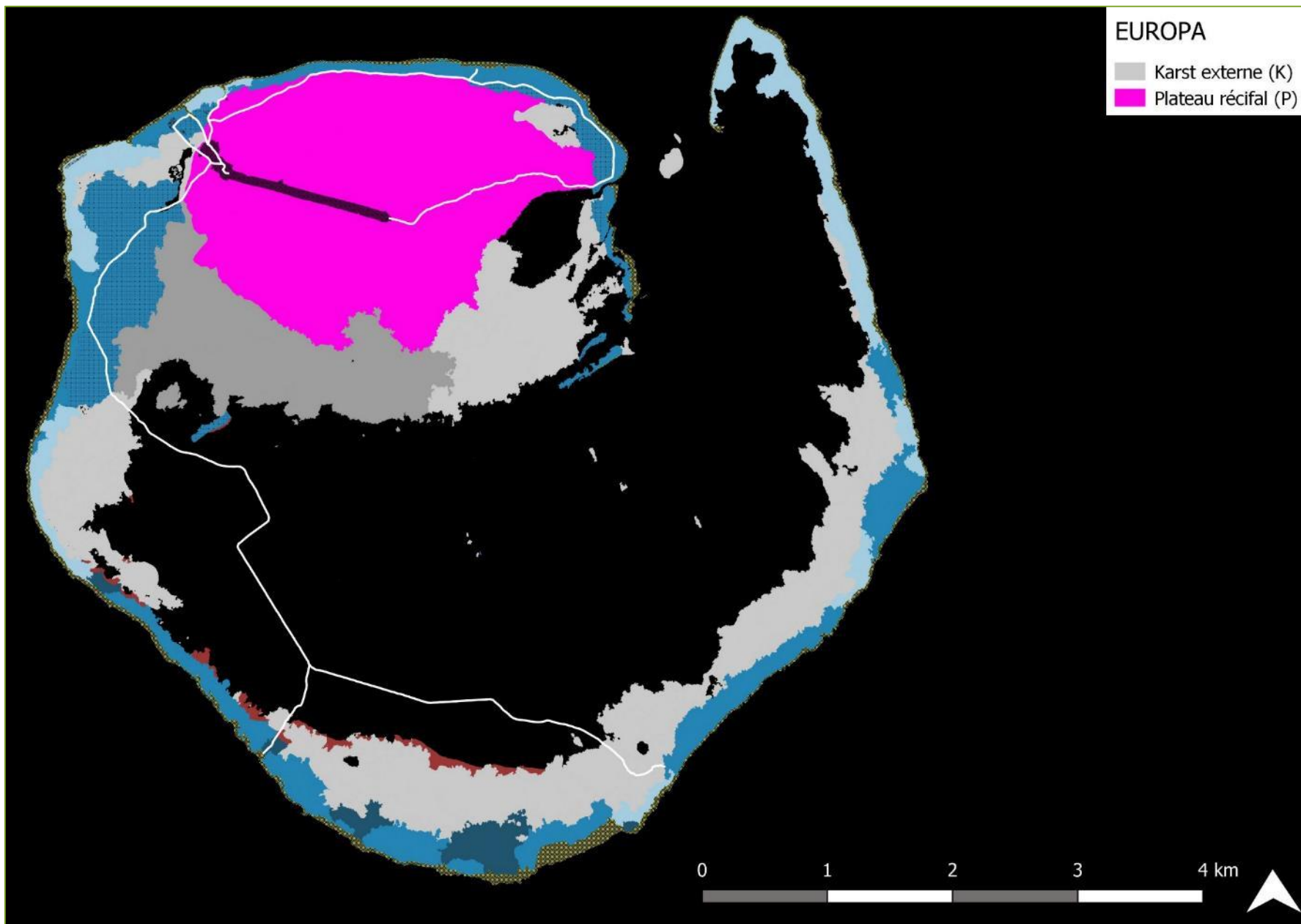




## Laisse de terre



## Karst externe & Plateau récifal



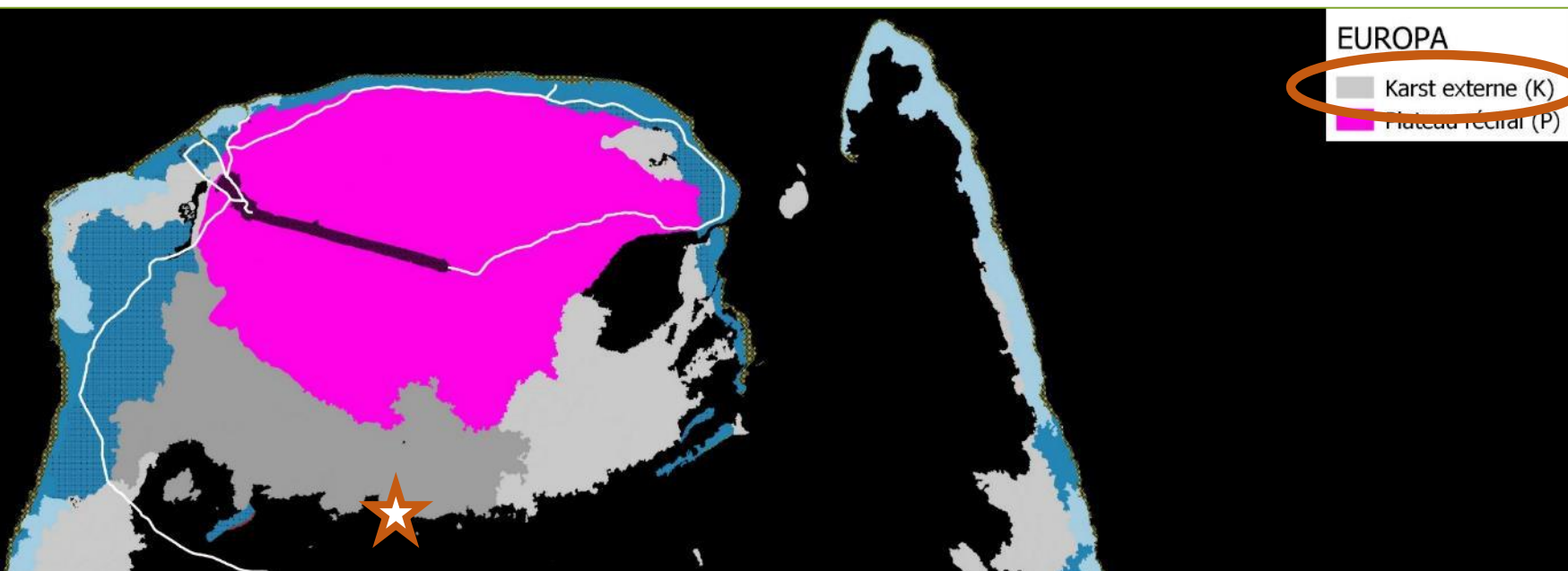


# Karst externe





## Karst externe

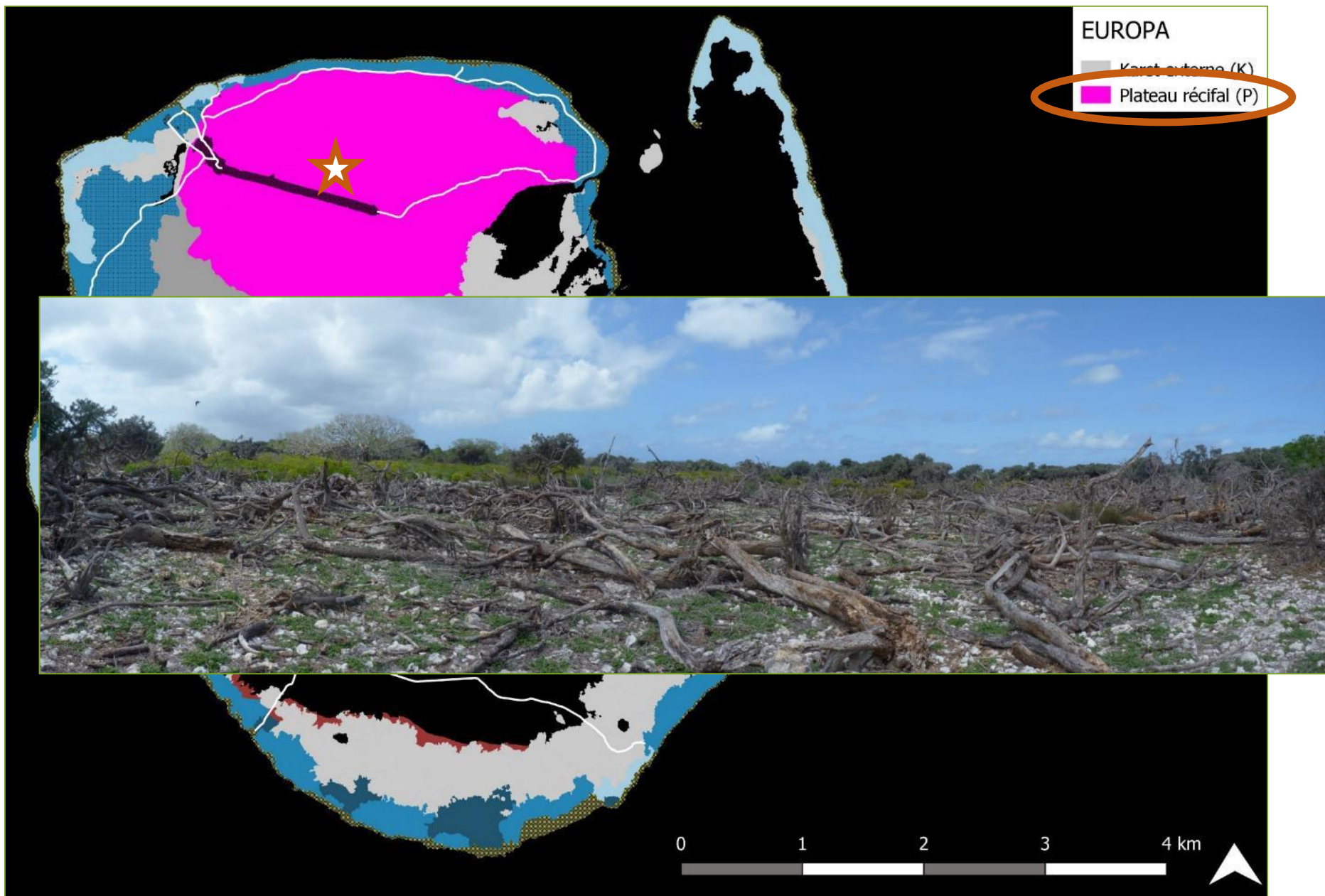


0 1 2 3 4 km



