

The SEACUSEY project



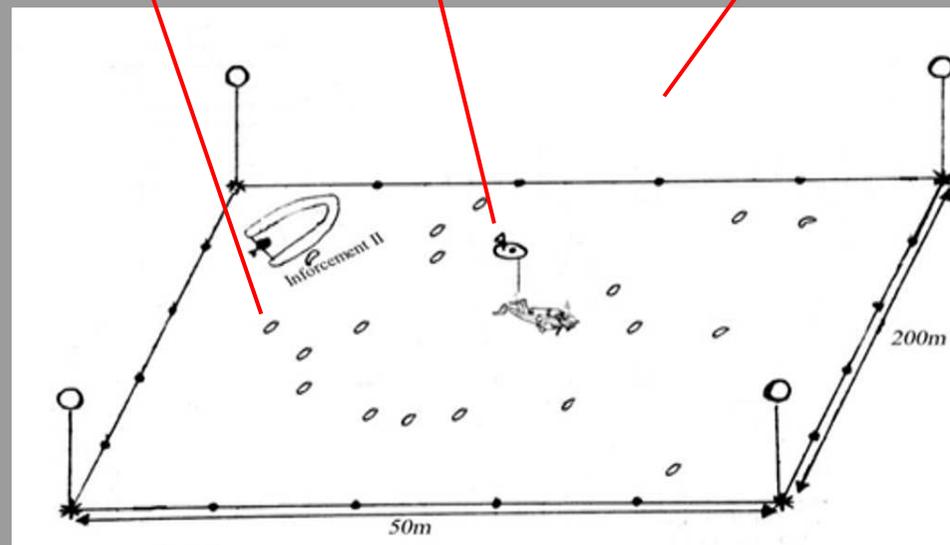
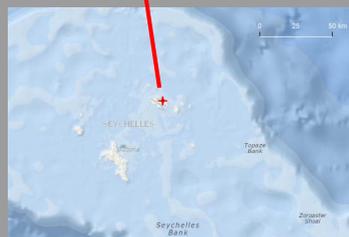
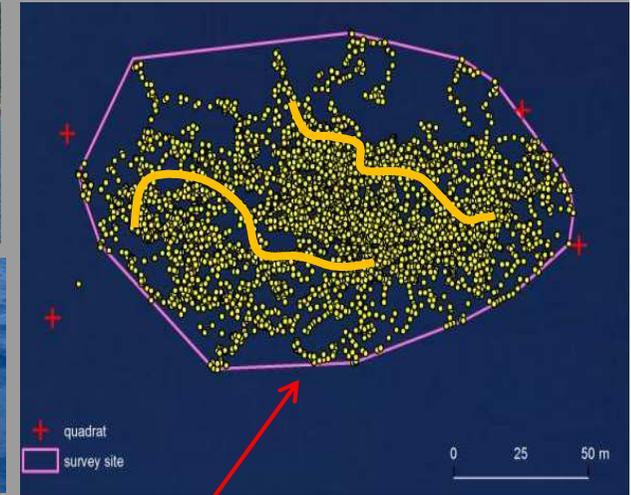
Activity 3: fishing study

Abundance of the stock of each species?

