

# CoReMo3. A data entry system for coral reefs monitoring



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# Background



✓ Divers and numerous:

- Protocols
- Stakeholders
- Data storage

✓ Need for:

- Harmonisation
- Embedded information
- Decision making tools

➤ **Coral reef monitoring Data Entry System**

# Key features: Accessibility

- ✓ Website [www.coremo3.com](http://www.coremo3.com)



- ✓ Trainings



- ✓ User manual

➤ Easy access for everyone

Diving clubs  
Surfers  
Schools  
Hostels  
NGOs

Non scientists

Universities  
MPAs  
Research labs

Scientists

# Key features: Interoperability



➤ **Numerous partnerships**

# Key features: Spatial organization

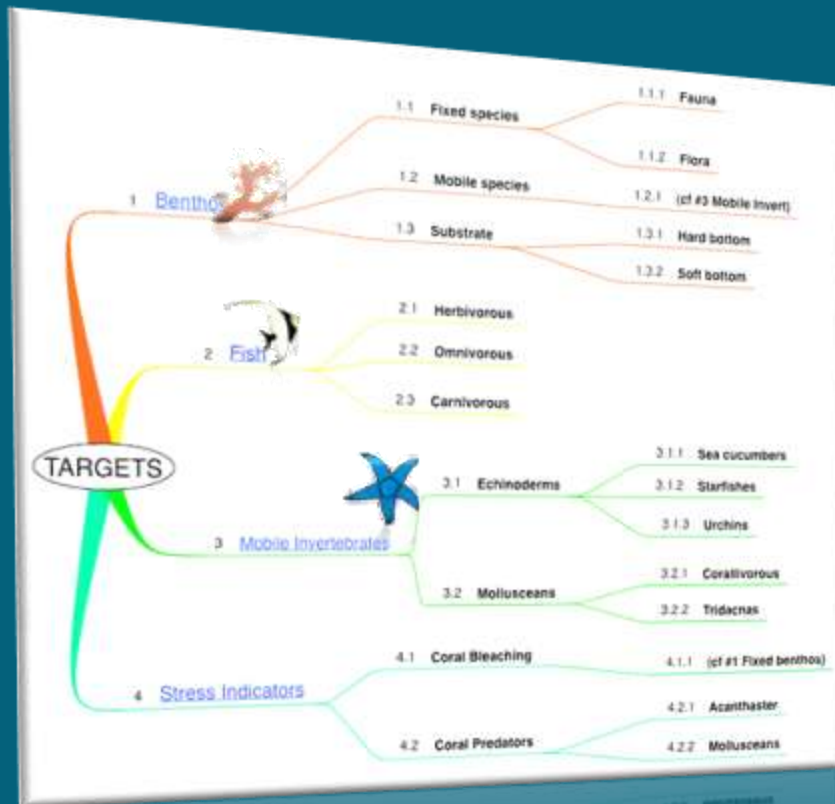


- ✓ 17 GCRMN nodes
  - Node 3 is COI Réseau Récifs

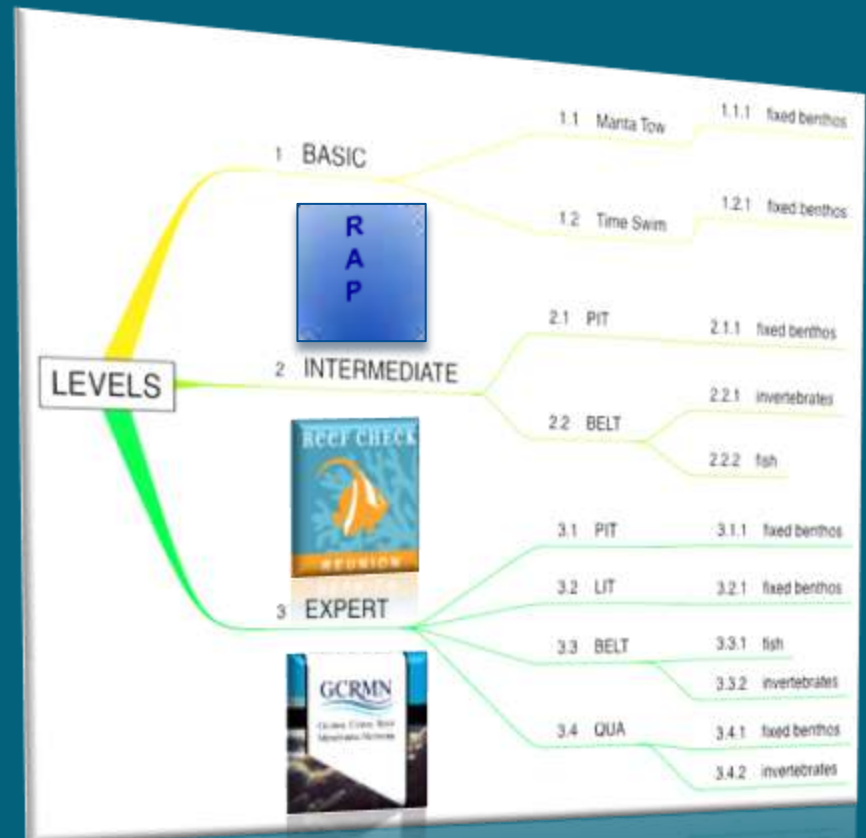


- ✓ Data structuration
  - Site
  - Station
  - Observation
  - Country
  - Region
  - Sector

# Key features: Targets



- ✓ 3 biological targets
  - Benthos
  - Fish
  - Mobile invertebrates



- ✓ 3 levels of expertise

# Key features: Protocols harmonization

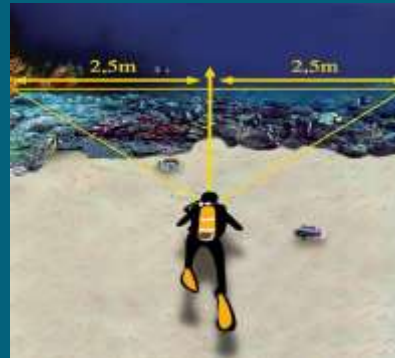
Points



Lines



Surfaces



➤ **80% of coral reef monitoring protocols are in the system**

# Key features: Imports and exports

data



The screenshot shows the 'Importateur de ReefCheck pour Coremo3.6.4' window. It has a sidebar with 'Chape 1: Sélection de la Base Source' and 'Chape 2: Sélection des Paramètres'. The main area contains fields for 'Importation de données' and 'Importation de paramètres'.