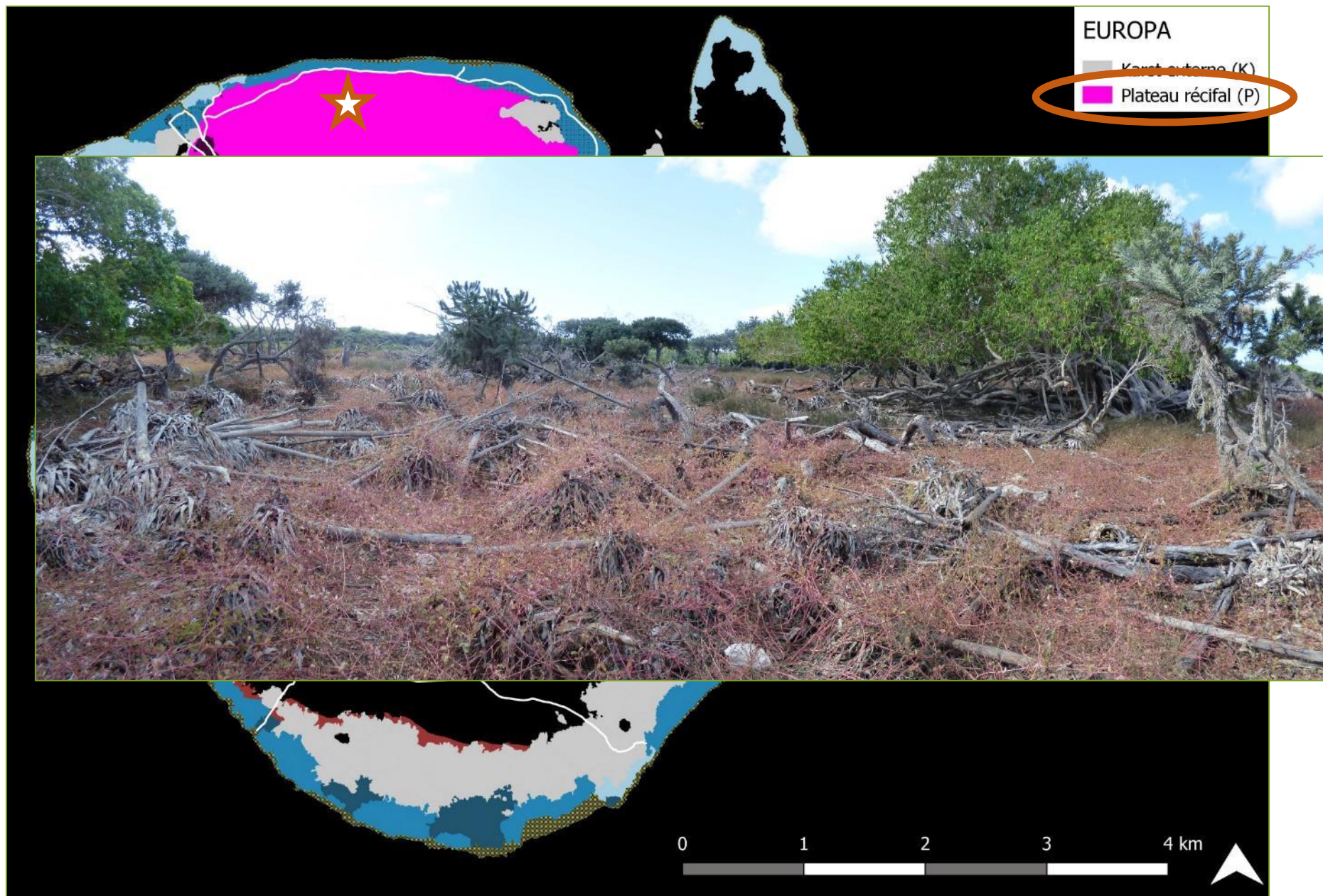


## Plateau récifal



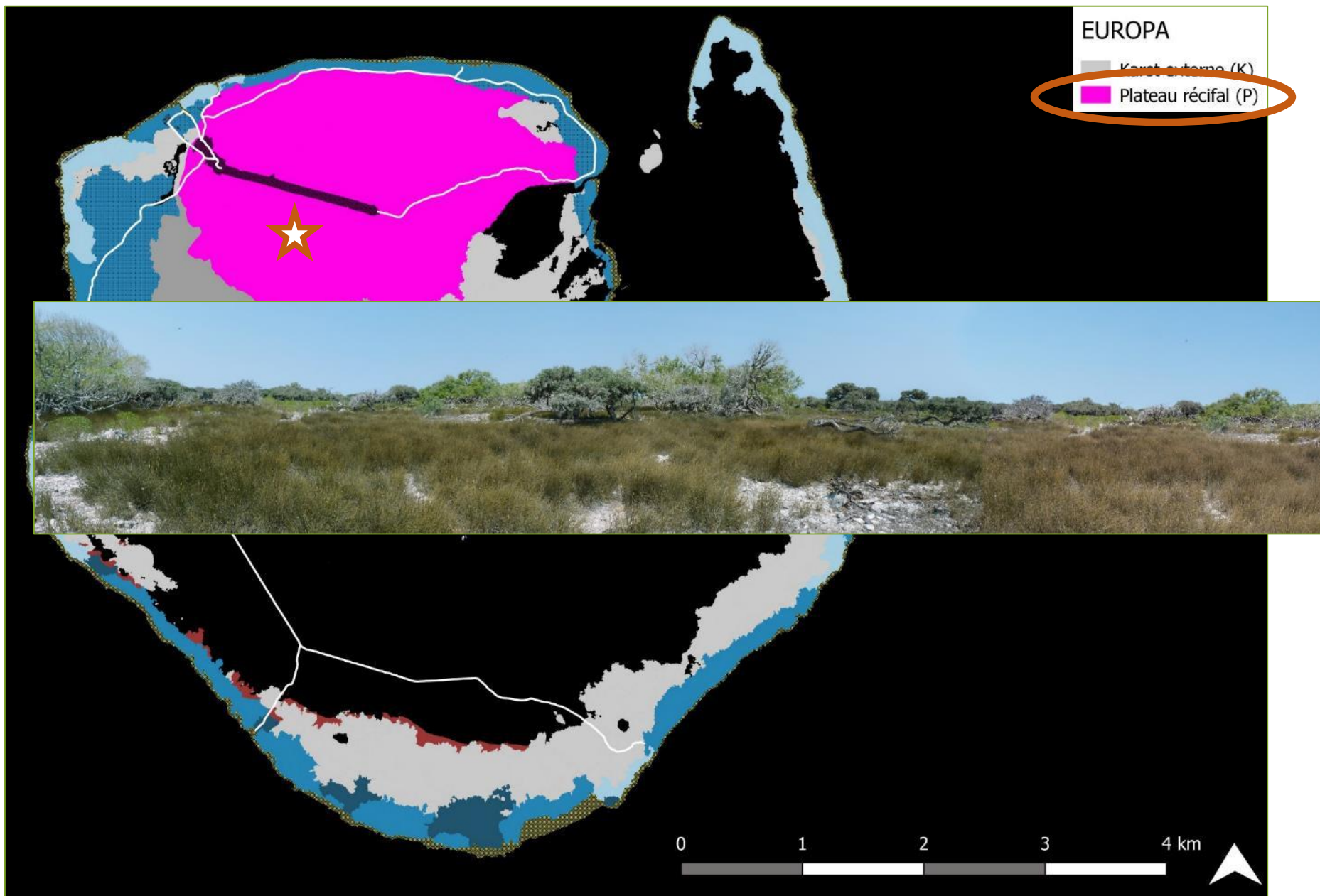


## Plateau récifal

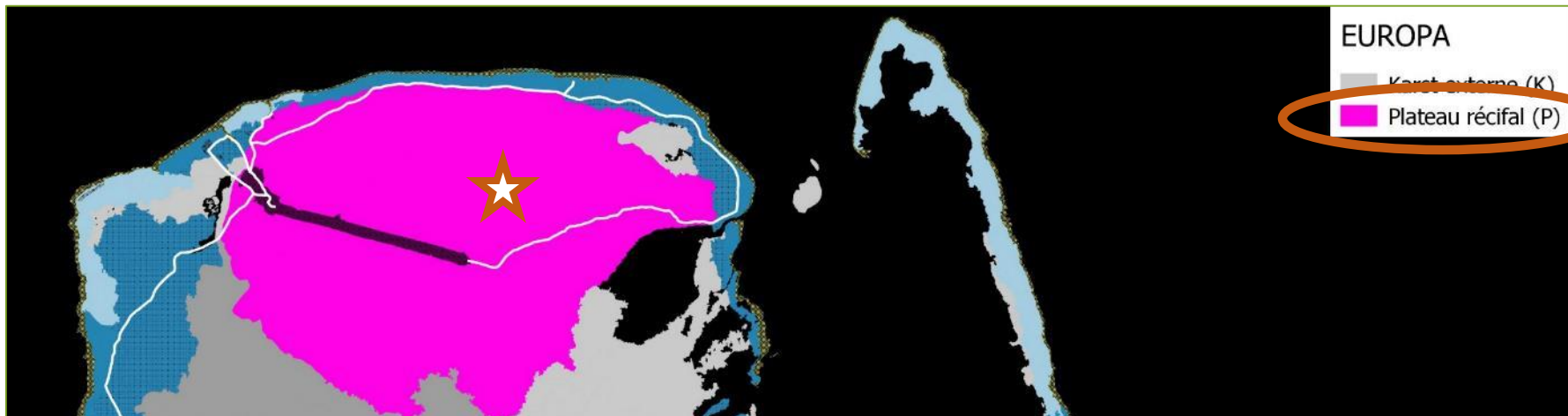




## Plateau récifal



## Plateau récifal

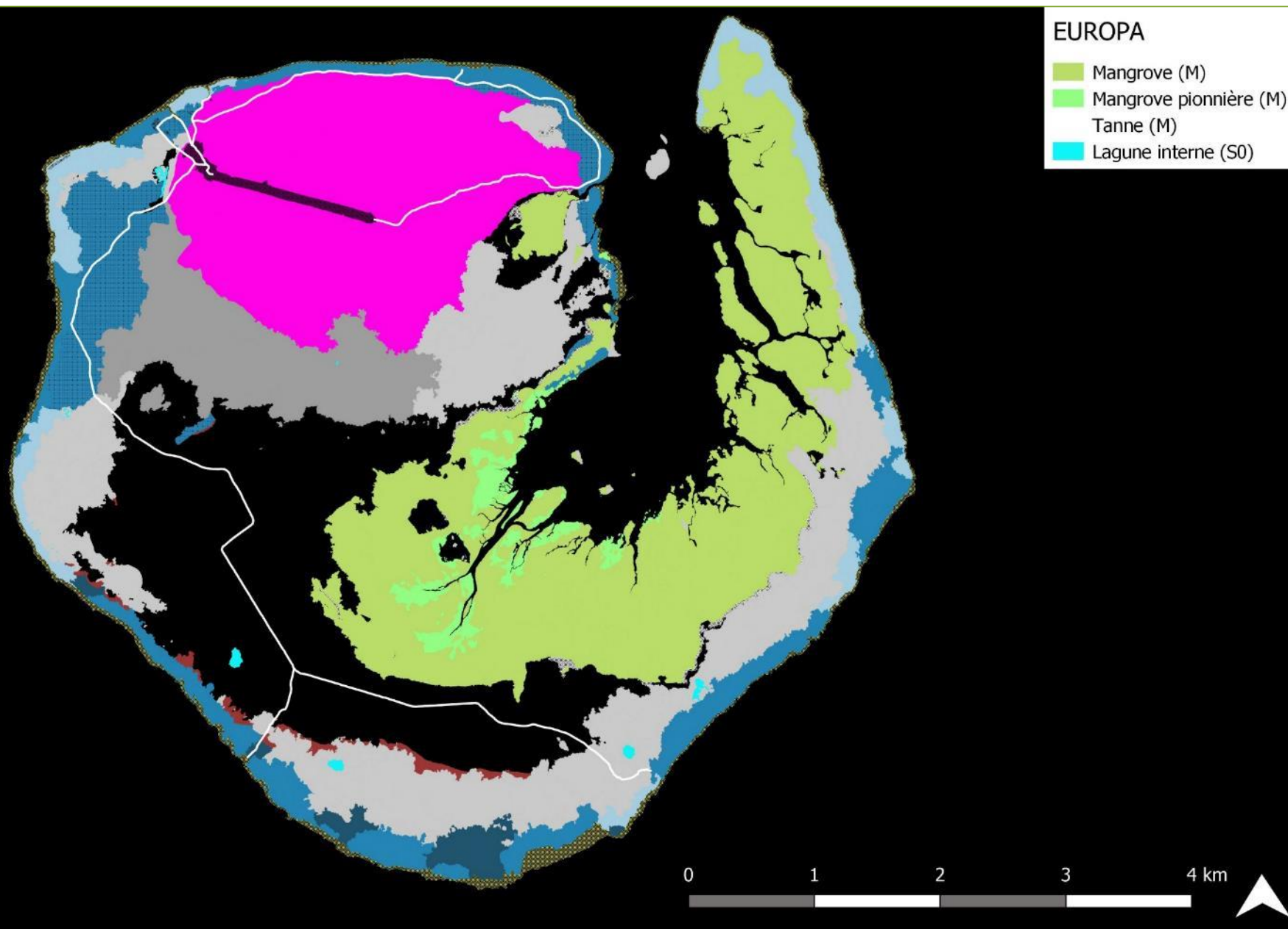


0 1 2 3 4 km