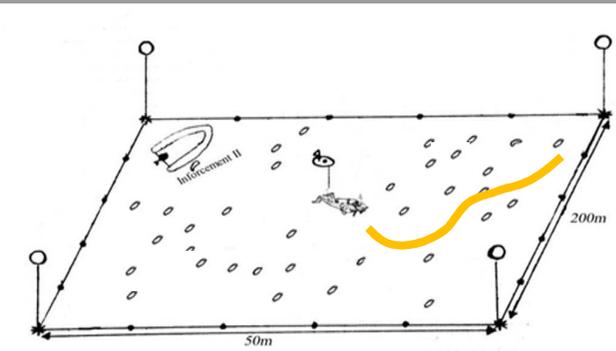
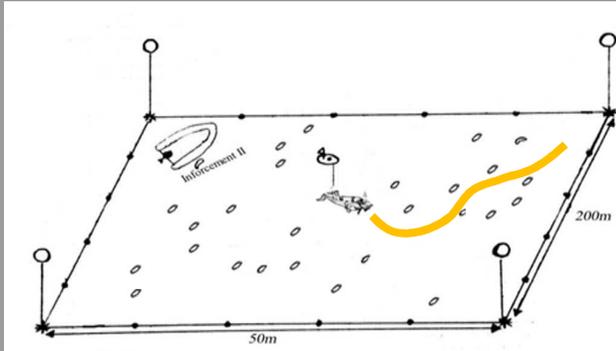
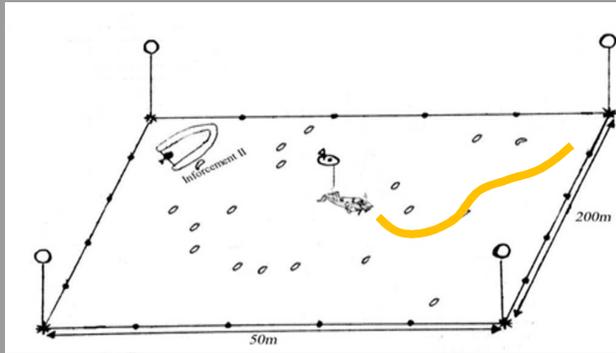
3 components:

