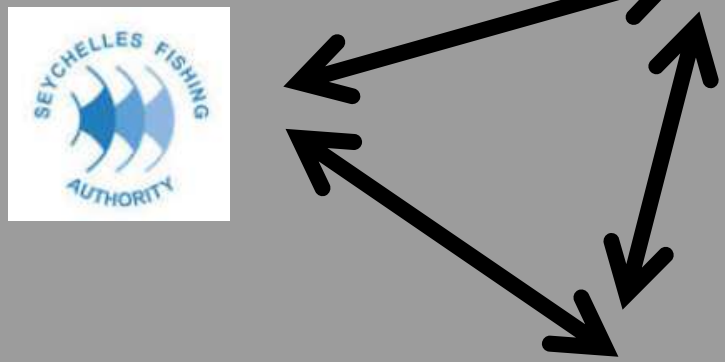
The SEACUSEY project

Objectives and components

Objectives of the project

Collaborative research: **who?**



Fishery sector
(AMSSI, SCHA)

Collaboration: **when ?**

before (shared goals, content & funding) – 2015-2017

the project implementation

After?...

→ To improve the **sustainability** of **socioeconomic benefits** from the sea cucumber fishery through **co-management**

Collaboration: why ?

Cost-efficiency

(data collection)

Outcomes

Fishery sector

Collaboration: **how ?**

Engagement

providing better ecological knowledge for management decisions

3 questions asked:

Pentard makes eggs at what size?

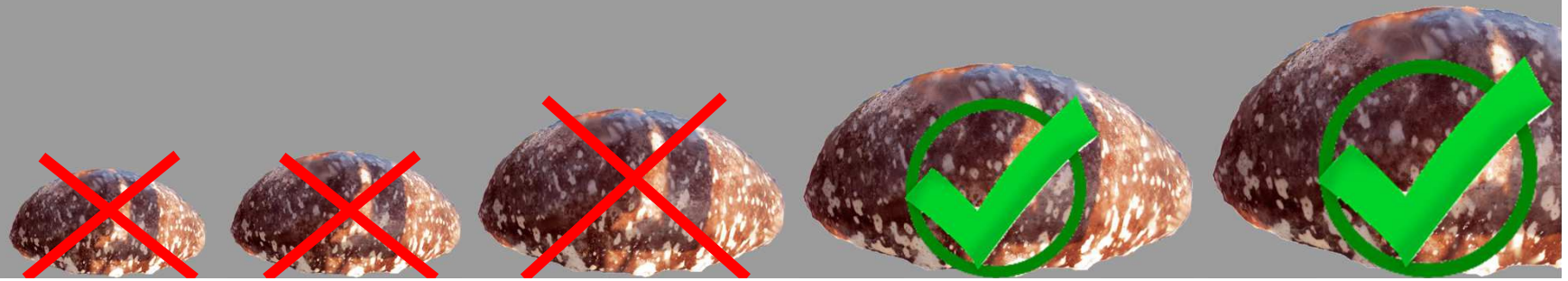
1 single stock per species?

Abundance of the stocks ?

