

# AN INVENTORY OF NATURAL HERITAGE: FRANCE'S KNOWLEDGE BASE FOR MARINE BIODIVERSITY CONSERVATION

Jeanne de Mazières<sup>1</sup>, Eléonore Vandel<sup>1</sup>, Laurent Poncet<sup>1</sup>, Horace Da Costa<sup>1</sup>, Olivier Gargominy<sup>1</sup>, Annabelle Aish<sup>1</sup>, Pascale Joannot<sup>2</sup>, Ingrid Marchand<sup>1</sup>

<sup>1</sup> French Natural History Museum – Natural Heritage Service  
<sup>2</sup> French Natural History Museum – Collections Division & Overseas Territories Delegation

## CONTEXT

Access to comprehensive and up to date biodiversity information is fundamental to the **effective implementation of marine conservation initiatives**. In France, this need is met by the Natural History Museum's "National Inventory of Natural Heritage" (Inventaire National du Patrimoine Naturel, INPN), a **national data platform for biodiversity**, integrating multiple databases.

Established in 2005, its initial development was focused on terrestrial biodiversity data acquisition and dissemination. In recent years, a concerted effort has been made to ensure that **data on marine biodiversity**, both in mainland France and its numerous **overseas territories**, achieves the same profile.

This will enable high priority marine conservation strategies – including those concerning MPA identification and management – to be underpinned by the **best scientific information available**. It will also help to promote awareness of the status and distribution of marine biodiversity amongst the general public.

This poster shows how one aspect (**species information**) of this knowledge base for biodiversity is structured and disseminated, using the marine shrimp *Aegaeon lacazei* (Gourret, 1887) by way of example.

**INPN.MNHN.FR**



Contacts:  
Jeanne de Mazières: [jdemazieres@mnhn.fr](mailto:jdemazieres@mnhn.fr)  
Eléonore Vandel: [vandel@mnhn.fr](mailto:vandel@mnhn.fr)

## MAIN OUTPUTS

The INPN gathers, validates and makes publically available a vast range of biodiversity information including:

Legal status of protected species

Habitat classification systems\*

Scientific guidelines on the survey\*\*, monitoring and evaluation of ecosystems

Distribution of species, habitats and protected areas

Taxonomic reference lists

\* For more information, see Michez N. & Aish A.'s poster: *A new marine habitat classification system for French conservation programmes*.