- Experimental survey
- Dive profiles
- Data servers & Bdmer tool

Activity 3-1: Experimental survey



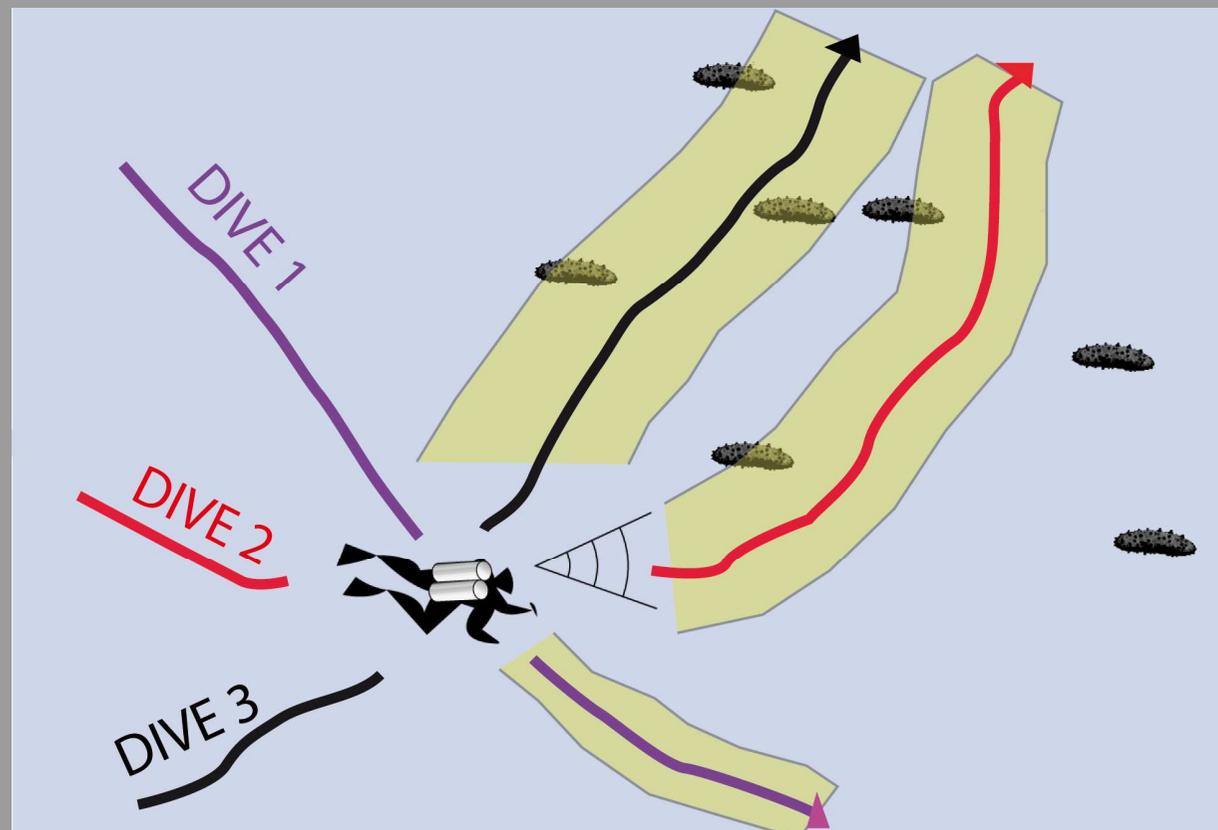
Activity 3-1: Experimental survey



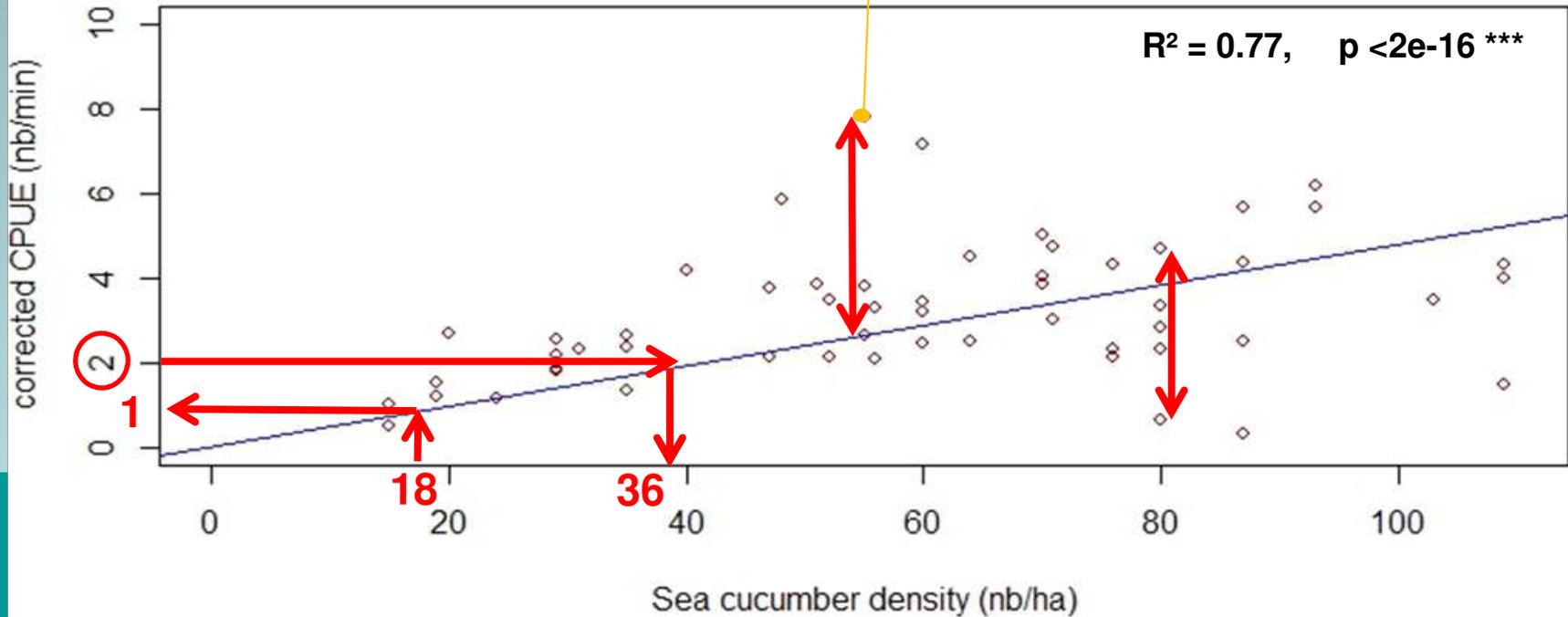