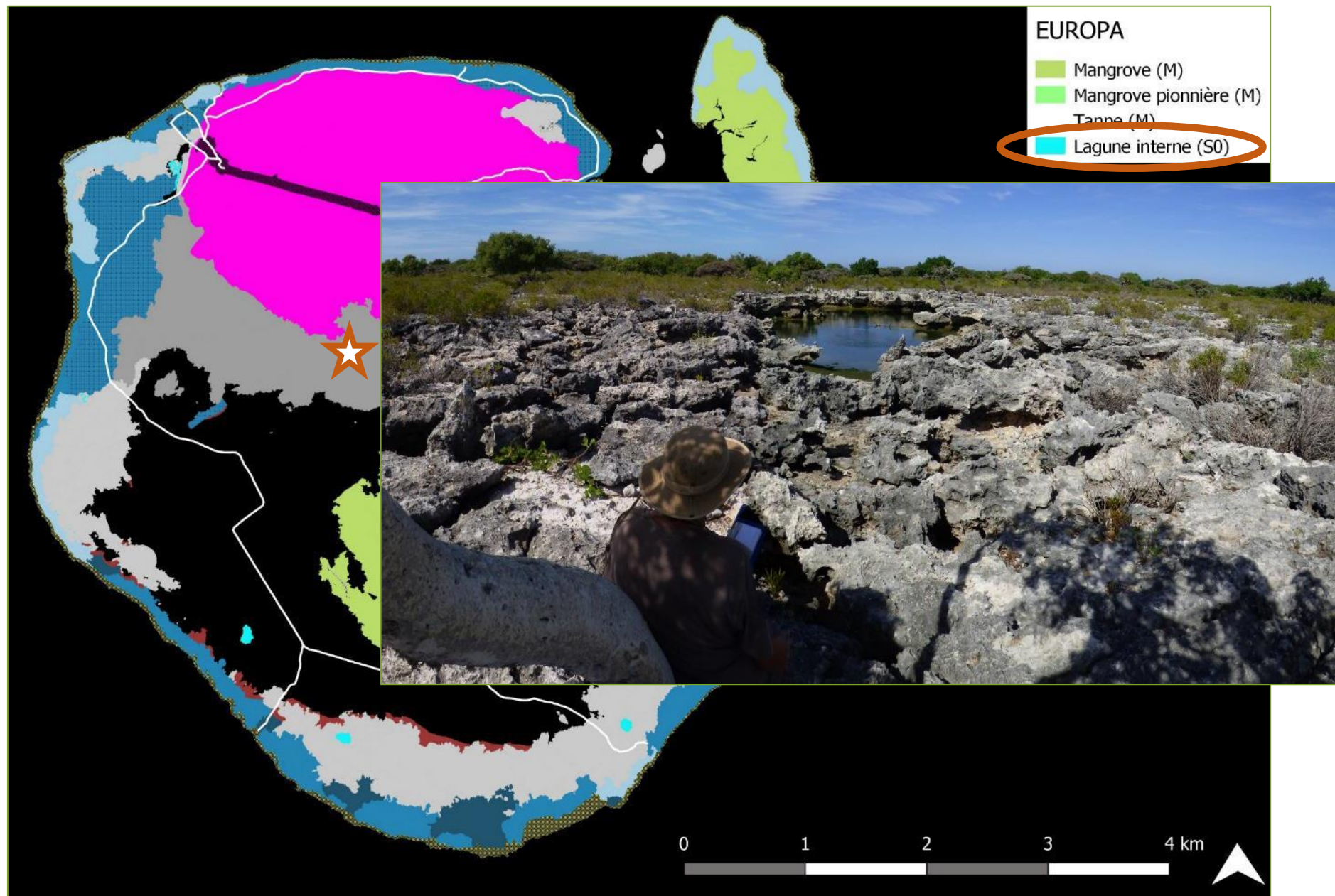




## Lagune interne et Mangrove



## Lagune interne





## Lagune interne



# Mangrove



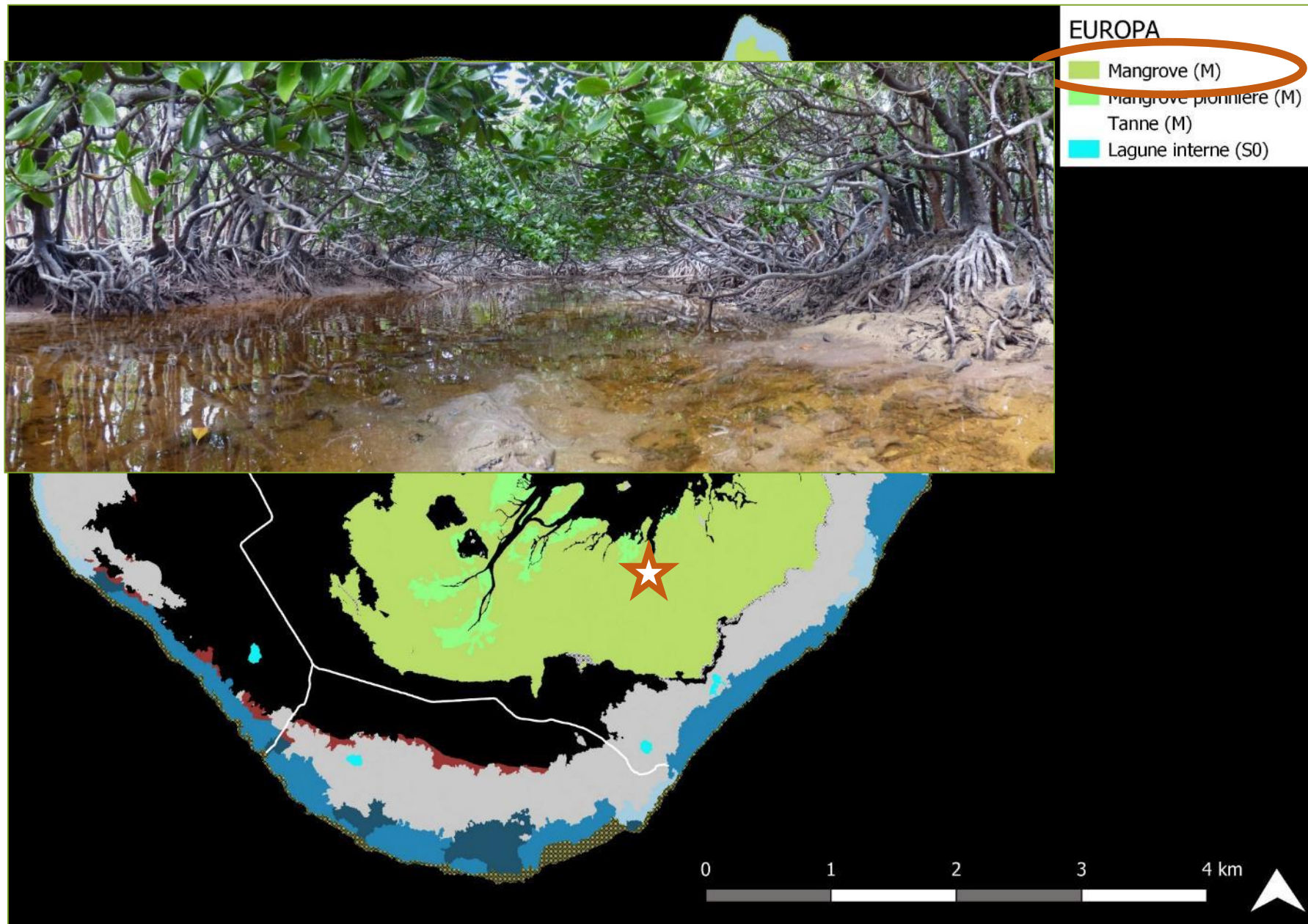


## Mangrove



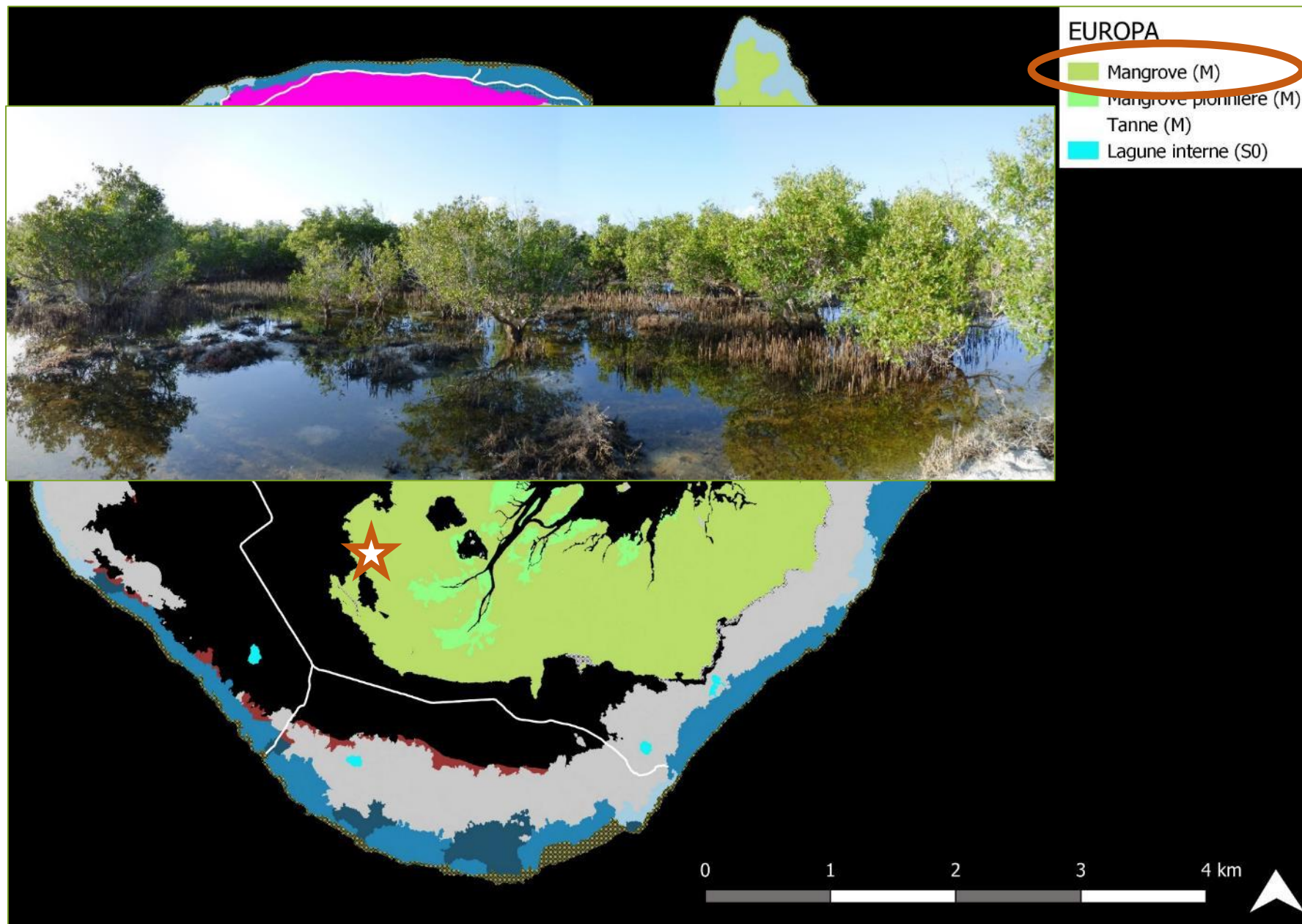


# Mangrove

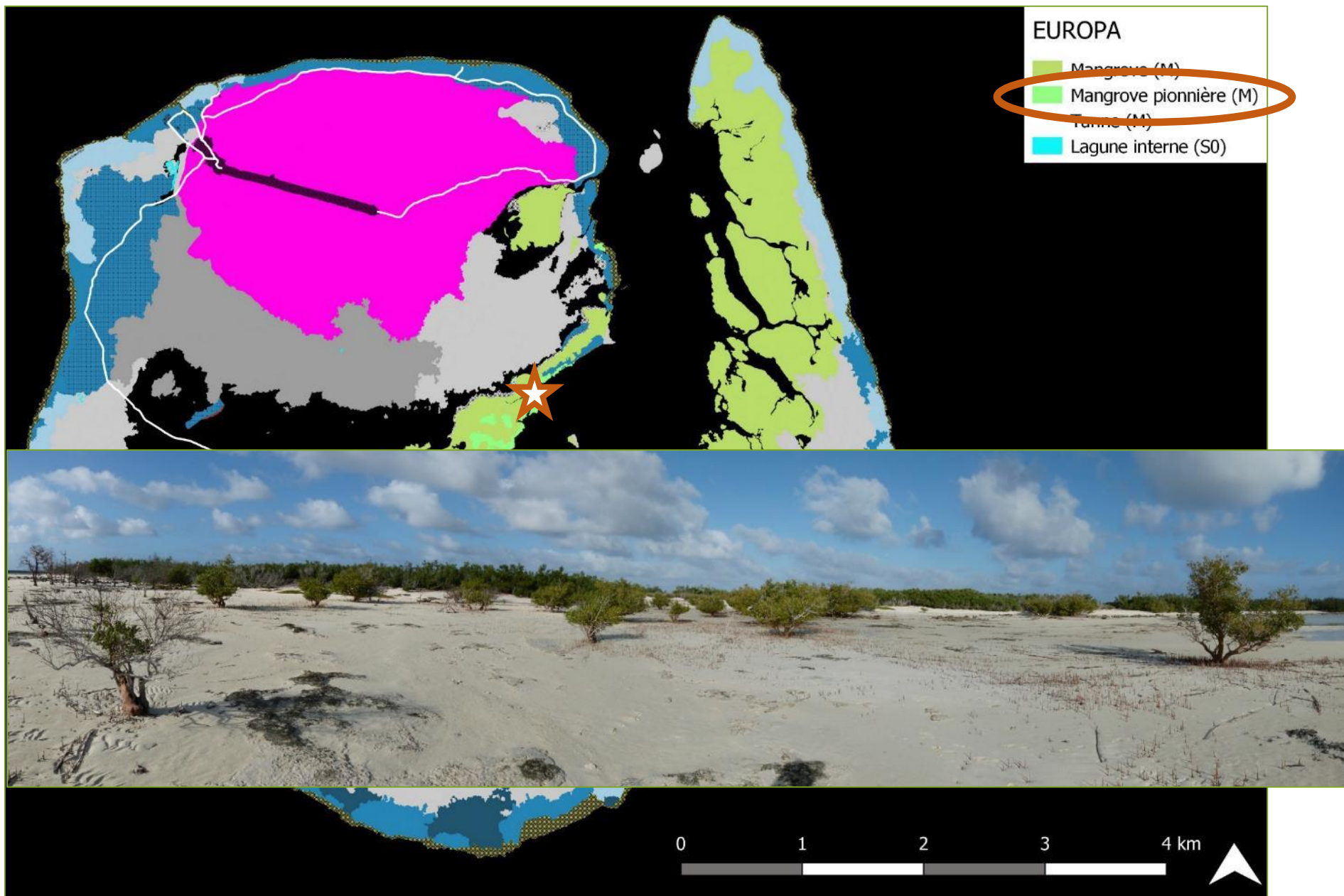