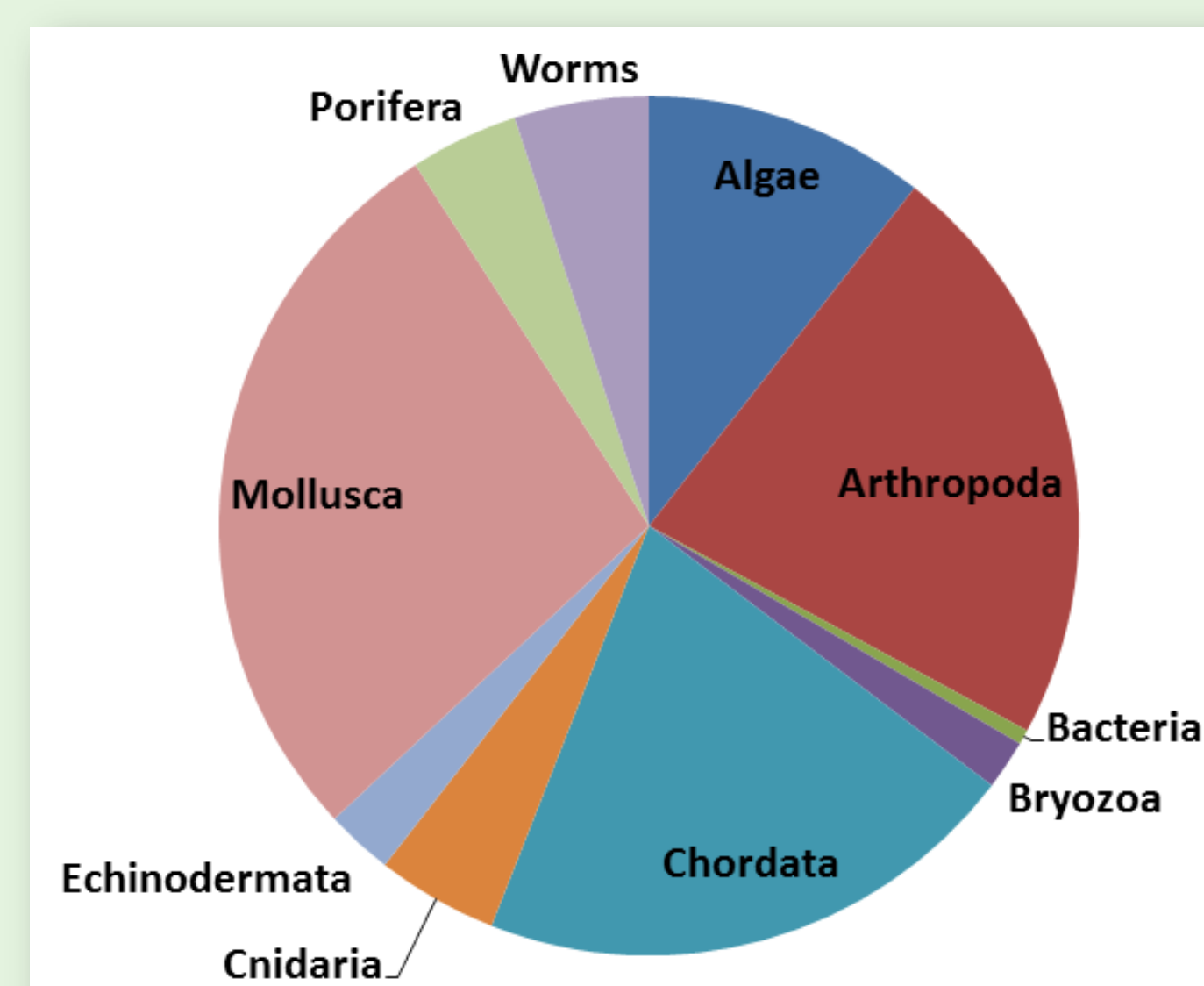
\*\* For more information, see Doré A.'s poster: *ZNIEFF in marine environment*.

The evolution of TAXREF in terms of marine species has been significantly bolstered by the French Coral Reef Initiative (IFRECOR).

More than **18,200 coral reef-associated species** from French overseas territories has been collated.