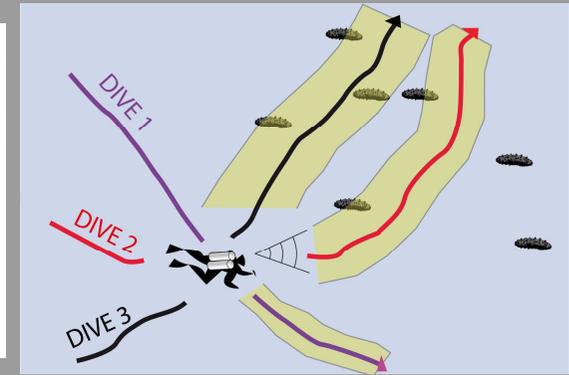
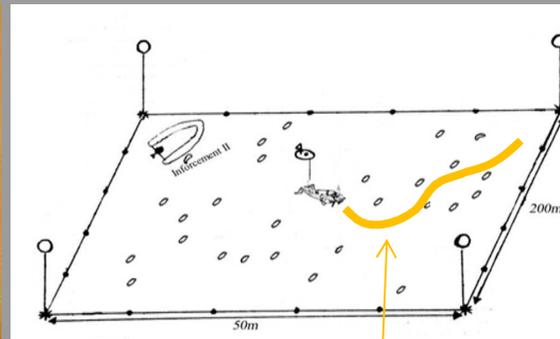
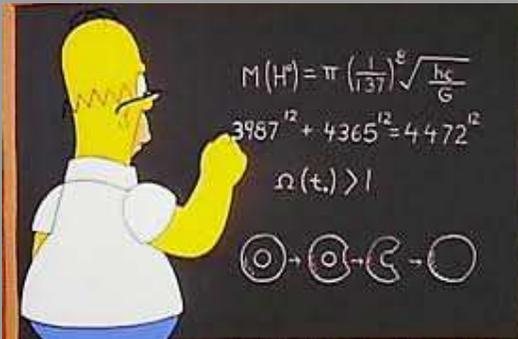
**Catch per dive (6 min)
at varying density
& visibility underwater**

