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Open Source Technologies

Scratchpads
biodiversity online

Scratchpads are an online virtual research environment for biodiversity, allowing anyone to share their data and create their own research networks

Sites can focus on specific taxonomic groups, Scratchpads are also suitable for societies or for managing and presenting projects.

Key features of Scratchpads include: tools to manage biological classifications, bibliography management, media (images, video and audio), rich taxon pages (with structured descriptions, specimen records, and distribution data)

Drupal

Drupal, Apache, MySQL

CS Projects

- COMBER
- CIGESMED
- AmvrakikosBirds

members of

LIFE WATCH GREECE

CIGESMED

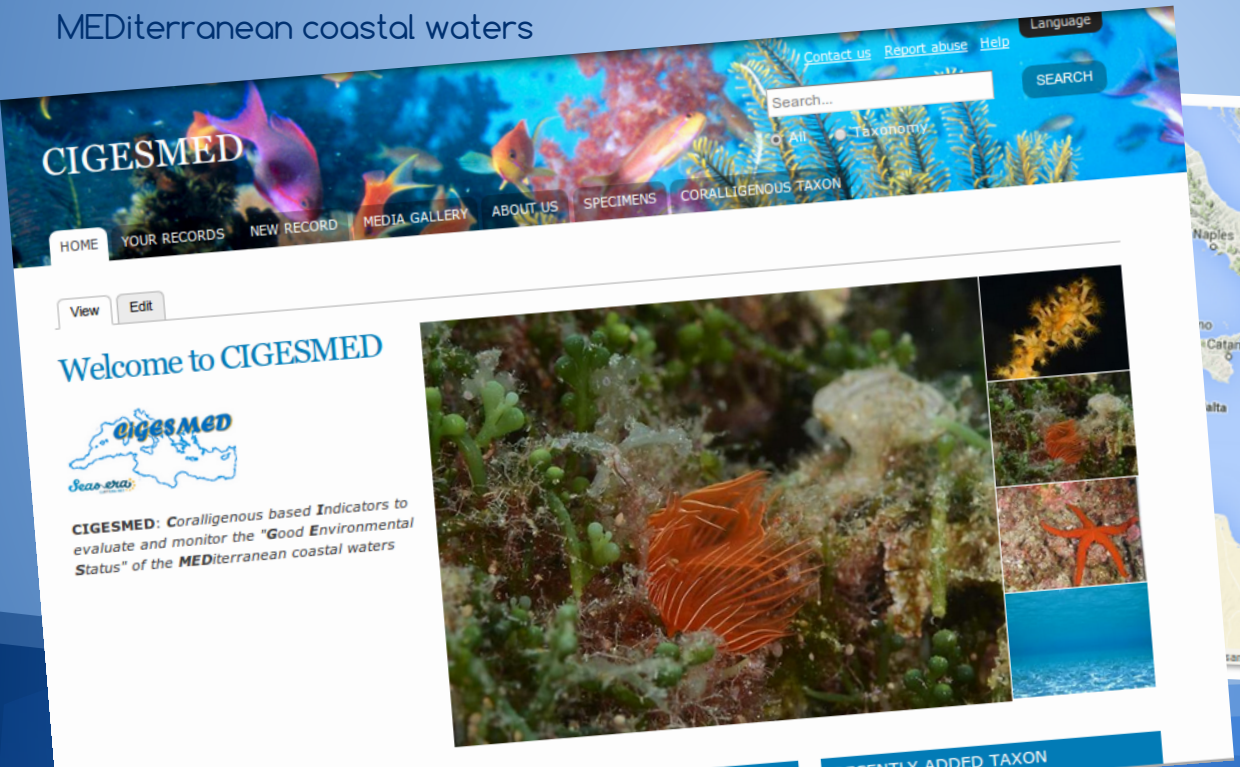
COMBER

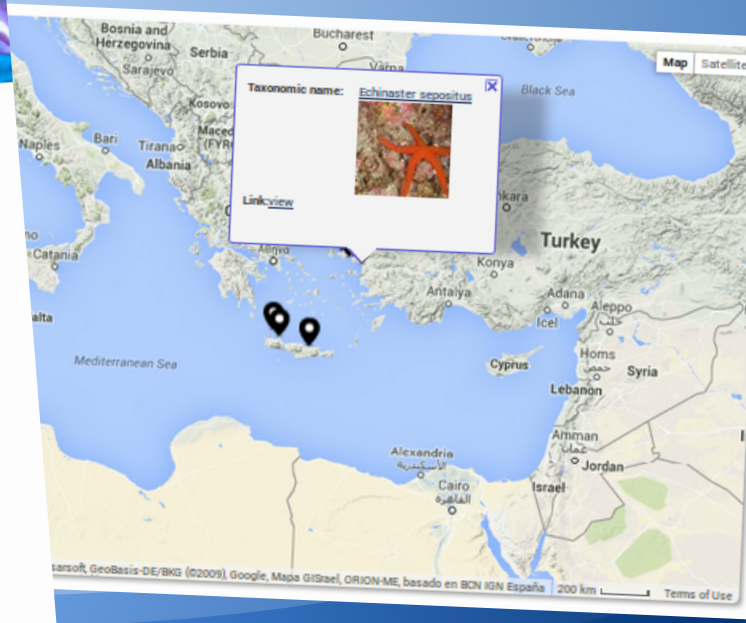
Citizens' Network for the Observation of Marine BiodivERsity