## TAXREF : THE FRENCH TAXONOMIC REGISTER

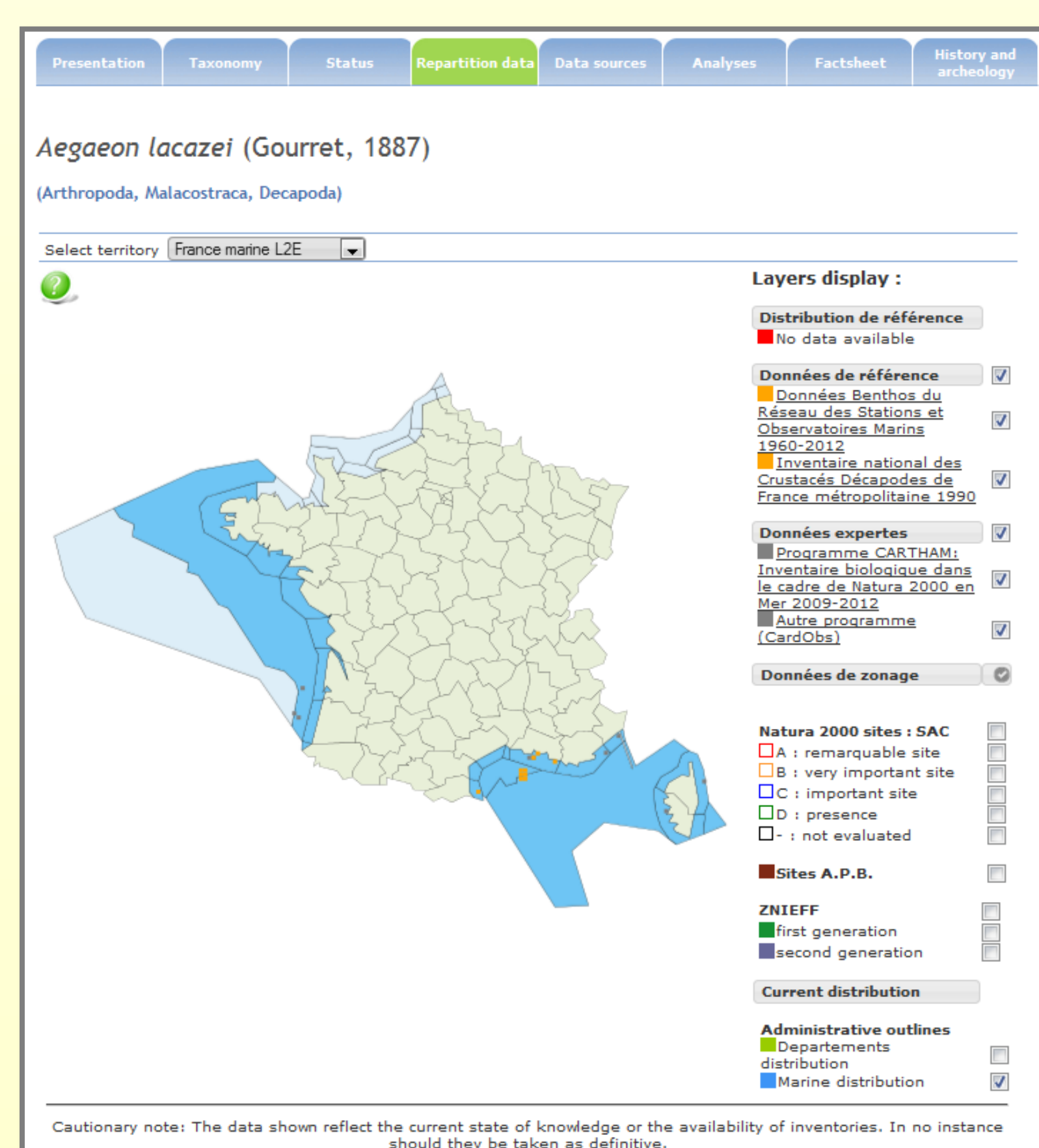
- ⇒ Provides an authoritative list of names of species of continental and marine plants and animals for mainland France and its overseas territories.
- ⇒ Ensures a permanent link and consistency with Global Species Databases :