Activity 1: biological study

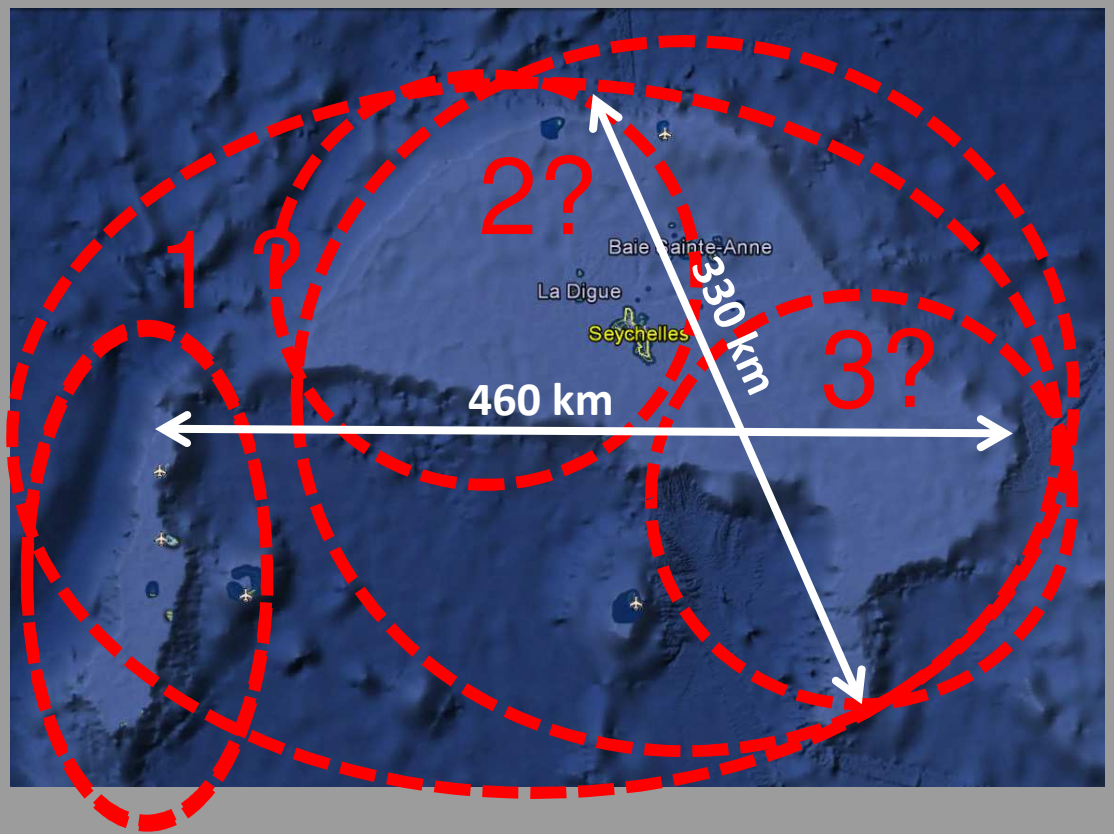
Pentard makes eggs at what size?

Black teafish ~26 cm (800 g)
White teatfish ~ 32 cm (1200 g)
Sanpye ~ 30 cm (1200 g)