Amvrakikos Birds

CIGESMED

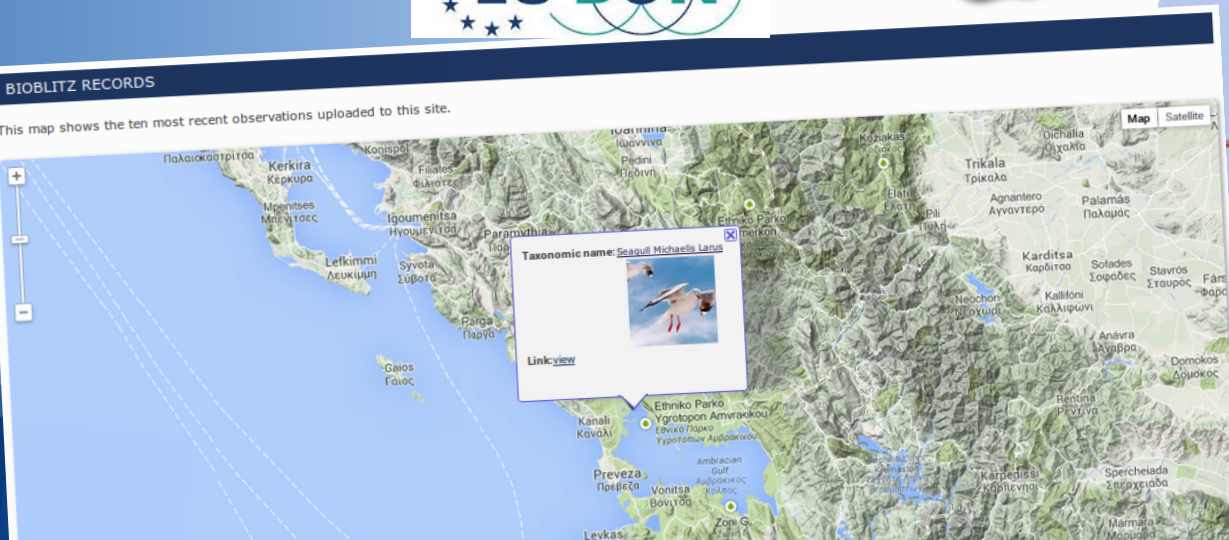
CIGESMED: Coralligenous based Indicators to evaluate and monitor the "Good Environmental Status" of the MEDiterranean coastal waters