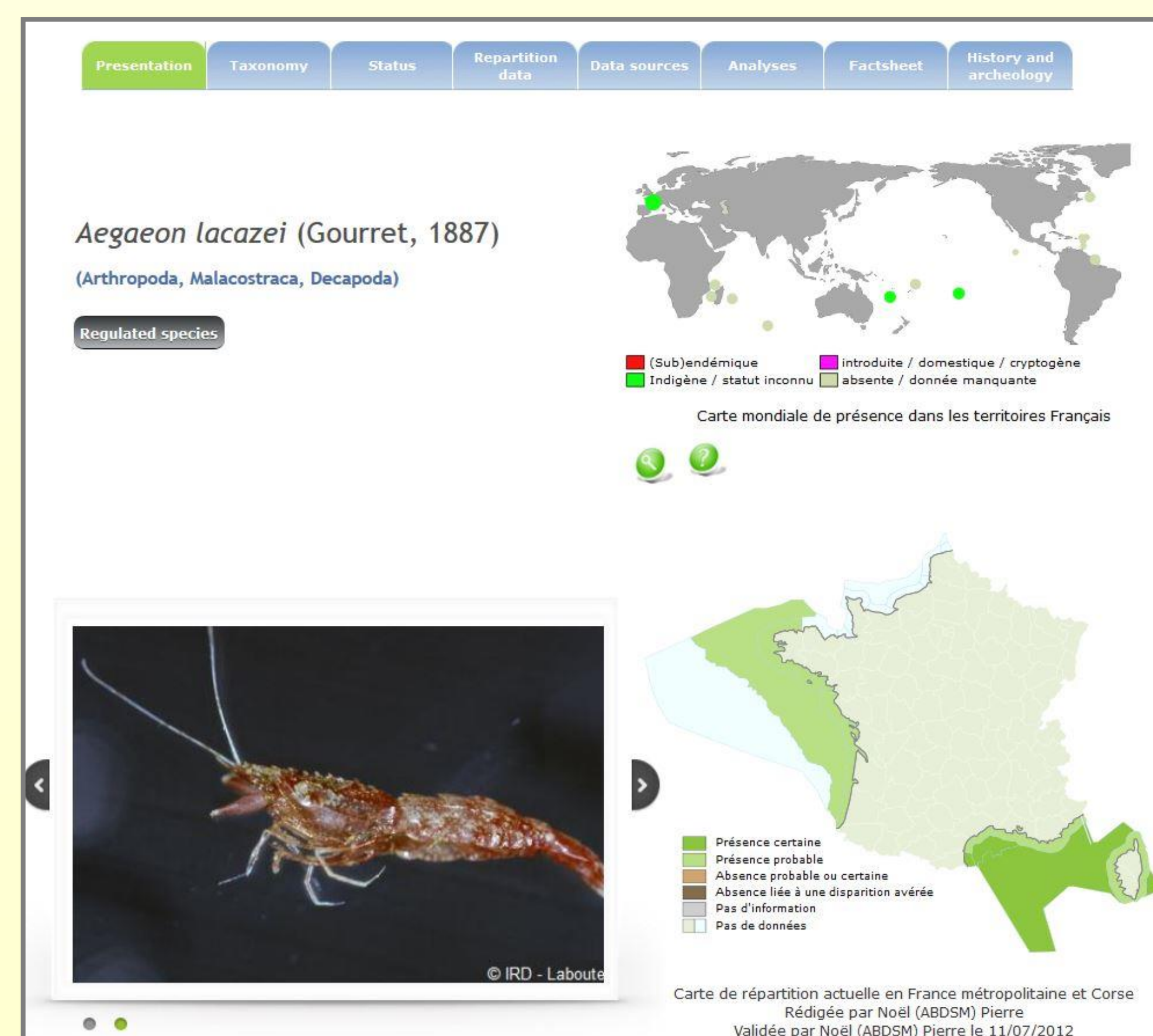
## TAXONOMY

Presentation	Taxonomy	Status	Repartition data	Data sources	Analyses	Factsheet	History and archeology
<p><i>Aegaeon lacazei</i> (Gourret, 1887) (Arthropoda, Malacostraca, Decapoda)</p> <p>Links to other taxonomic registers</p> <p>WoRMS</p> <p>Classification :</p> <p>Kingdom : Animalia Phylum : Arthropoda Class : Malacostraca Order : Decapoda Family : Crangonidae Genus : <i>Aegaeon</i> Species : <i>Aegaeon lacazei</i> (Gourret, 1887) (CD_NOM = 338823)</p> <p>Synonymy</p> <p><i>Aegaeon lacazei</i> (Gourret, 1887) (CD_NOM = 338823)</p> <p>References</p> <p><i>Aegaeon lacazei</i> (Gourret, 1887)</p> <p>» Poupin (2010) [Statut pour la Nouvelle-Calédonie] Poupin, J. 2010. Biodiversité de l'Indo-Pacifique tropical français : 2514 espèces de crustacés décapodes et stomatopodes. Rapport scientifique. Institut de Recherche de l'École Navale, Brest. 76 pp. [ <a href="http://decapoda.ecole-navale.fr/pdf/poupin-2010-inventaire-crustacee-indo-pacifique-fr.pdf">http://decapoda.ecole-navale.fr/pdf/poupin-2010-inventaire-crustacee-indo-pacifique-fr.pdf</a> ]</p> <p>» Poupin (2010) [Statut pour la Polynésie française] Poupin, J. 2010. Biodiversité de l'Indo-Pacifique tropical français : 2514 espèces de crustacés décapodes et stomatopodes. Rapport scientifique. Institut de Recherche de l'École Navale, Brest. 76 pp. [ <a href="http://decapoda.ecole-navale.fr/pdf/poupin-2010-inventaire-crustacee-indo-pacifique-fr.pdf">http://decapoda.ecole-navale.fr/pdf/poupin-2010-inventaire-crustacee-indo-pacifique-fr.pdf</a> ]</p>							