Activity 3-1: Experimental survey

Catch varied by chance and according to visibility and density



Activity 3-1: Experimental survey



Activity 3-1: Experimental survey

Conclusions:

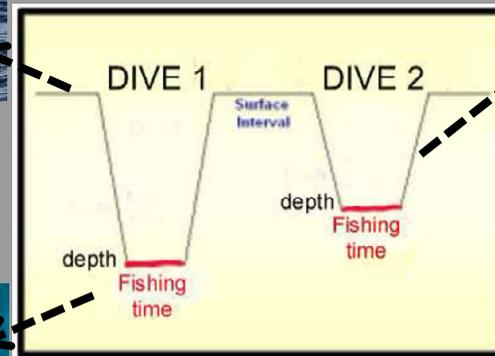
- Achievable (density estimate)!
- No difference across divers

But...

- Visibility matters
- Dive time is crucial

Activity 3-2: Dive profiles

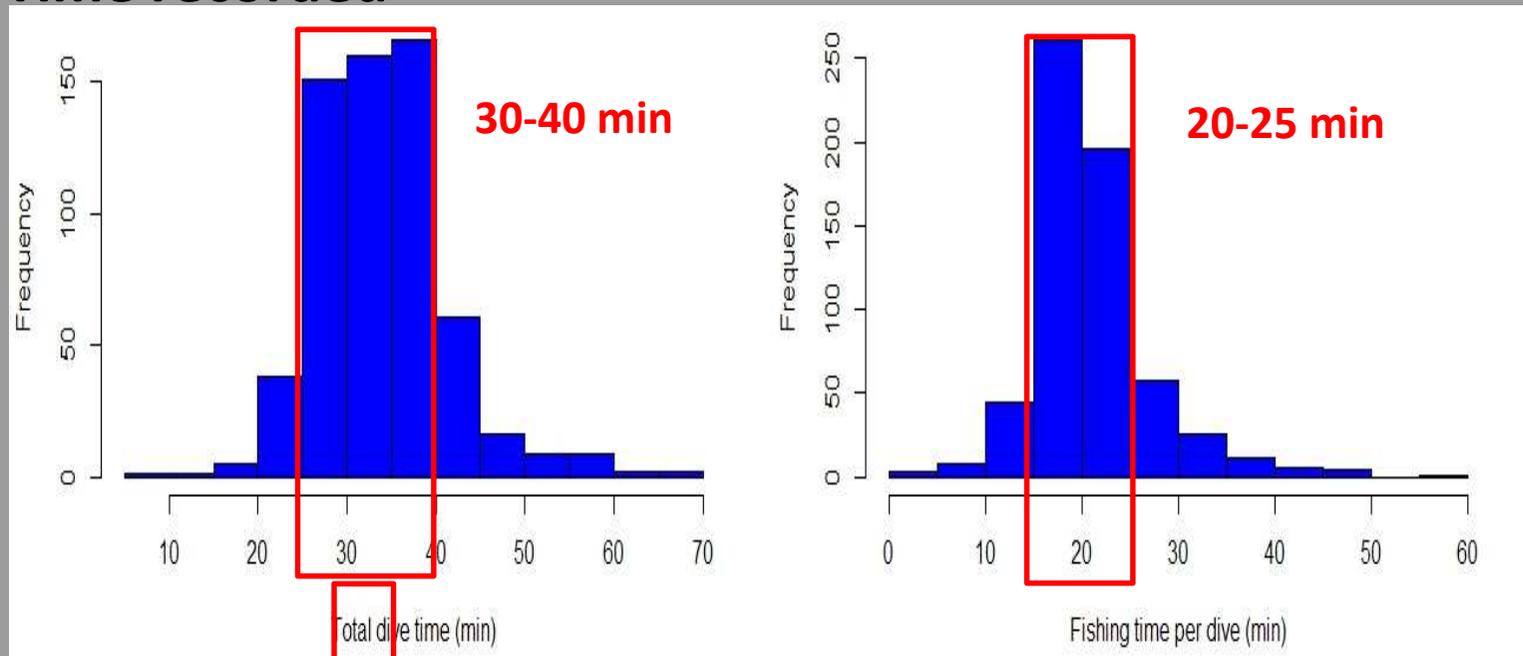
How to estimate catch per minute ?