# Mangrove

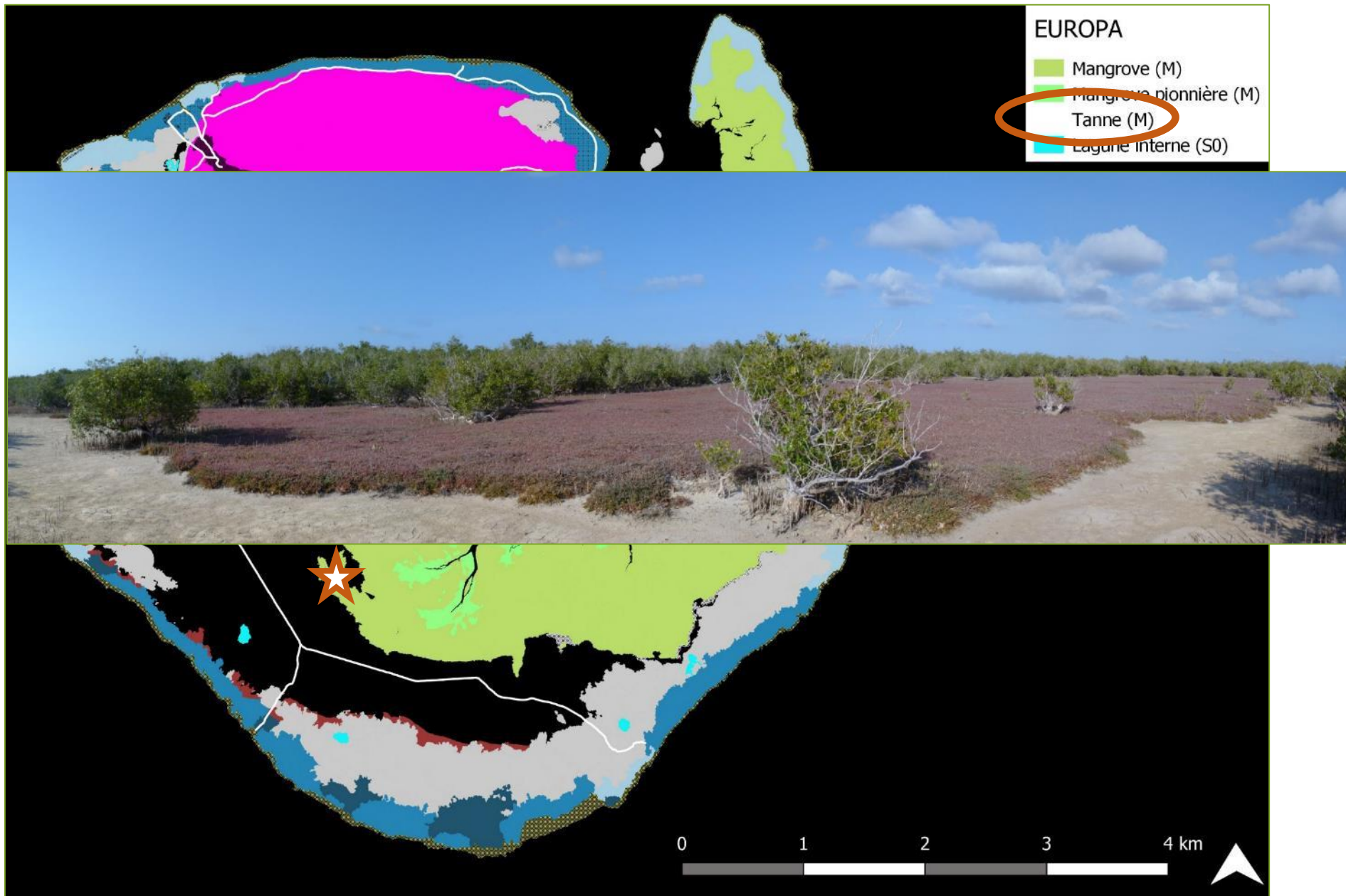


# Mangrove





# Tanne



Méthodes

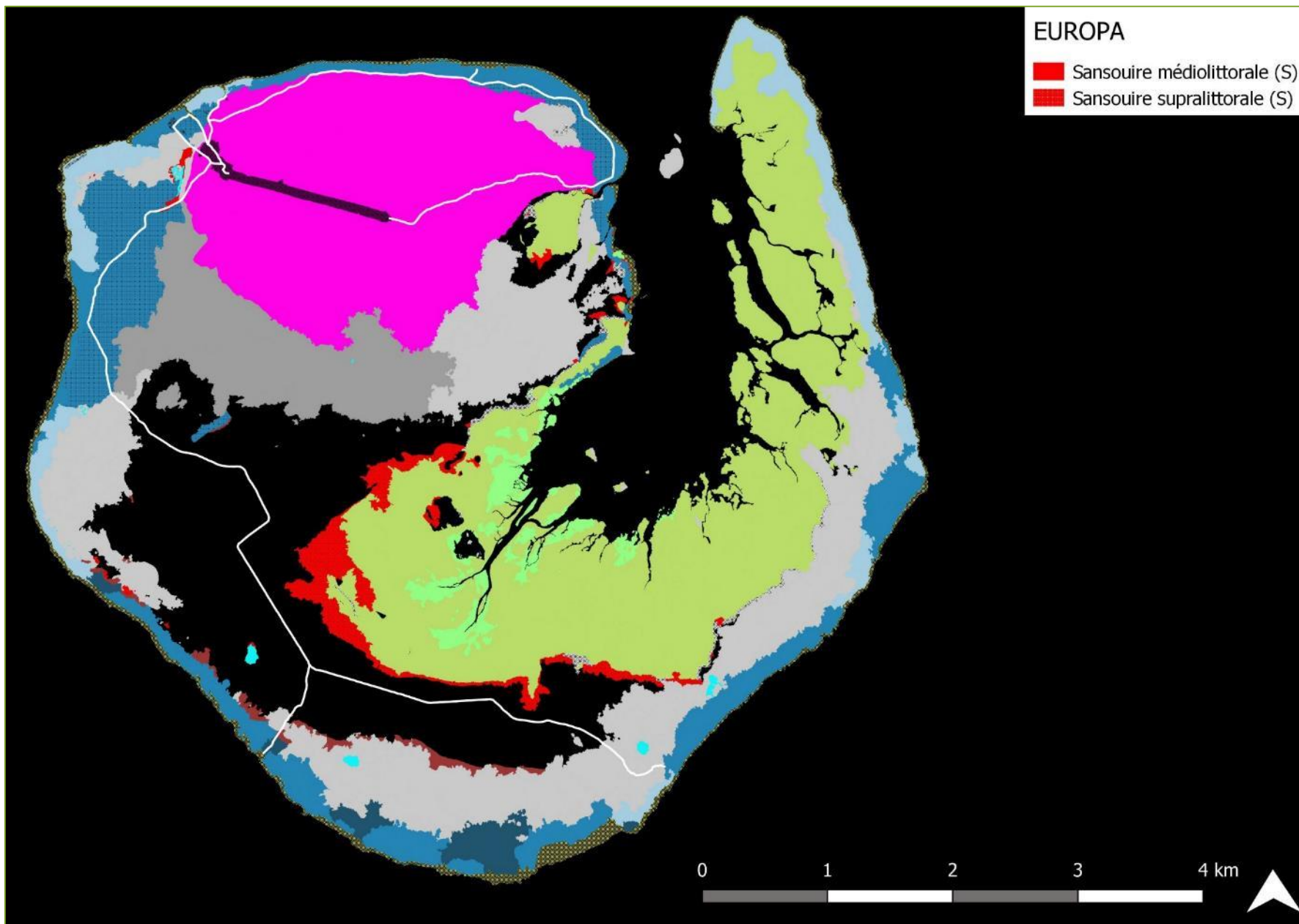
Europa

Juan de Nova

Les Glorieuses

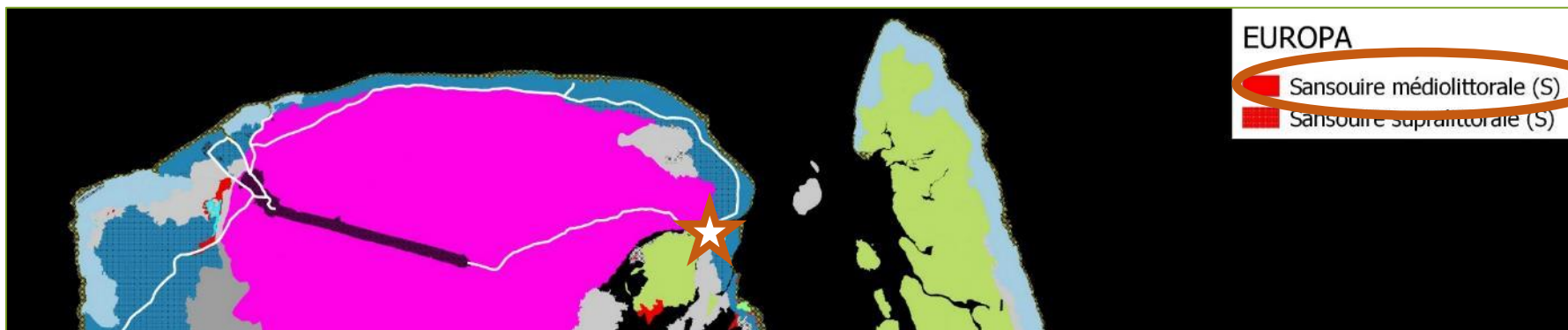
Tromelin

## Sansouïre

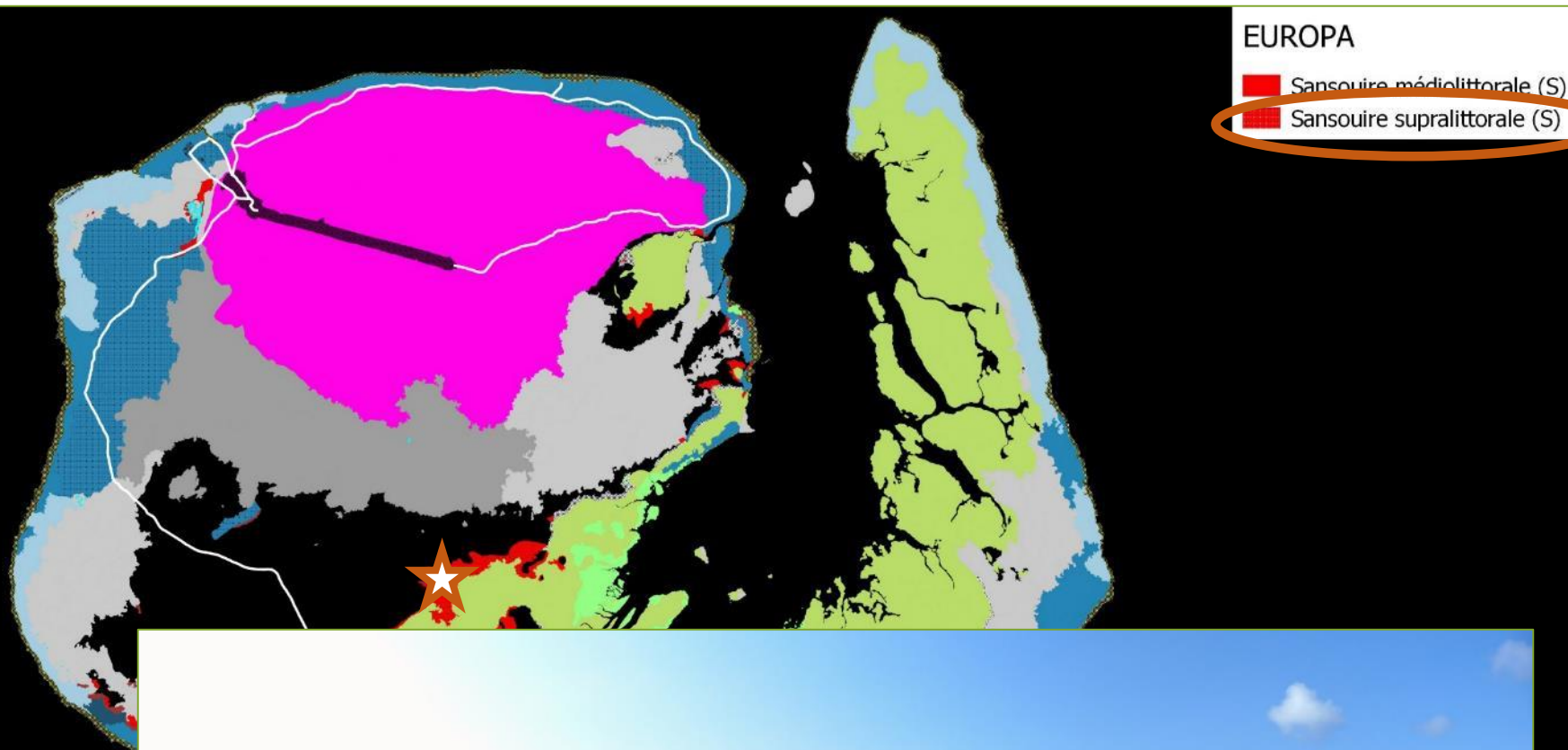