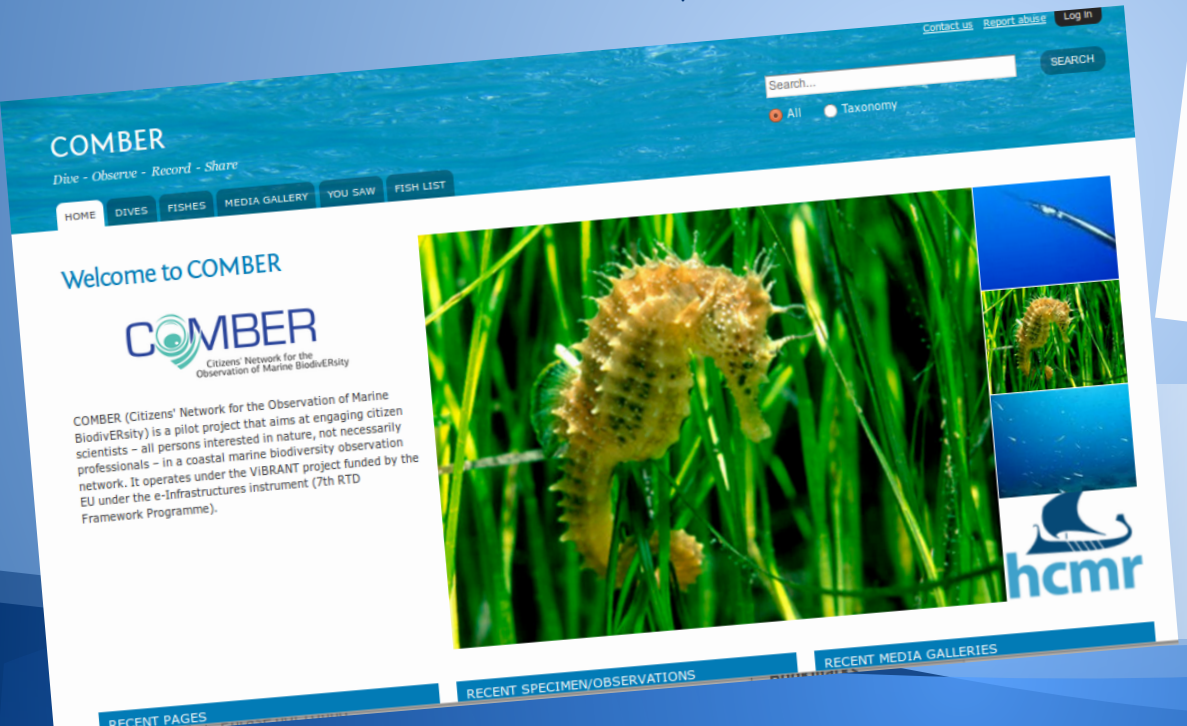
AmvrakikosBirds

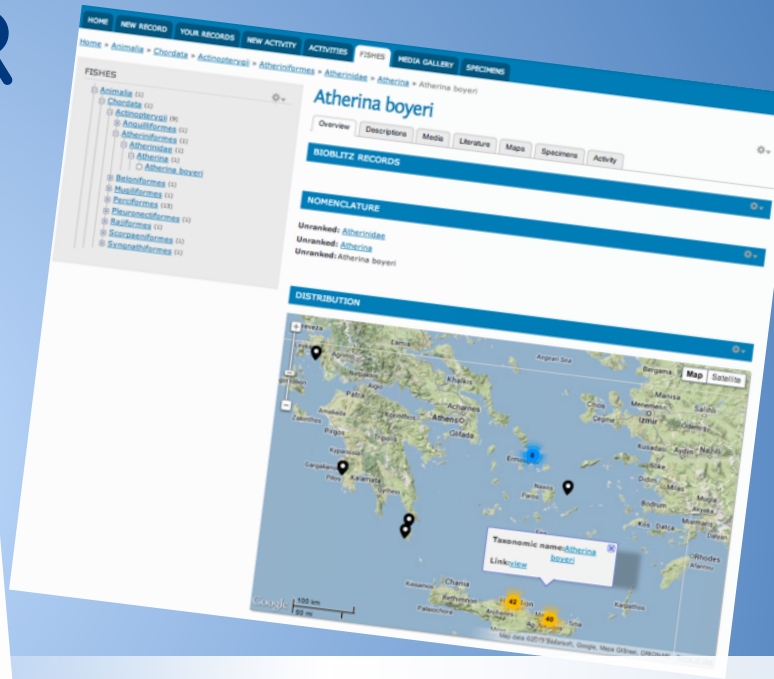
AmvrakikosBirds is a new project, targeted to all potential bird watchers operating in the wetlands of the Amvrakikos Gulf



COMBER

COMBER (Citizens' Network for the Observation of Marine BiodivERsity) is a pilot project that aims at engaging citizen scientists in a coastal marine biodiversity observation network.





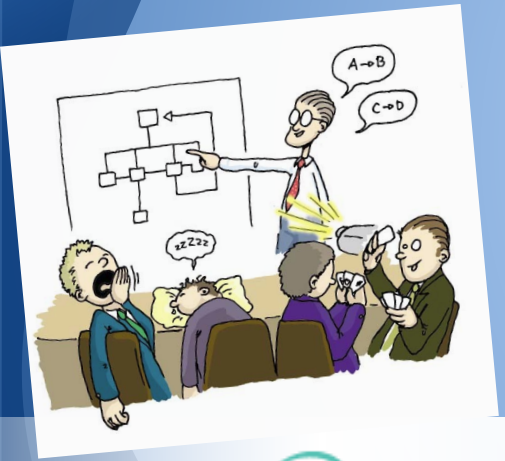
COMBER

Citizens' Network for the Observation of Marine BiodivERsity

ViBRANT
Virtual Biodiversity

Case Scenario: COMBER

At the very beginning of the project we worked with local **diving** and **sailing** clubs.



They offered **short seminars** for divers and snorkelers

So they could get an **overview** of the **local fish** fauna and **how to identify** the species, underwater