## DISTRIBUTION



**PERMALINK:** [inpn.mnhn.fr/espece/cd\\_nom/366432](http://inpn.mnhn.fr/espece/cd_nom/366432)



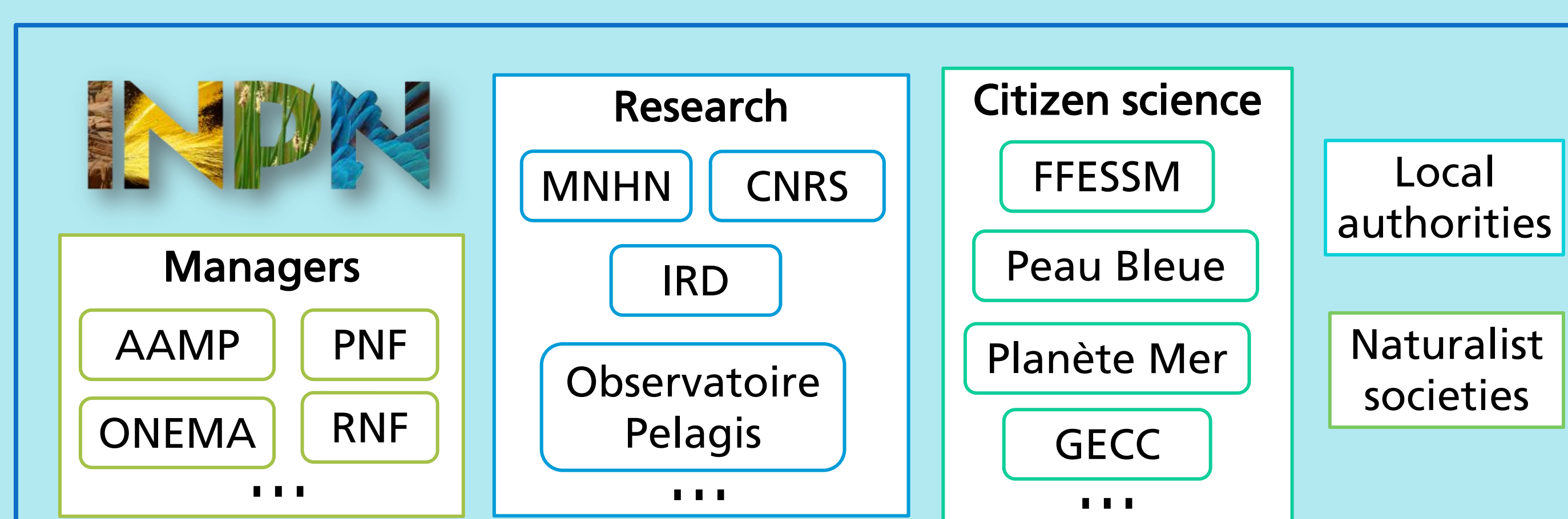
## LEGAL STATUS

Presentation	Taxonomy	Status	Repartition data	Data sources	Analyses	Factsheet	History and archeology
<p><i>Aegaeon lacazei</i> (Gourret, 1887) (Arthropoda, Malacostraca, Decapoda)</p> <p>Espece réglementée</p> <p>This taxon is protected or regulated:</p> <p>Réglementation préfectorale :</p> <p>» Interdiction d'introduction, de détention, de transport, de reproduction, de mise en vente, de vente, d'achat et de cession de spécimens vivants d'espèces animales exotiques de la faune sauvage, dans la collectivité départementale de Mayotte : Article 1</p>							

## KEY MARINE FIGURES

- + 9,900 species in mainland France
- + 21,200 species in overseas territories (TaxRef v6.x, 10/2013)
- + 111 700 marine species occurrence data presented via 10km x 10km grid cells
- 84% of these data were disseminated in 2013
- + 3,900 species with at least one disseminated occurrence data
- 156 Natura 2000 sites containing marine features

## WHO CONTRIBUTES?



AAMP: French Agency for Marine Protected Areas, CNRS: French National Center for Scientific Research, FFESSM: Underwater Sports Federation, GBIF: Global Biodiversity Information Facility, GECC: Association for Marine Mammals Conservation in the English Channel, IRD: Research Institute for Development, Observatoire Pelagis: Research Center on Marine Mammals, ONEMA: French National Agency for Water and Aquatic Environments, Peau Bleue: Marine Conservation Association, Planète Mer: Marine Conservation and Awareness Association, PNF: French National Parks, RNF: French Natural Reserves