## Sansouïre médiolittorale

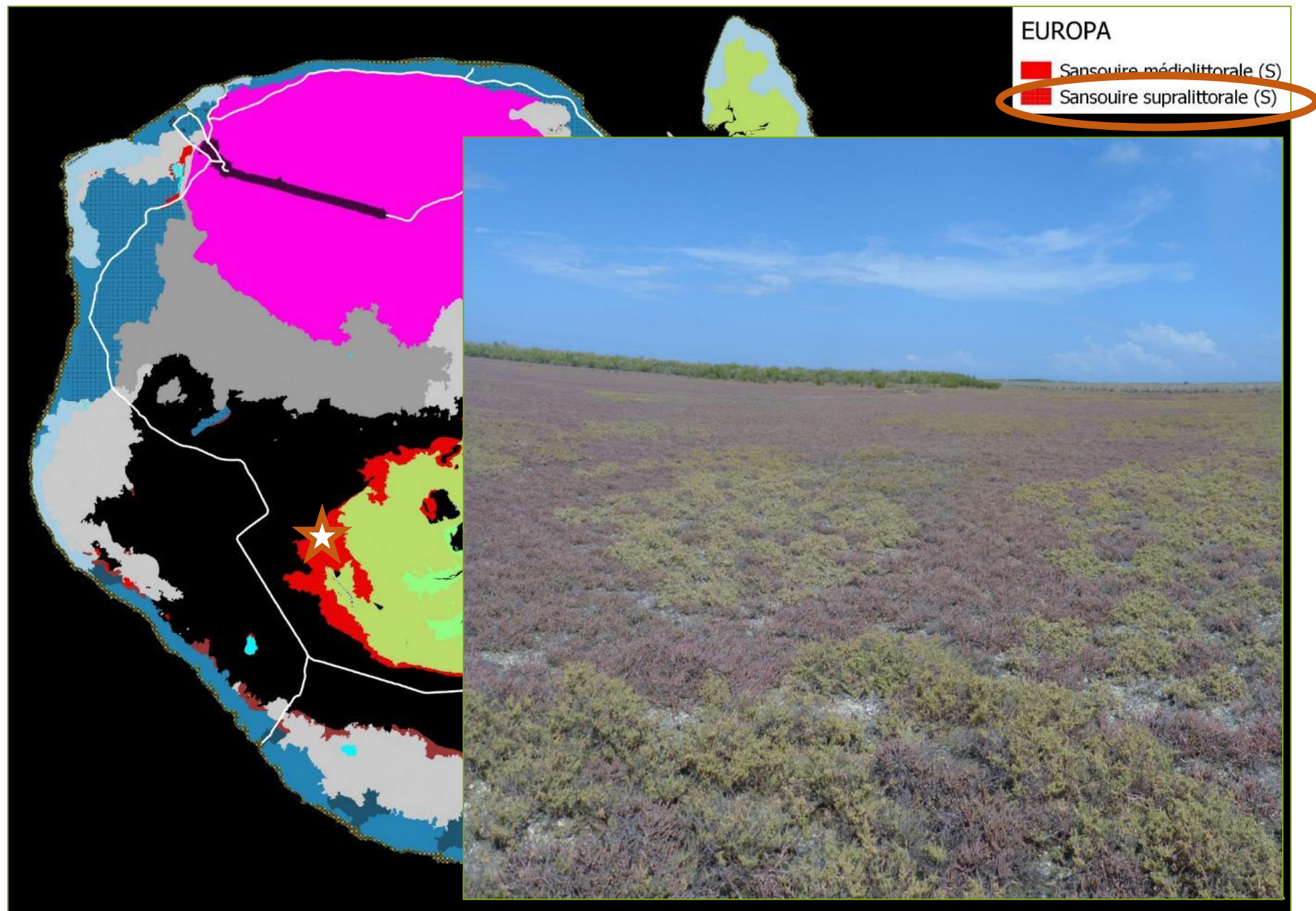


## Sansouïre supralittorale

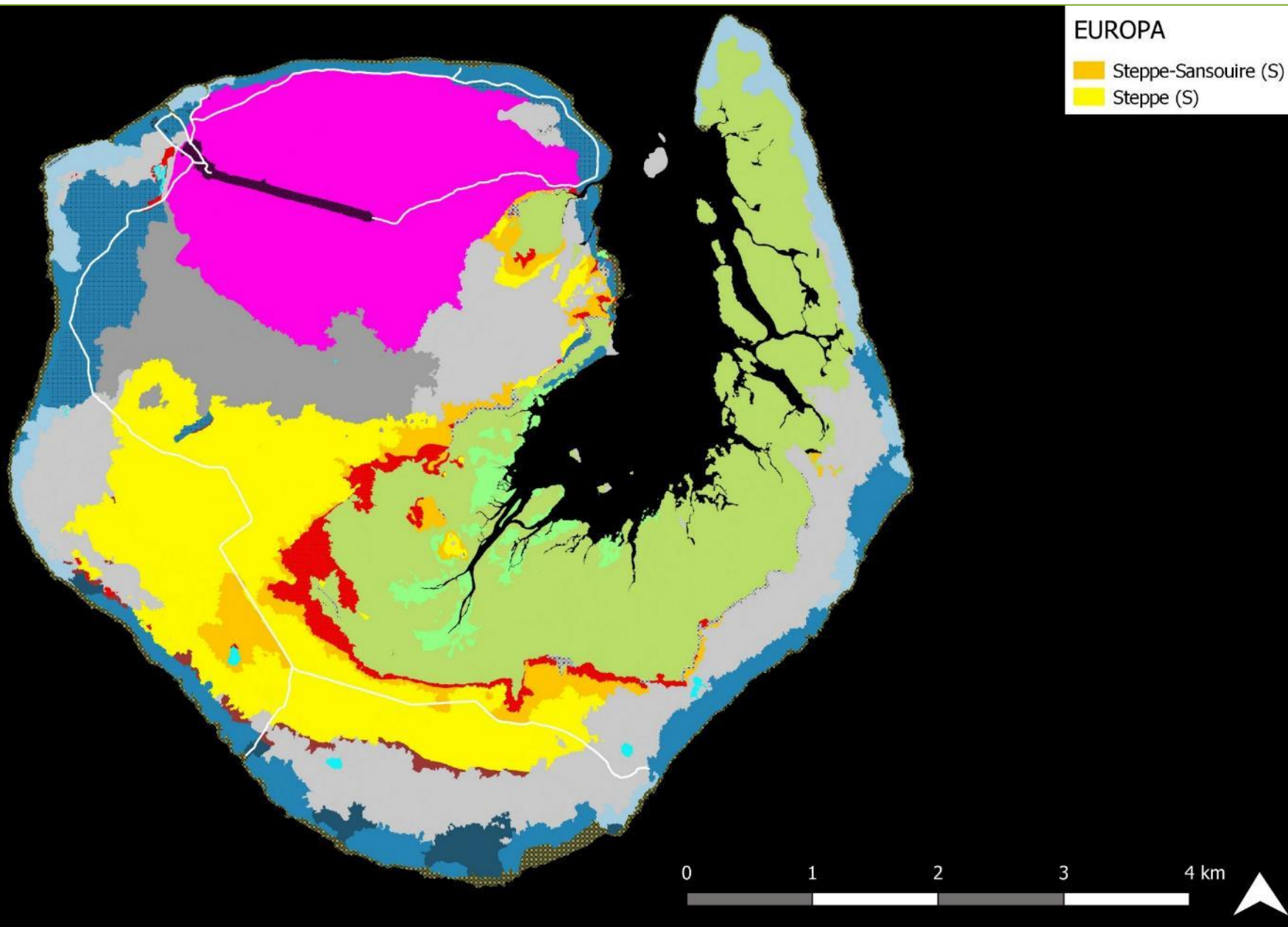




## Sansouïre supralittorale

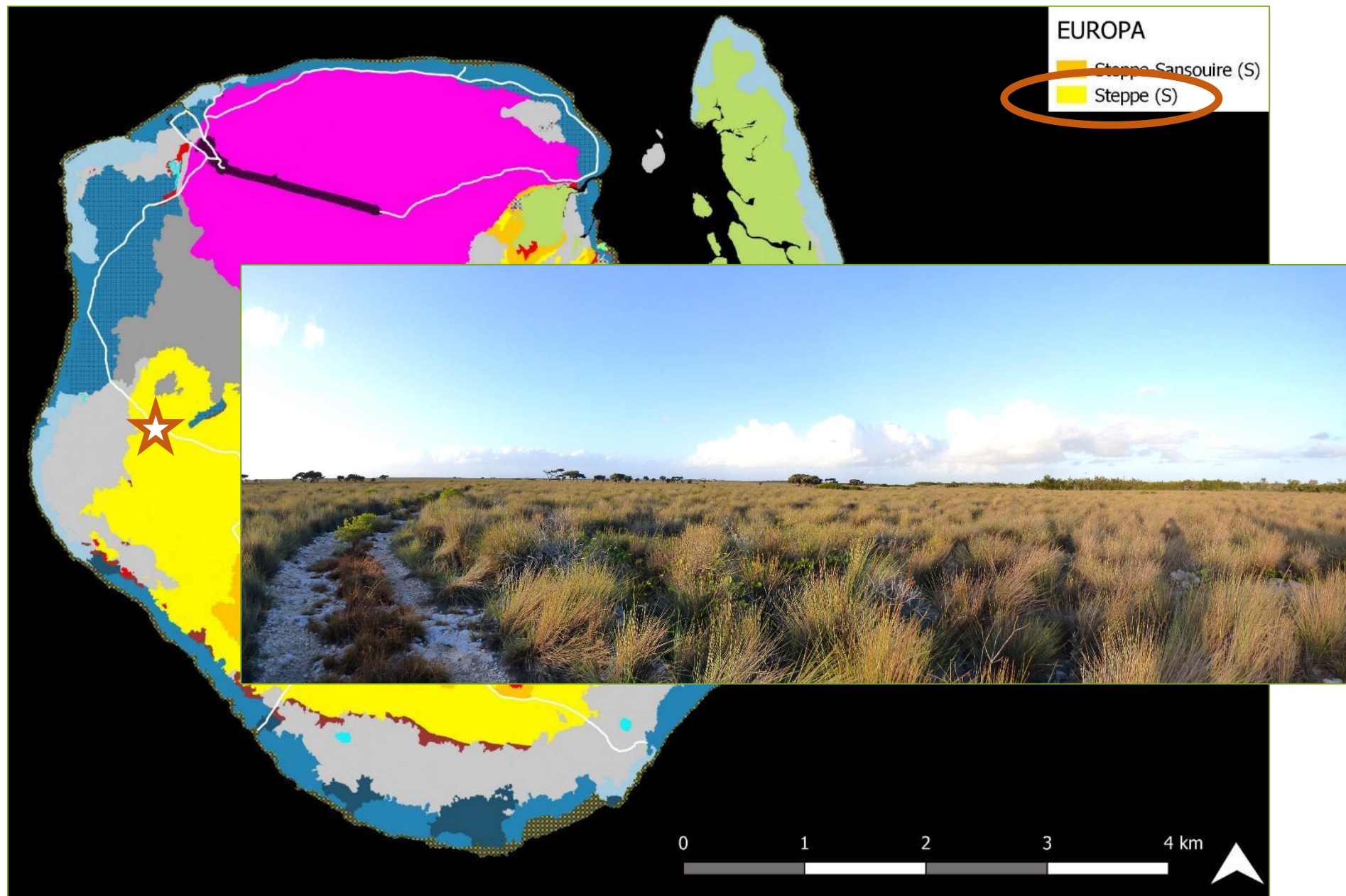