COMBER

Citizens' Network for the Observation of Marine BiodivERsity

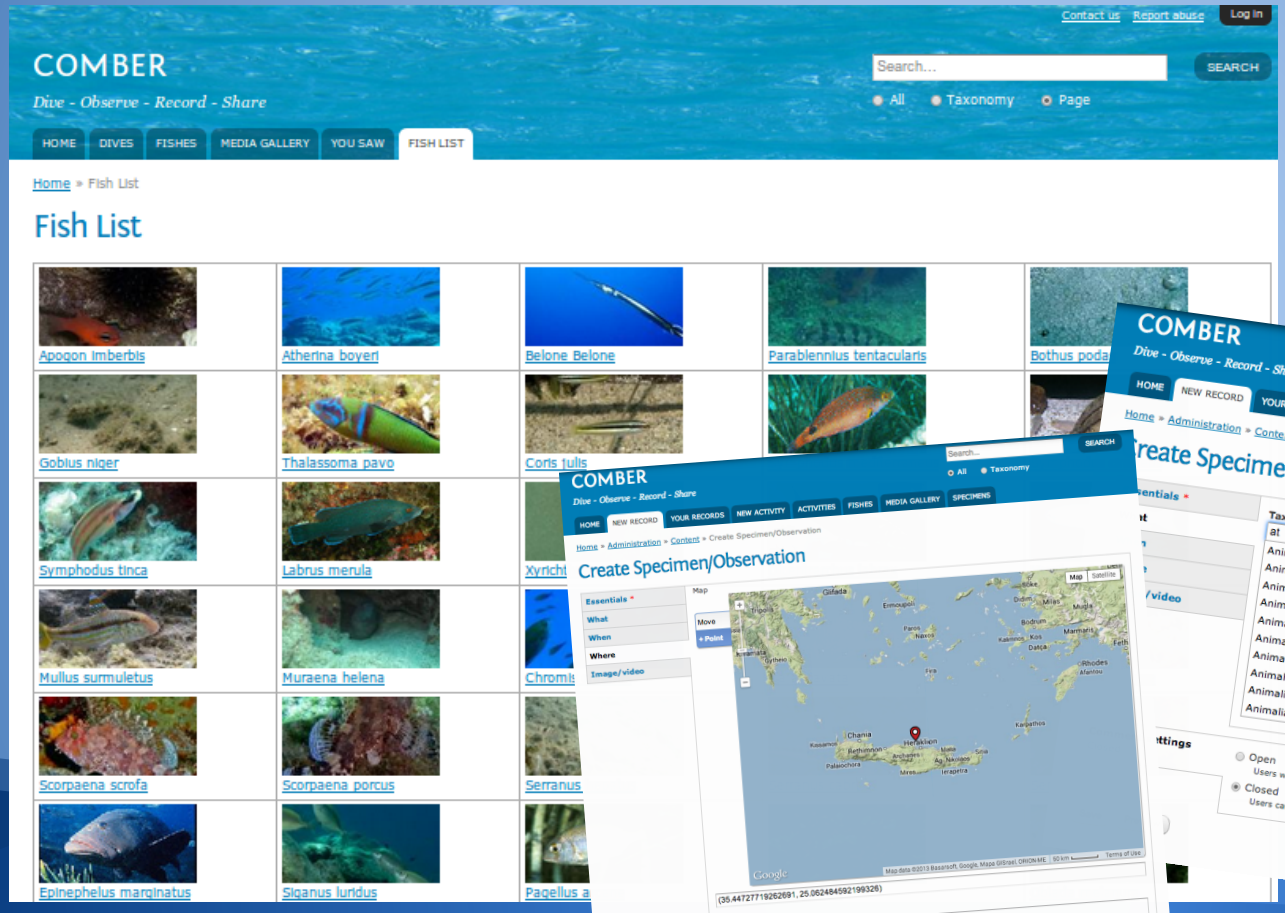
The BIOwatch™ identification card

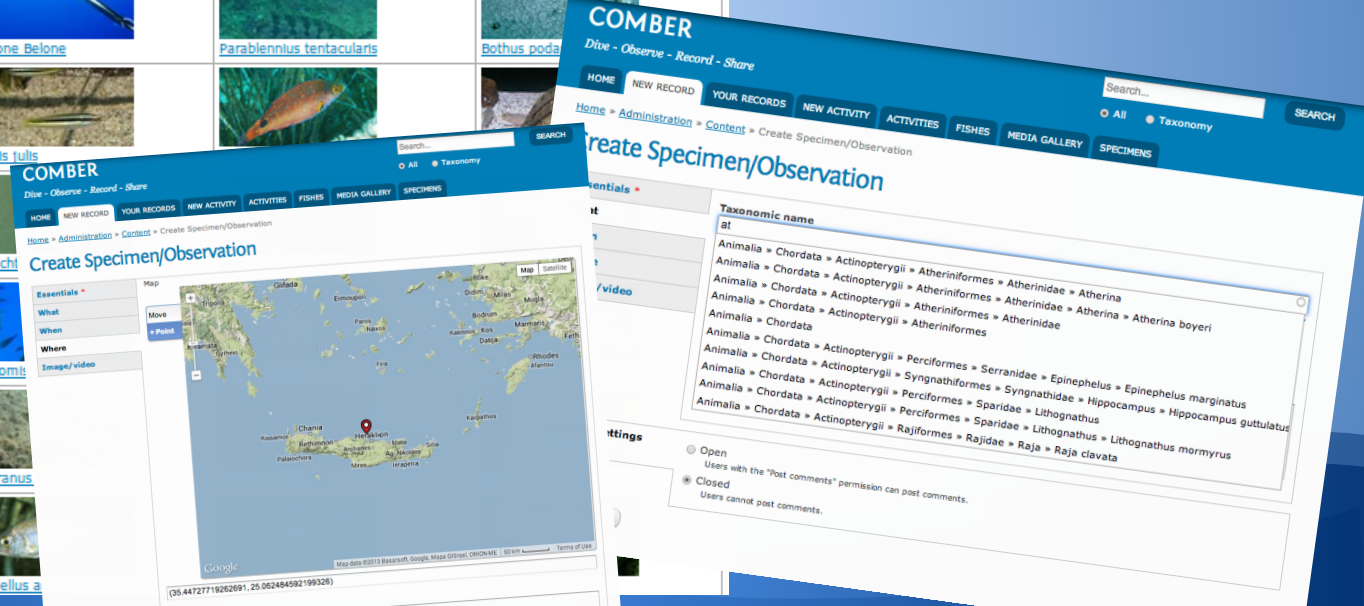
Using the BIOwatch™ identification card to identify the species