PDF

data



Excel

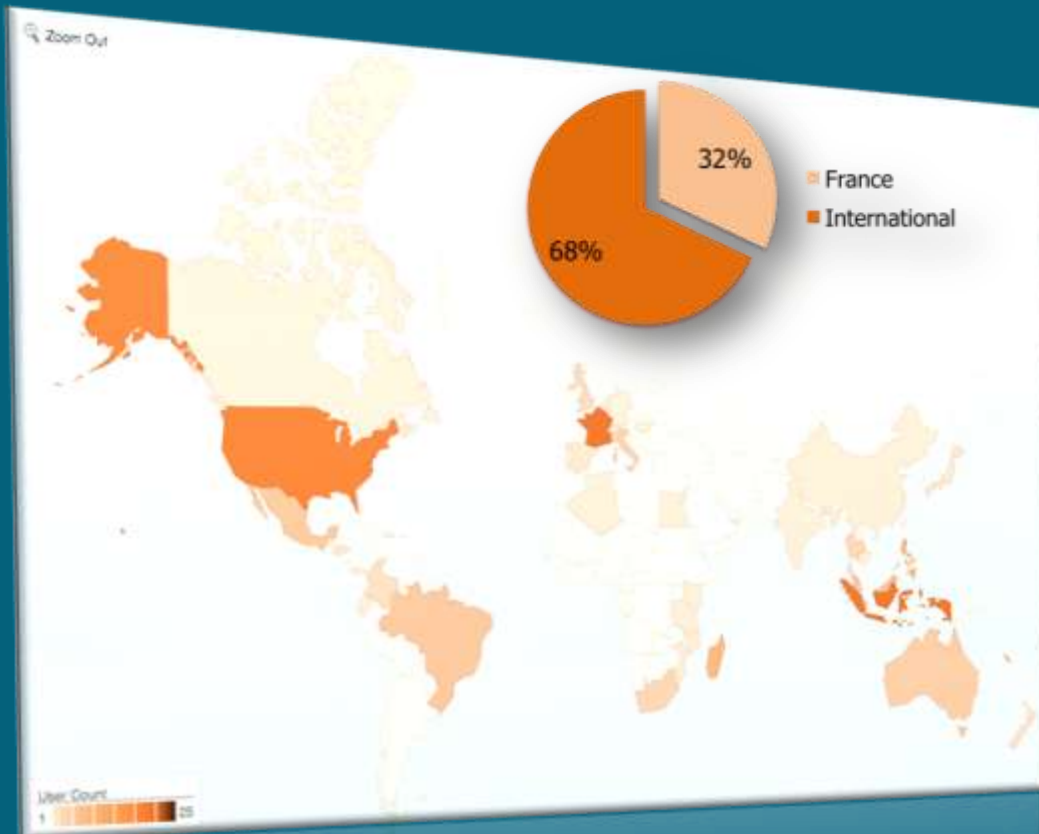
✓ Reefcheck plug-in

✓ Analyses and data controls

- Per observation
- Station evolution

➤ A simple , efficient and interoperable tool

# CoReMo 3.6.5: Users



|                |                     |    |    |
|----------------|---------------------|----|----|
| Atlantic Ocean | Guadeloupe          | 7  | 11 |
|                | Martinique          | 4  |    |
| Indian Ocean   | Mayotte             | 3  | 22 |
|                | Réunion             | 19 |    |
| Pacific Ocean  | Nouvelle- Calédonie | 21 | 27 |
|                | Polynésie           | 5  |    |