## Steppe salée et Steppe-Sansouire





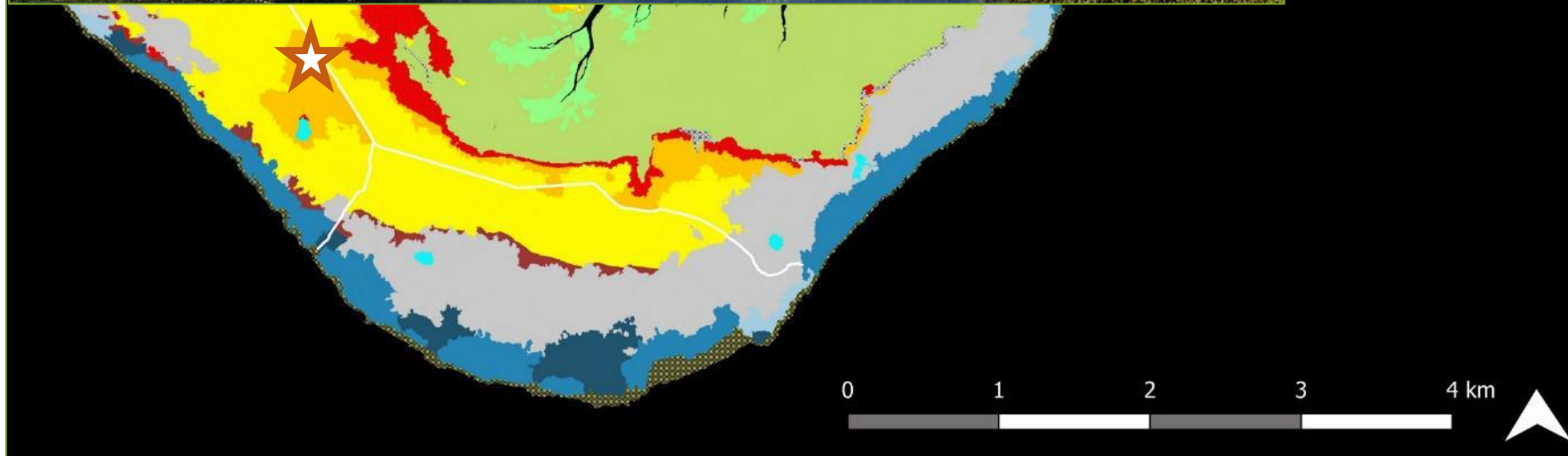
## Steppe salée



# Steppe salée



- EUROPA
- Steppe-Sansouire (S)
  - Steppe (S)





Méthodes

Europa

Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Secteurs non végétalisés et anthropisés