Divers / Snorkelers community

Now the project is addressed to the local diving community, that employ the individual experiences while they dive/snorkel

Submit Observations via website





After the dive, we encourage divers to enter their observation into the COMBER database.

See Observations online

So they could see the results of their submissions

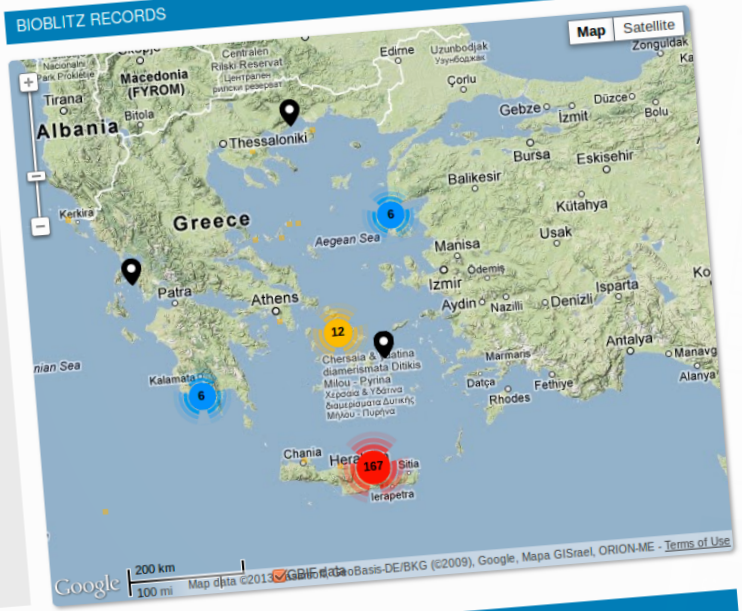
FISHES

- Animalia (1)
  - Chordata (1)
    - Actinopterygii (9)
      - Anguilliformes (1)
      - Atheriniformes (1)
      - Beloniformes (1)
      - Mugiliformes (1)
      - Perciformes (13)
        - Apogonidae (1)
        - Blenniidae (1)
        - Gobiidae (1)
        - Labridae (5)
          - Coris (1)
            - Coris julis
          - Labrus (1)
          - Symphodus (3)
          - Thalassoma (1)
          - Xyrichthys (1)
        - Moronidae (1)
        - Mullidae (1)
        - Pomacentridae (1)
        - Scaridae (1)
        - Serranidae (2)
        - Siganidae (1)
        - Sparidae (7)
        - Sphyraenidae (1)
        - Trachinidae (1)
      - Pleuronectiformes (1)
      - Rajiformes (1)
      - Scorpaeniformes (1)
      - Syngnathiformes (1)

Coris julis

Overview | Descriptions | Media | Literature | Maps | Specimens | Activity

BIOBLITZ RECORDS



NOMENCLATURE

Unranked: Labridae

HOME | DIVES | NEW OBSERVATION | FISHES | MEDIA GALLERY | YOU SAW | SPECIMENS | FISH LIST

Home » COMBER - emmi - 1393254838

COMBER - emmi - 1393254838

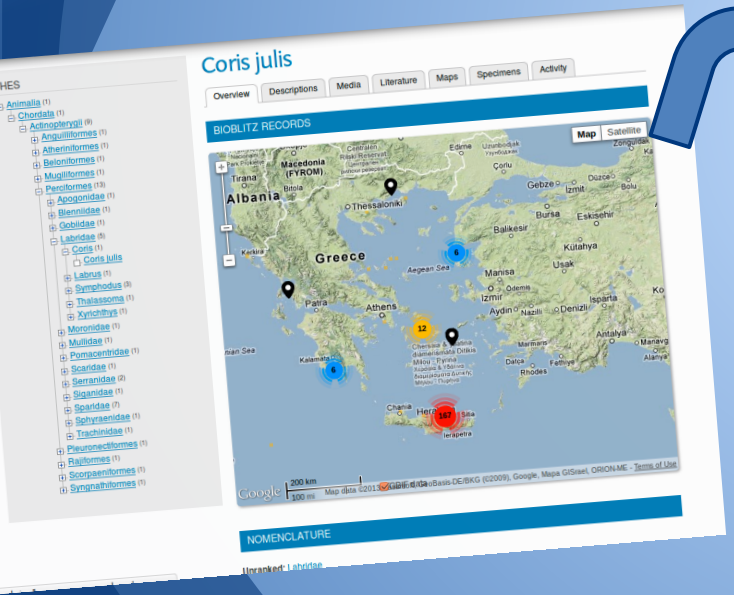
View | Edit | Track | Devel

one content

Basis of record:	Living Specimen
Institution code:	COMBER
Collection code:	emmi
Catalogue number:	1393254838
Taxonomic name:	Hippocampus guttulatus (Fishes)
Media:	