|                | Wallis et Futuna    | 1  |    |

✓ 266 registered users worldwide

✓ 22,5 % overseas users

➤ **Internationally used but ...**

# CoReMo 3.6.5: Indian ocean node example

**148 243** Observations  
> 10 years datasets



|              | Maurice | Mayotte | Réunion |
|--------------|---------|---------|---------|
| Stations     | 48      | 19      | 31      |
| Observations | 50394   | 38707   | 59142   |

Non scientists



9 sites  
17 stations

Scientists  Réserve Naturelle  
MARINE DE LA REUNION



7 sites  
14 stations

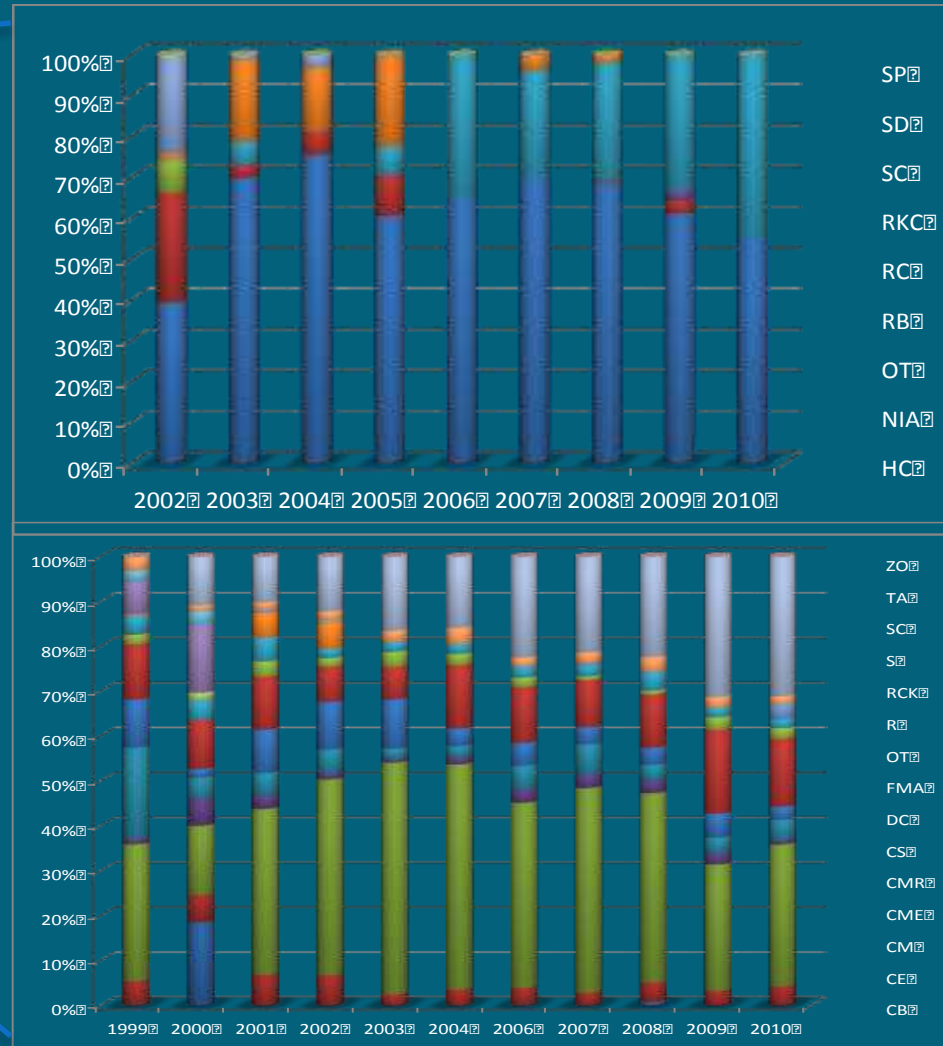
- ✓ New protocols?
- ✓ Old datas
- ✓ Other nodes?