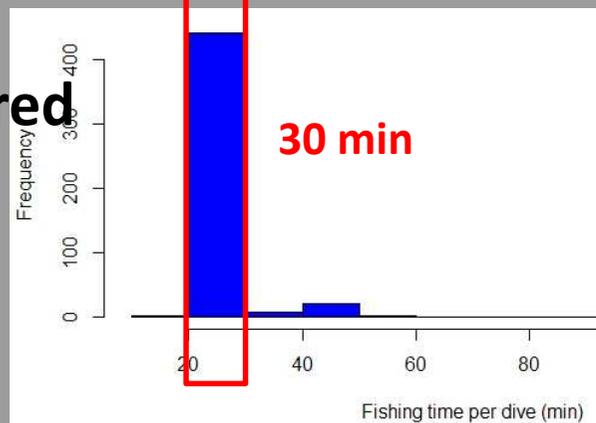
3 boats
6 divers
609 dives recorded

Activity 3-2: Dive profiles

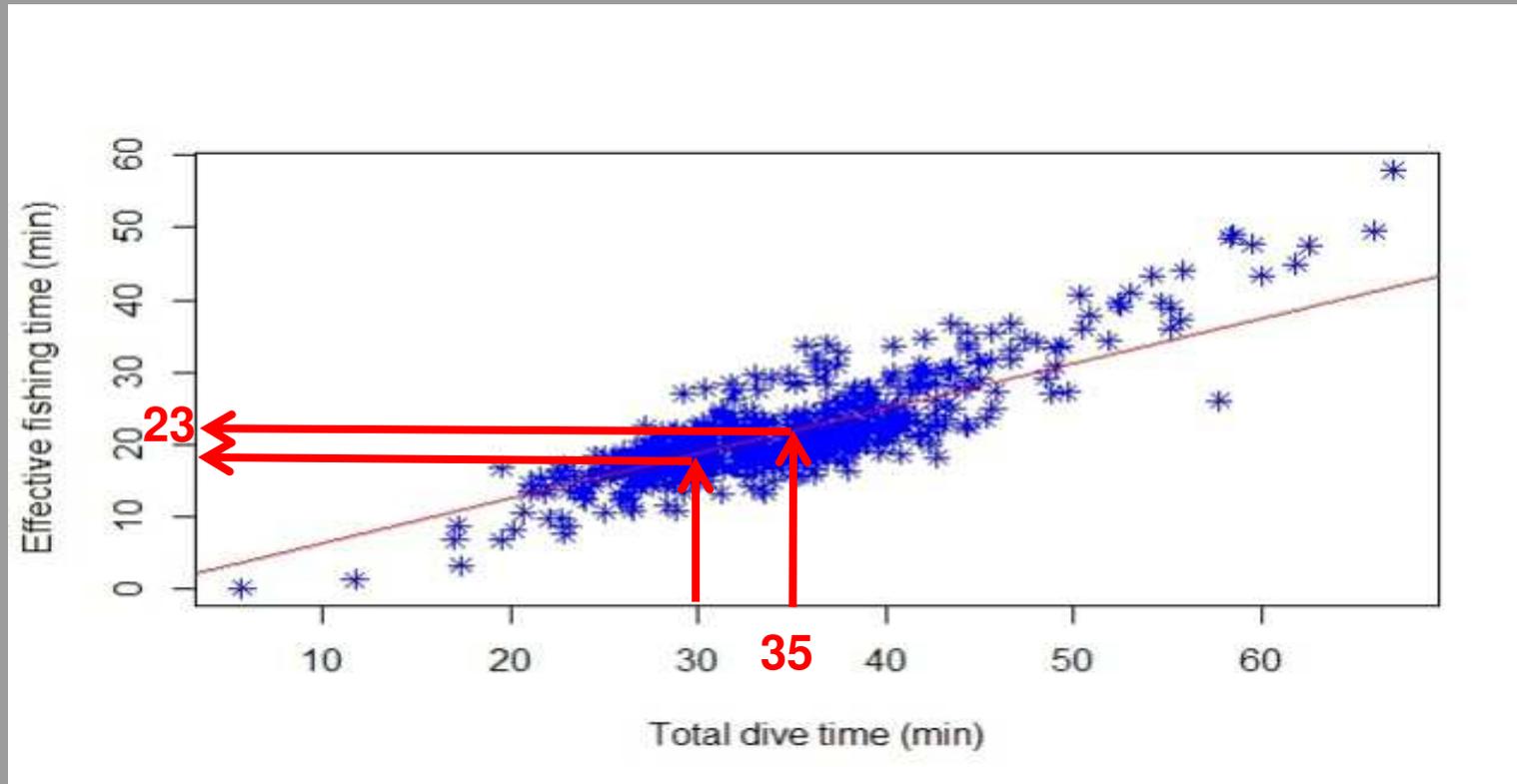
Time recorded



Time declared



Activity 3-2: Dive profiles



**Fishing time = 66 % of total dive time declared
= 62 % of total dive time recorded**

Activity 3-2: Dive profiles

Conclusions:

- Achievable (catch per minute)!
- Small difference across divers

But...

**Skippers should declare total
dive time at higher accuracy**