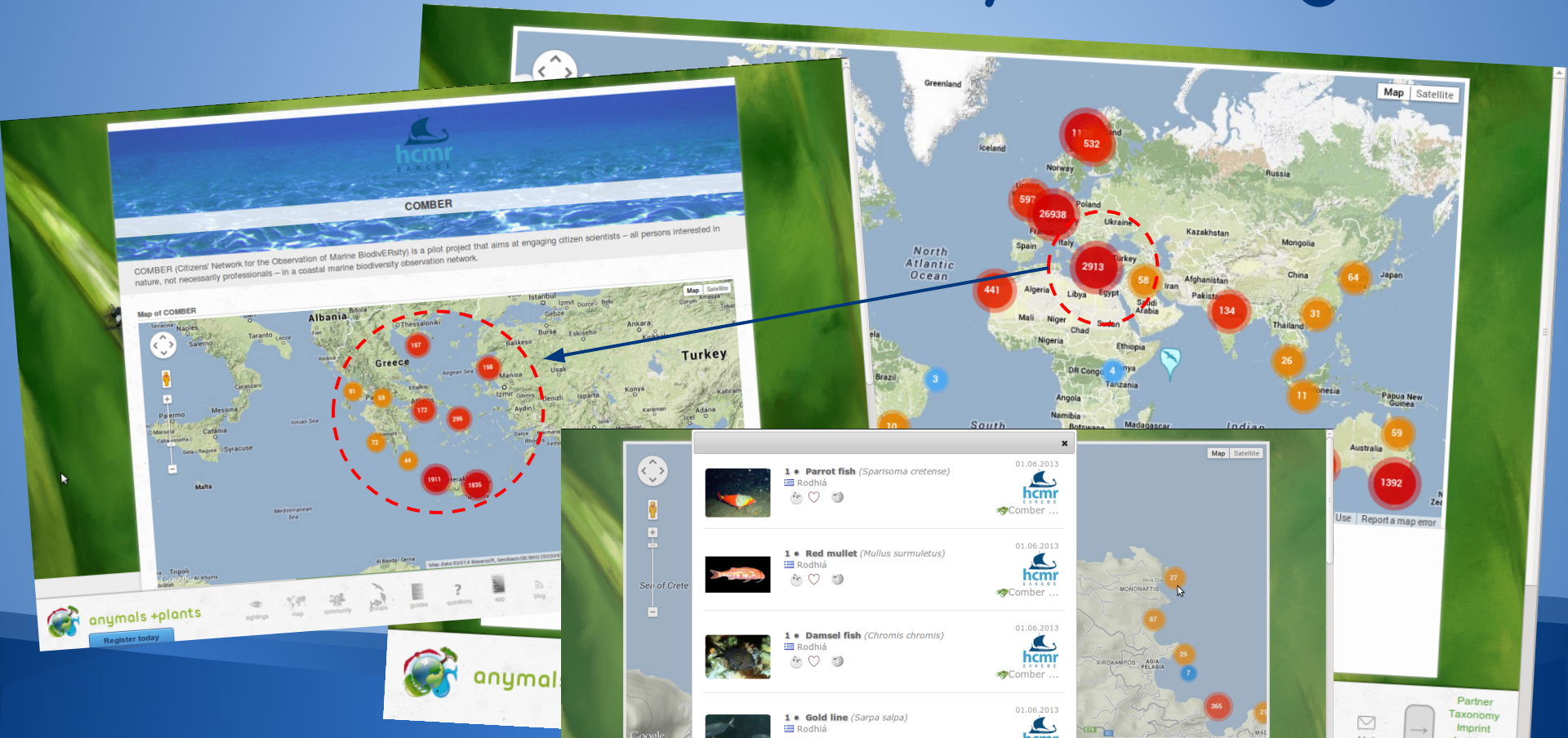
COMBER data to Anymals.org

Using ABCD standards we uploaded the data from COMBER database to Anymals.org database (Anymals+plants)