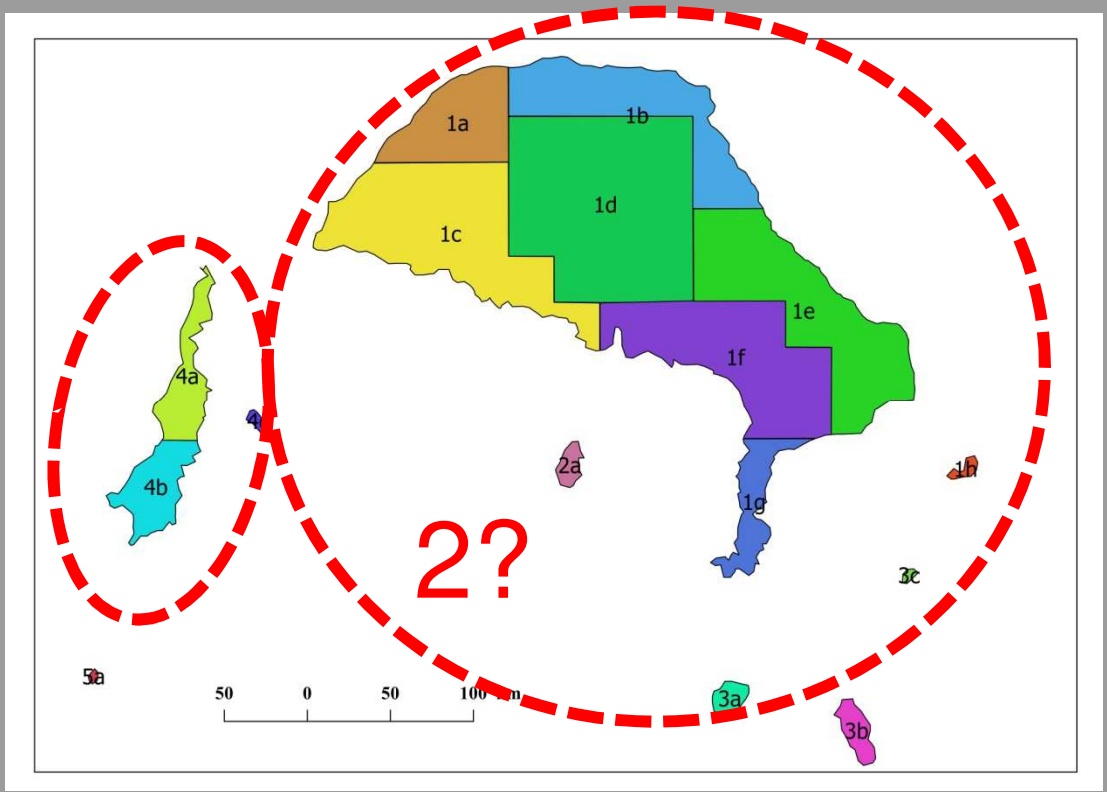


Activity 2: genetic study

One single stock per species?



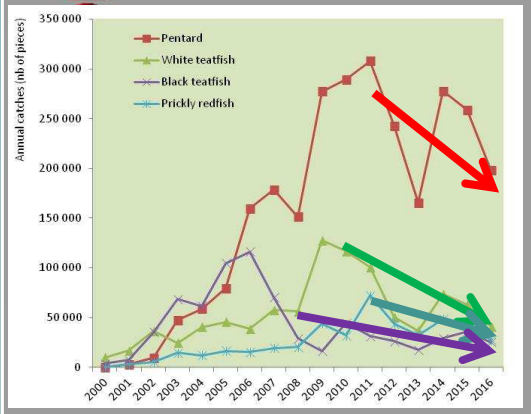
Activity 2: genetic study

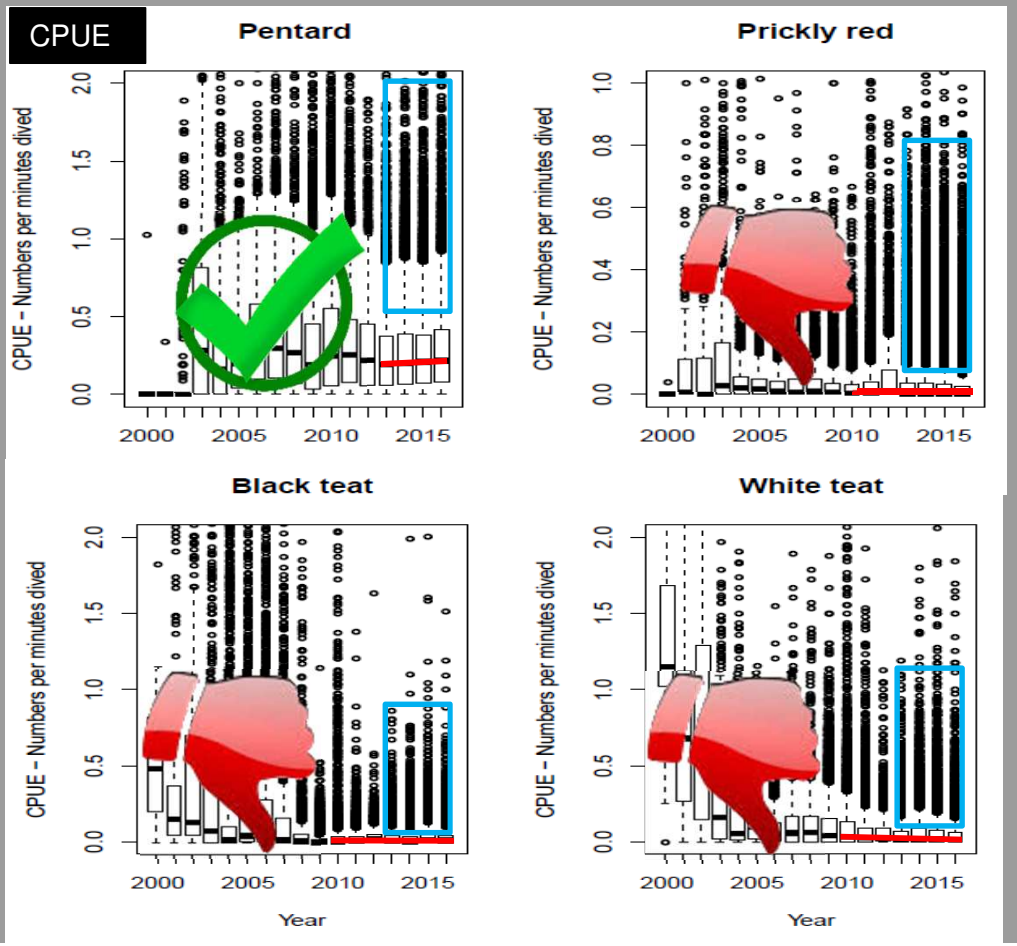


→ Management zones ?