0

1

2

3

4 km



Méthodes

Europa

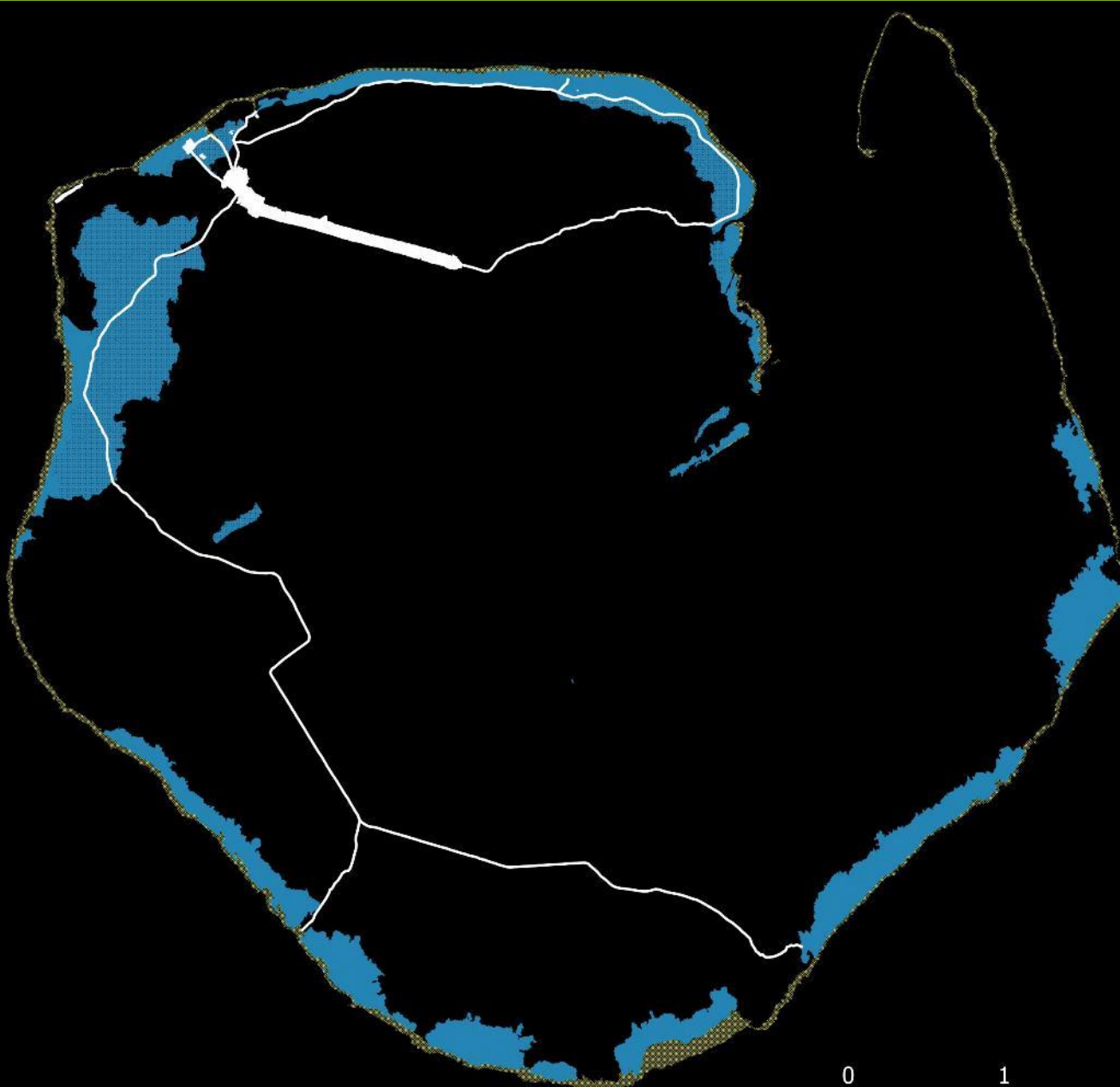
Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système dunaire littoral/adlittoral



0 1 2 3 4 km





Méthodes

Europa

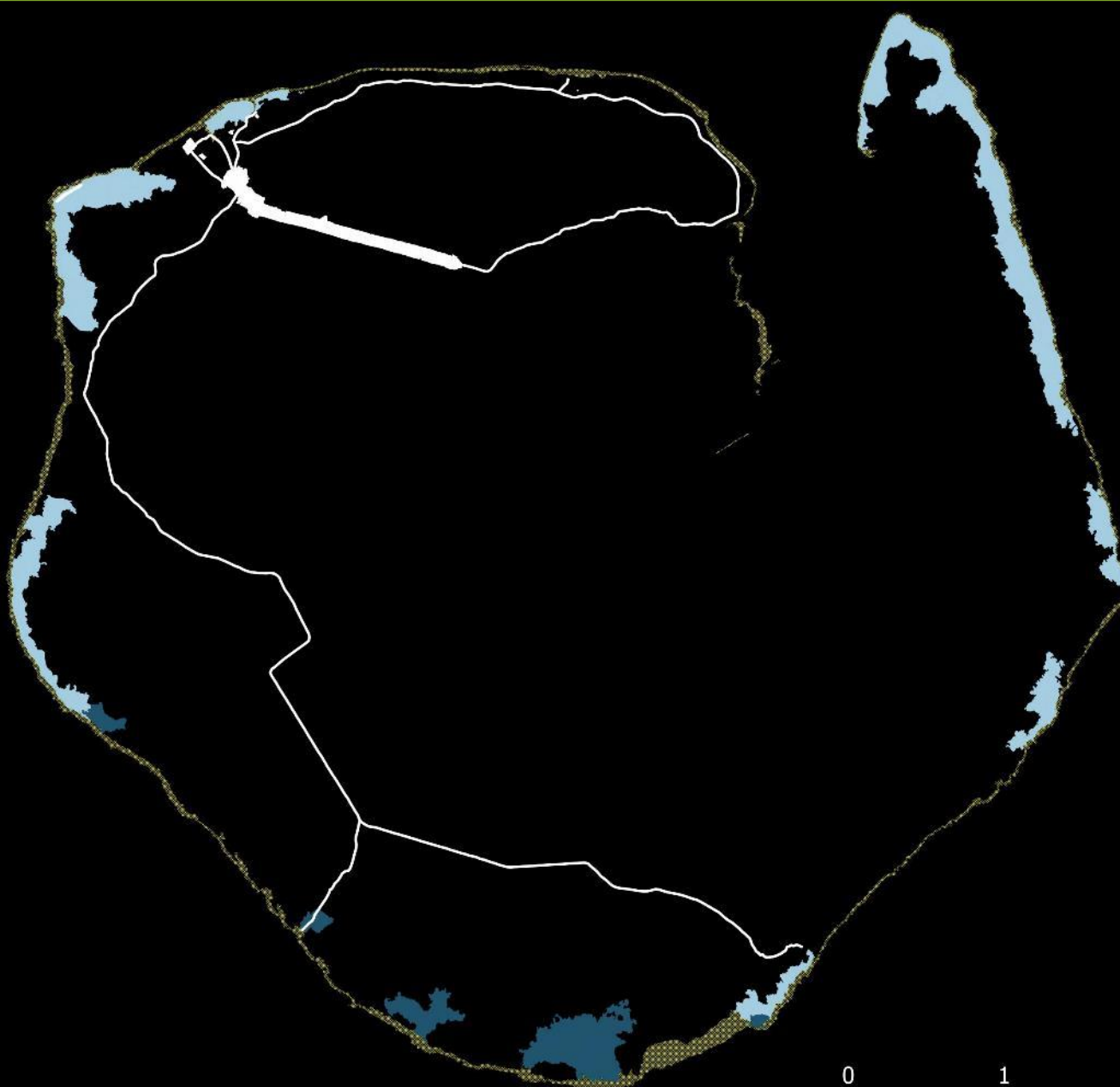
Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système de galets/graviers littoral/adlittoral



0 1 2 3 4 km



Méthodes

Europa

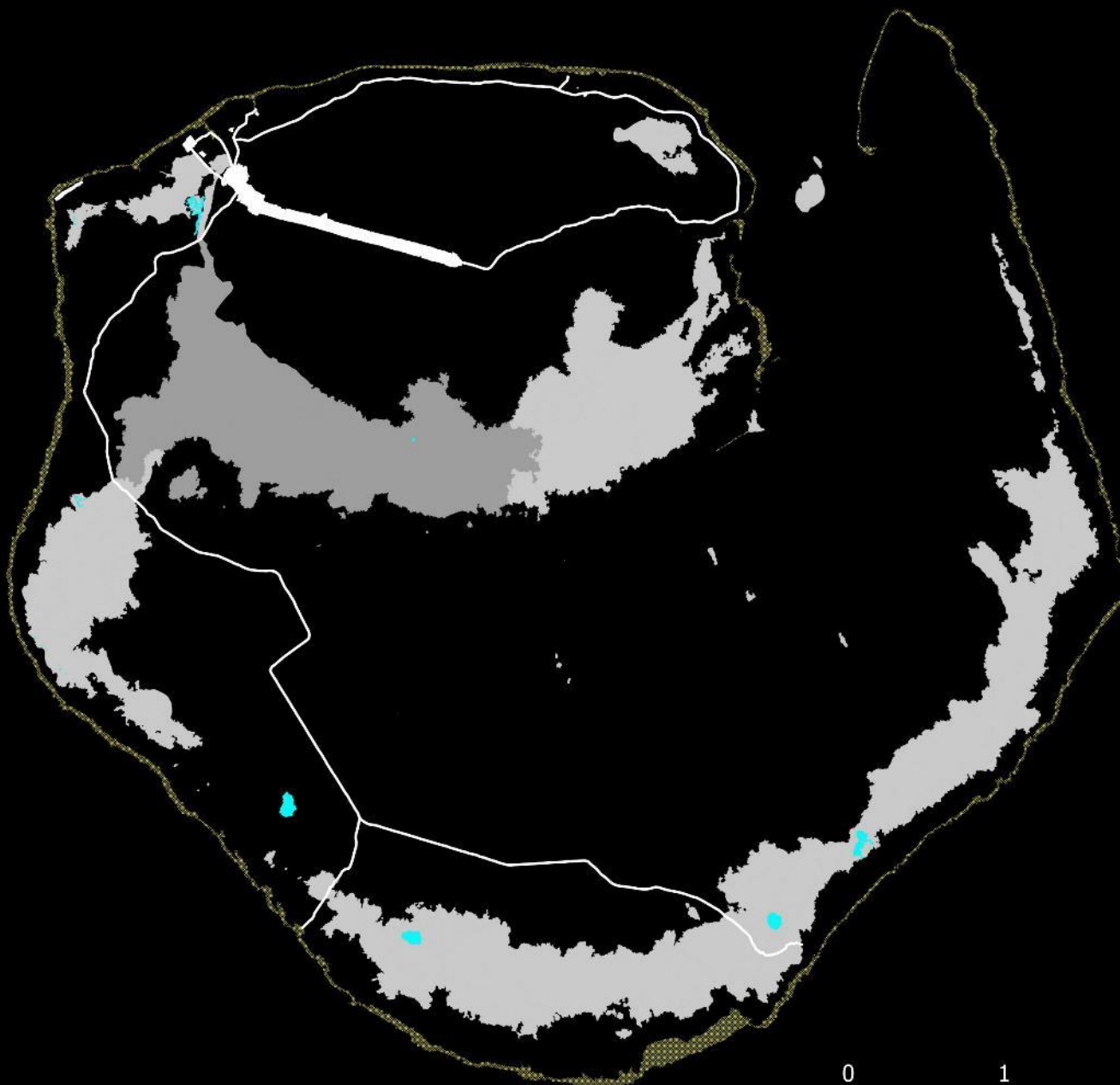
Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système de karst corallien adlittoral



0 1 2 3 4 km





Méthodes

Europa

Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système du plateau récifal adlittoral