# CoReMo 3.6.5: Indian ocean node

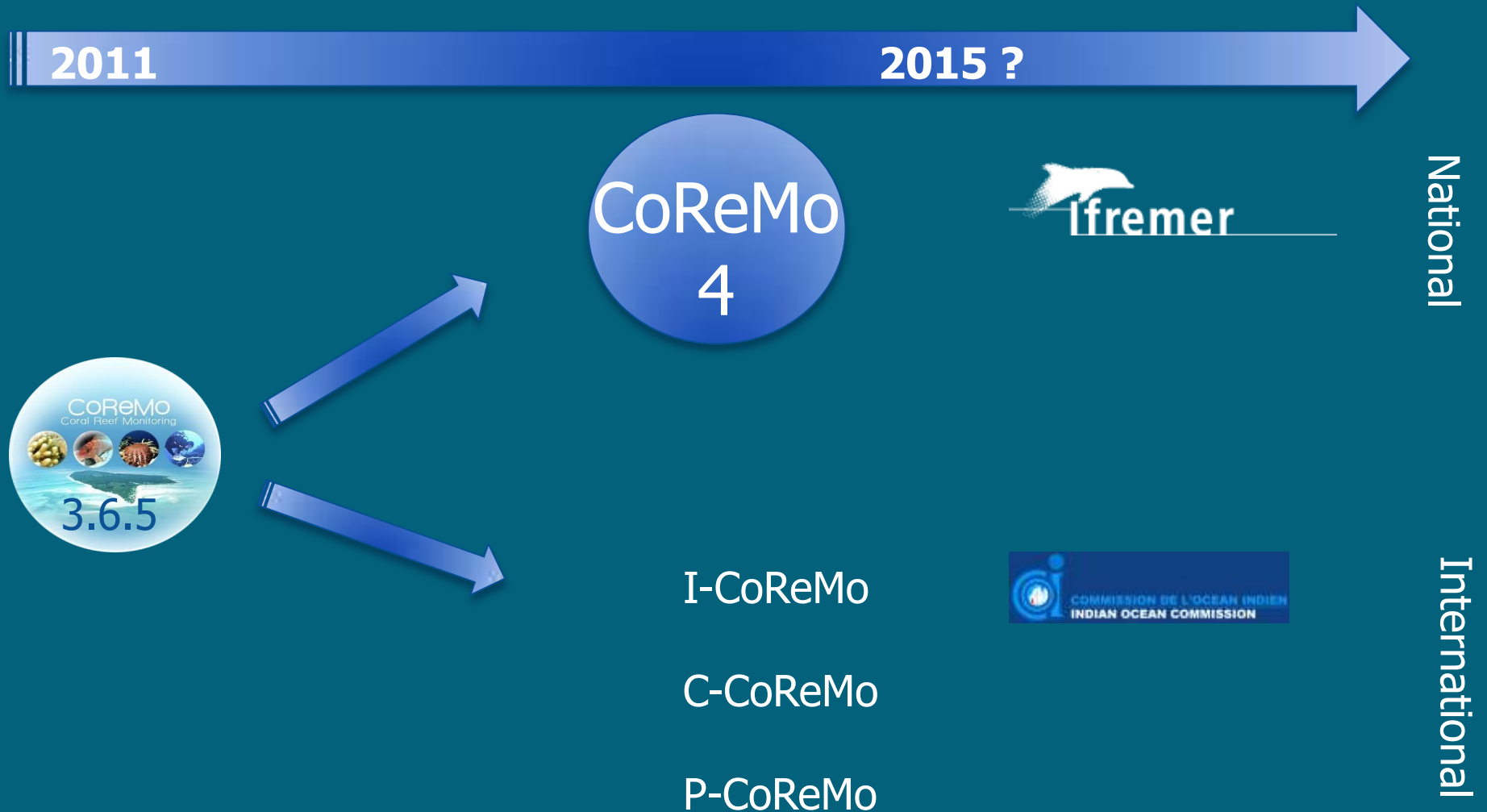


Saint- Leu



Evolution de la couverture benthique

# Perspectives



# CoReMo



Thanks for your attention !