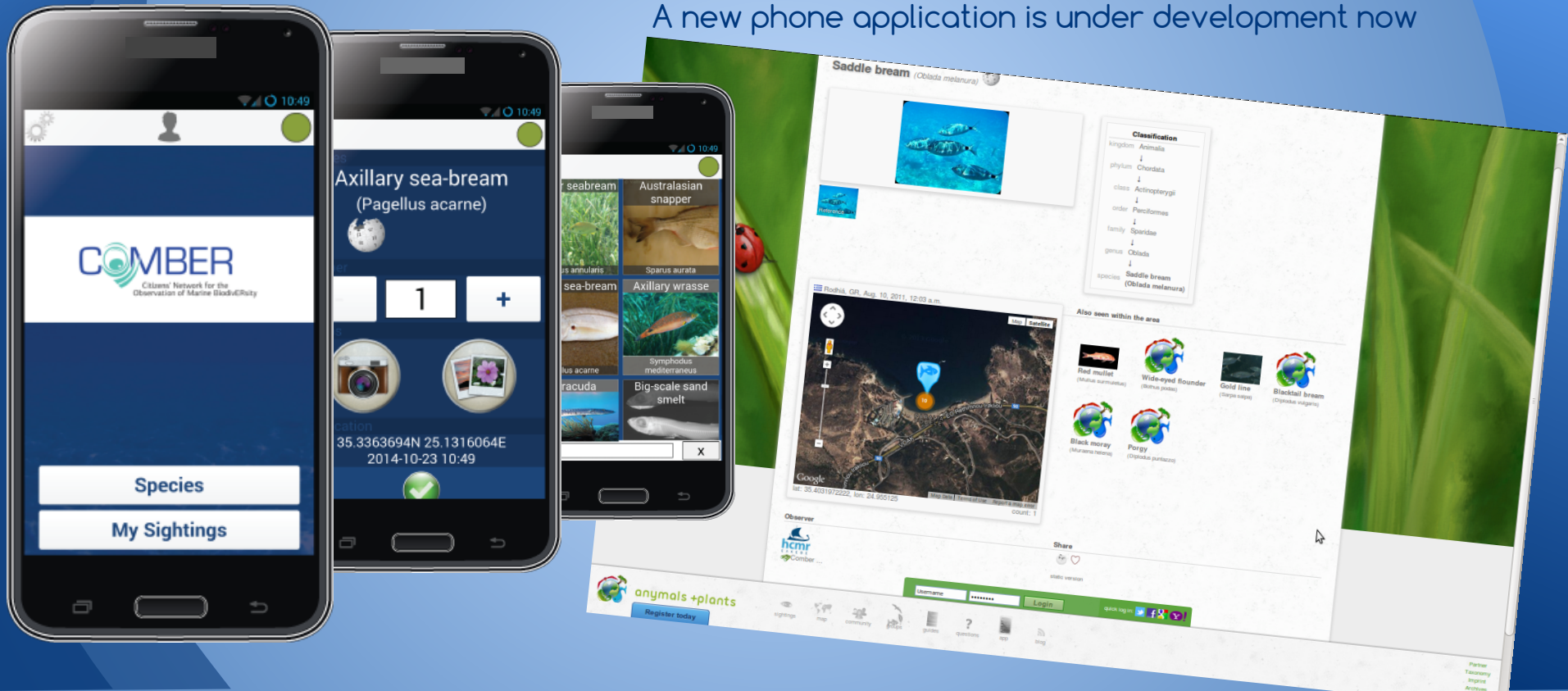
and from Anymals+plants to GBIF

COMBER data to Anymals.org



Submit via mobile

A new phone application is under development now



Work under development…

Scientific hypotheses to be tested:

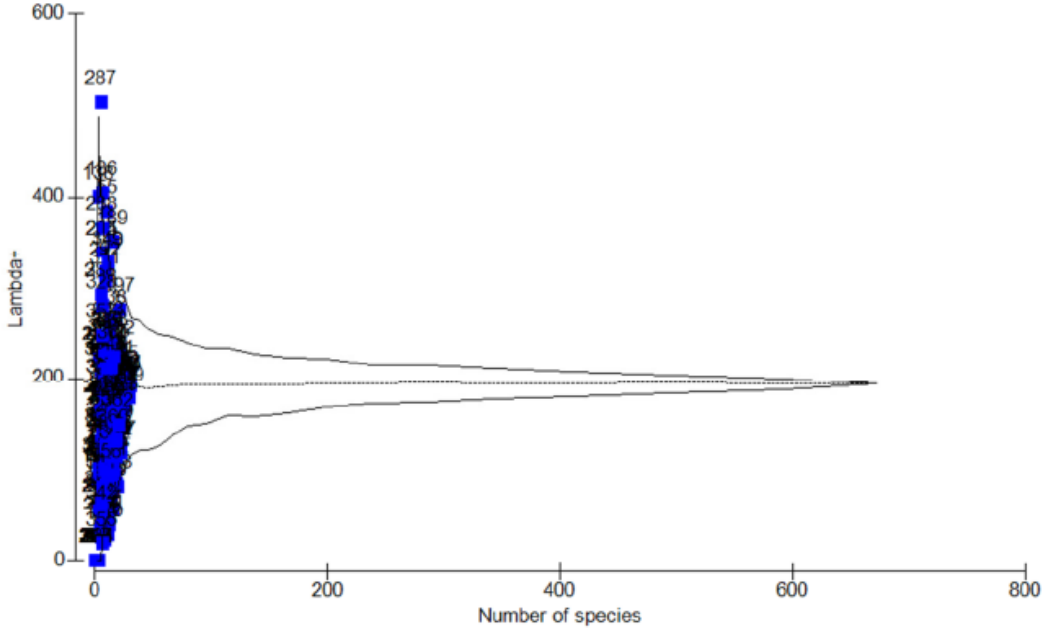
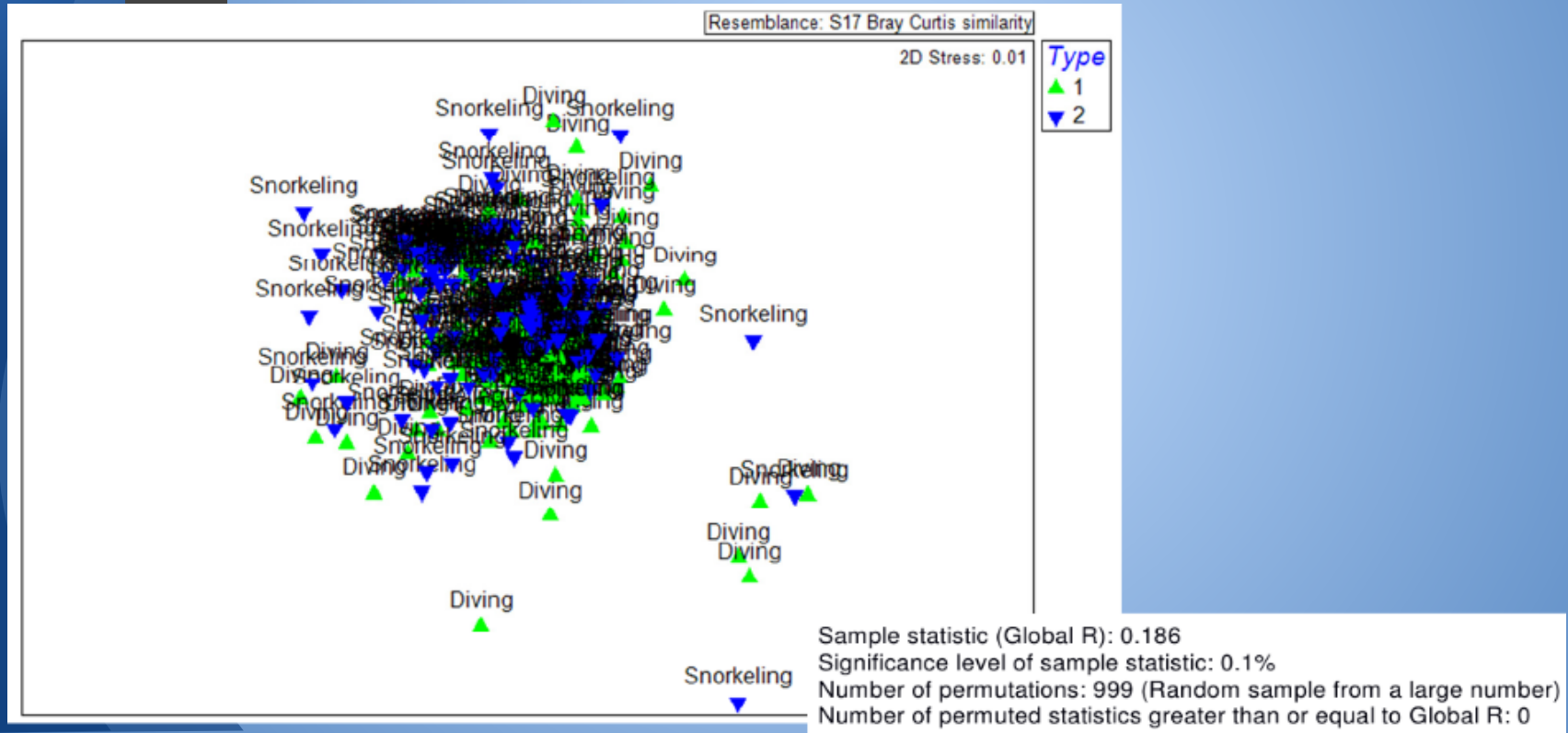


Fig 41: The 95% probability funnel for the variation in taxonomic distinctness (Λ^+) for all the fish species lists compiled from the data collected over the entire period of the COMBER project: 2011-2013. Funnel's confidence limits are calculated from random samples of the Mediterranean fish species and their higher phylogenetic/ taxonomic classifications.

Work under development...

Scientific hypotheses to be tested:



Lessons learned

Crowdsourcing can deliver a wealth of data

The value of these data and their subsequent use in biodiversity studies must be checked

Individuals need these initiatives to get engaged to meaningful leisure activities

ESFRI Infrastructure is important as an incubation chamber for these initiatives

Coordination of the crowdsourcing activity at global scale is a must

Thank you for you attention!

Useful URLs:

www.hcmr.gr

www.lifewatchgreece.eu

scratchpads.eu

www.anymals.org