0

1

2

3

4 km

Méthodes

Europa

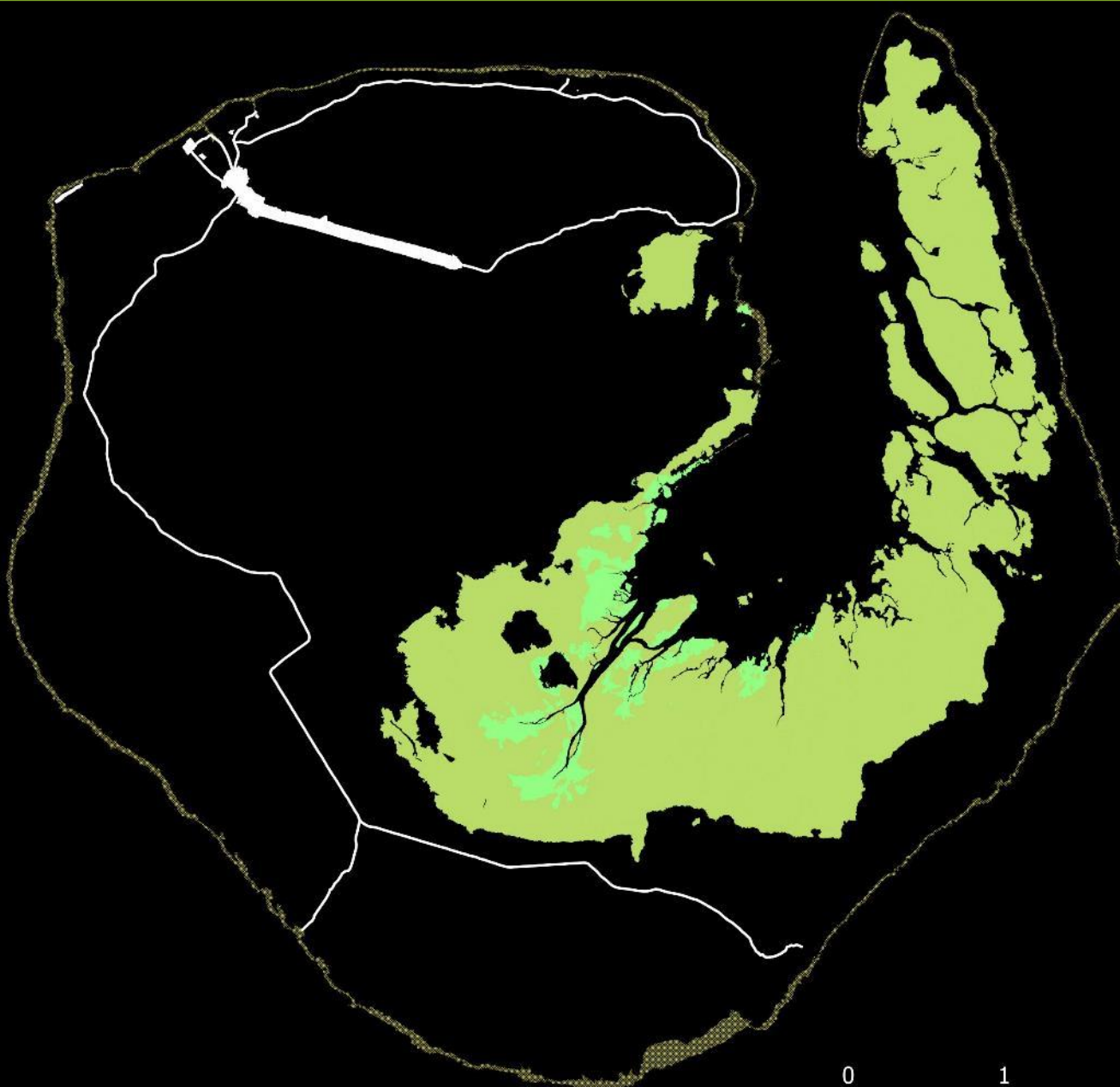
Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système de mangroves lagunaires



0 1 2 3 4 km





Méthodes

Europa

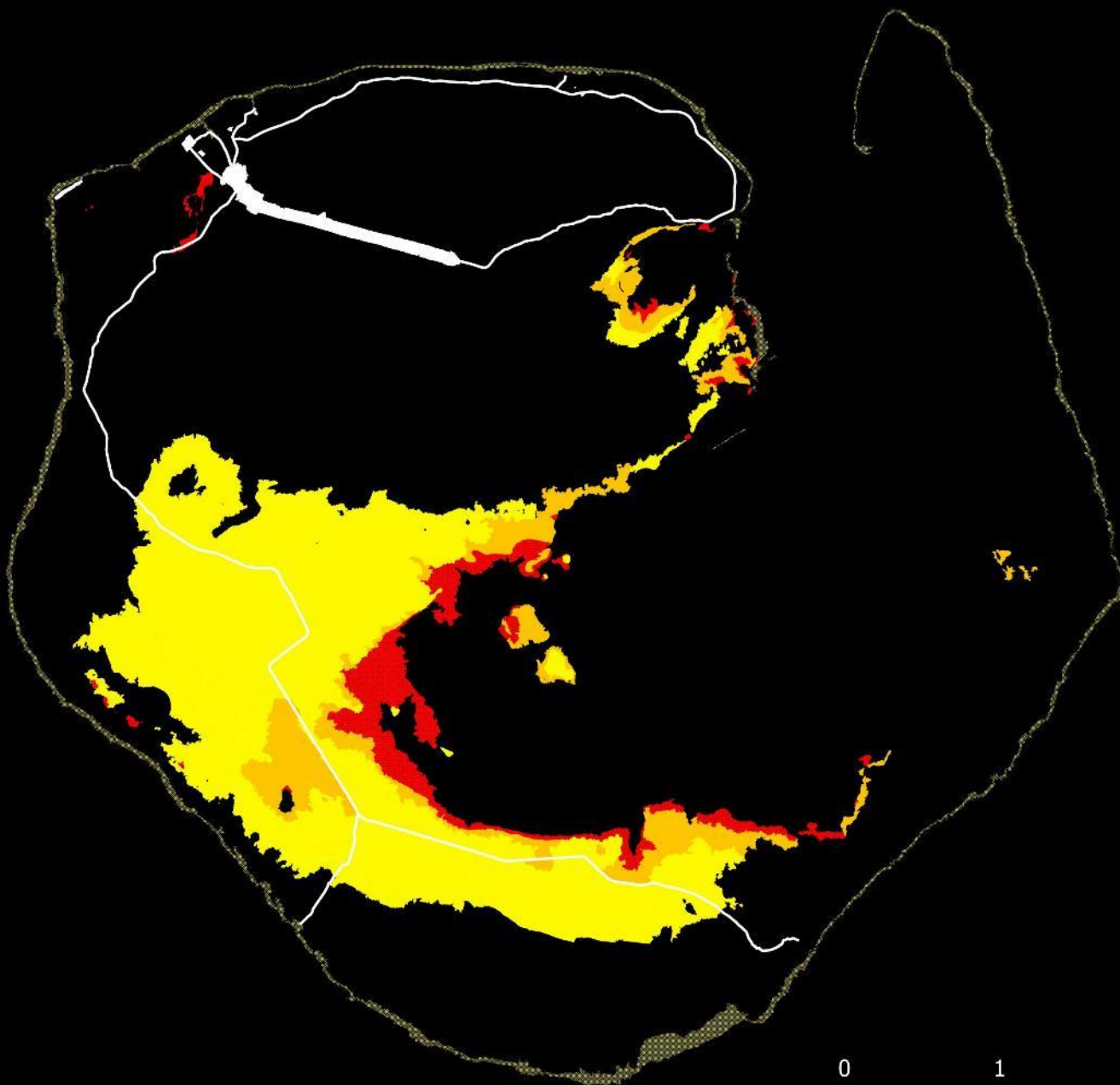
Juan de Nova

Les Glorieuses

Tromelin

EUROPA

Système de sansouïres et stteppes salées



0 1 2 3 4 km



# Carte des systèmes de végétation d'Europa

## EUROPA

- Mangrove (M)
- Mangrove pionnière (M)
- Tanne (M)
- Lagune interne (S0)
- Sansouire médiolittorale (S)
- Sansouire supralittorale (S)
- Steppe-Sansouire (S)
- Steppe (S)
- Système dunaire littoral (D)
- Système dunaire adlittoral (D)
- Système littoral/adlittoral sur galets (C)
- Système de graviers littoraux (G)
- Karst externe (K)
- Karst interne (K)
- Laisse de terre (K)
- Plateau récifal (P)
- Plage
- Plateau récifal anthropisé (PR)
- Système dunaire littoral/adlittoral anthropisé (D)
- Système littoral/adlittoral sur galets anthropisé (C)
- Sentier

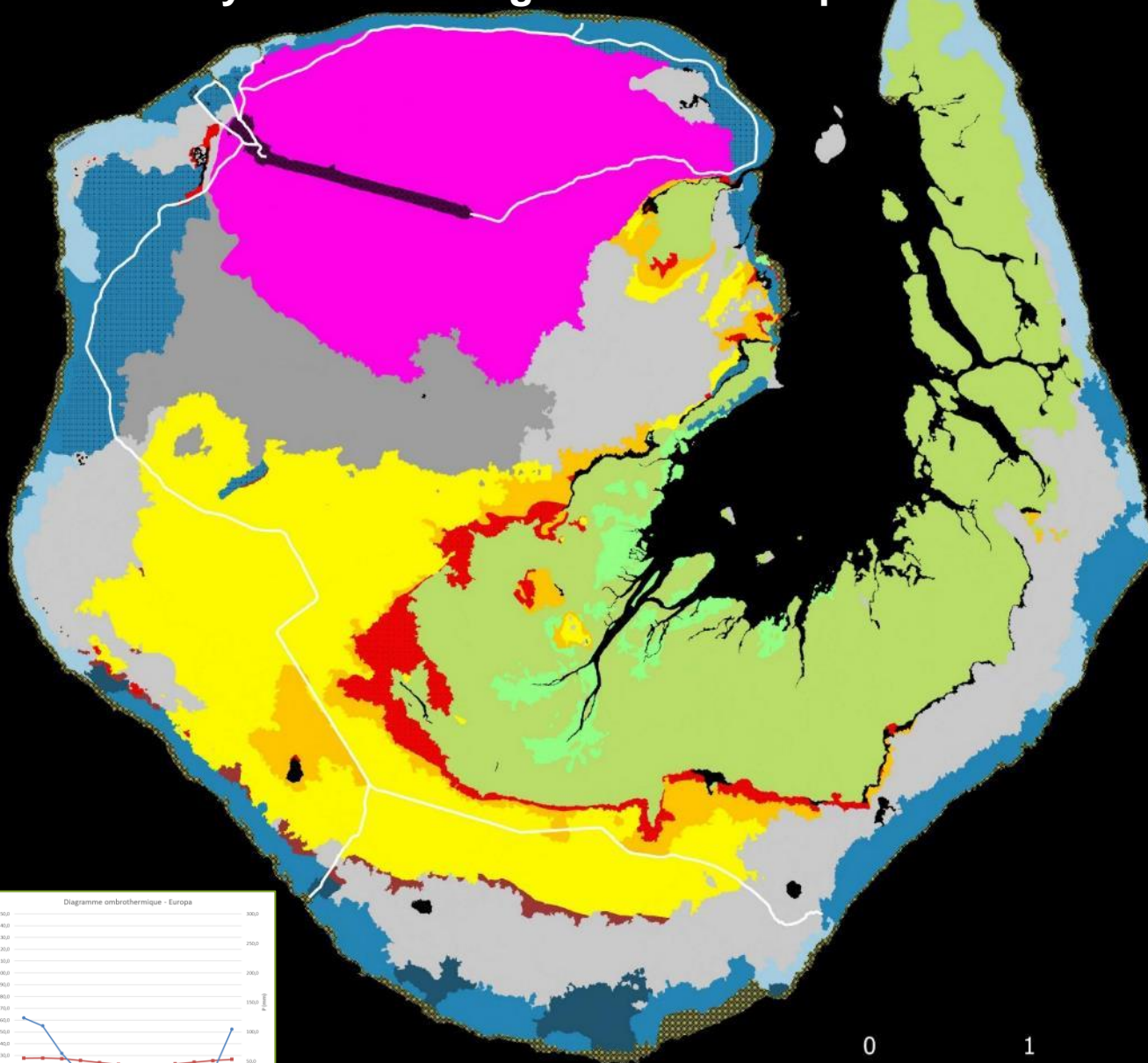
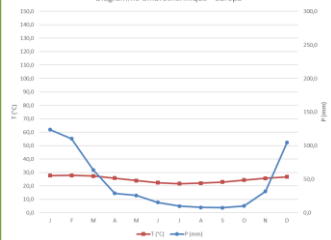


Diagramme ombrothermique - Europa



0 1 2 3 4 km