Activity 3: fishing study

Abundance of the stock of each species?





Trend due to time at sea or resource depletion?

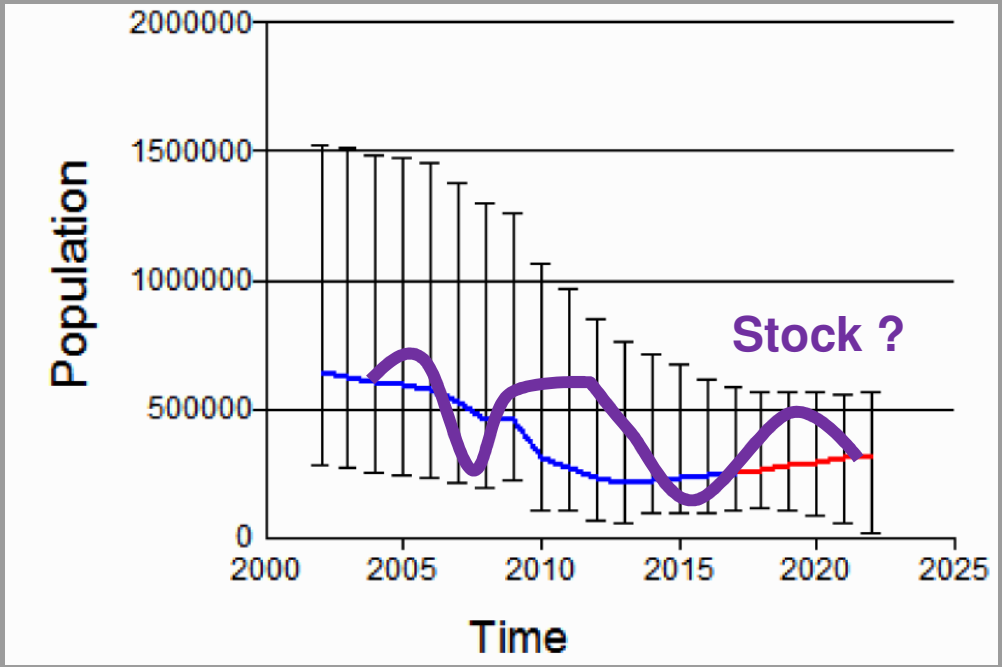
Biological interpretation ?

Stock ?

Activity 3: fishing study

Size of the stock of each species?

High uncertainty of dynamic model ouputs (MRAG 2017)

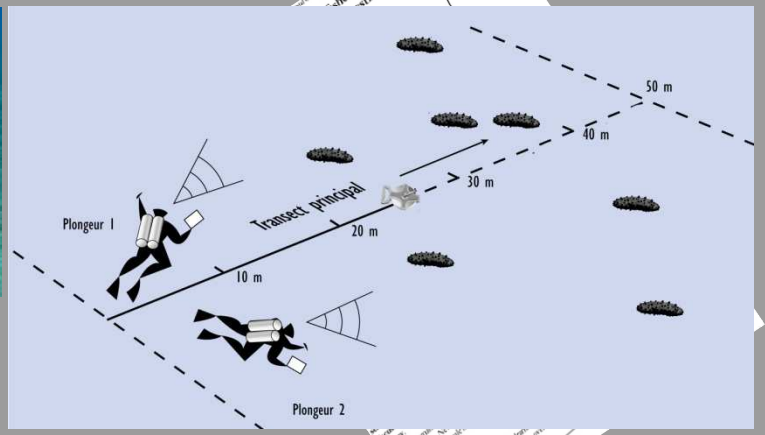


No local expertise at SFA

Activity 3: fishing study

Size of the stock of each species?

density → stock estimate



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A collaborative research project providing better ecological knowledge to inform co-management decisions

Activity 1: biological study

Activity 2: genetic study

Activity 3: fishing study

Open discussion (session 1)