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DE LA BIODIVERSITÉ



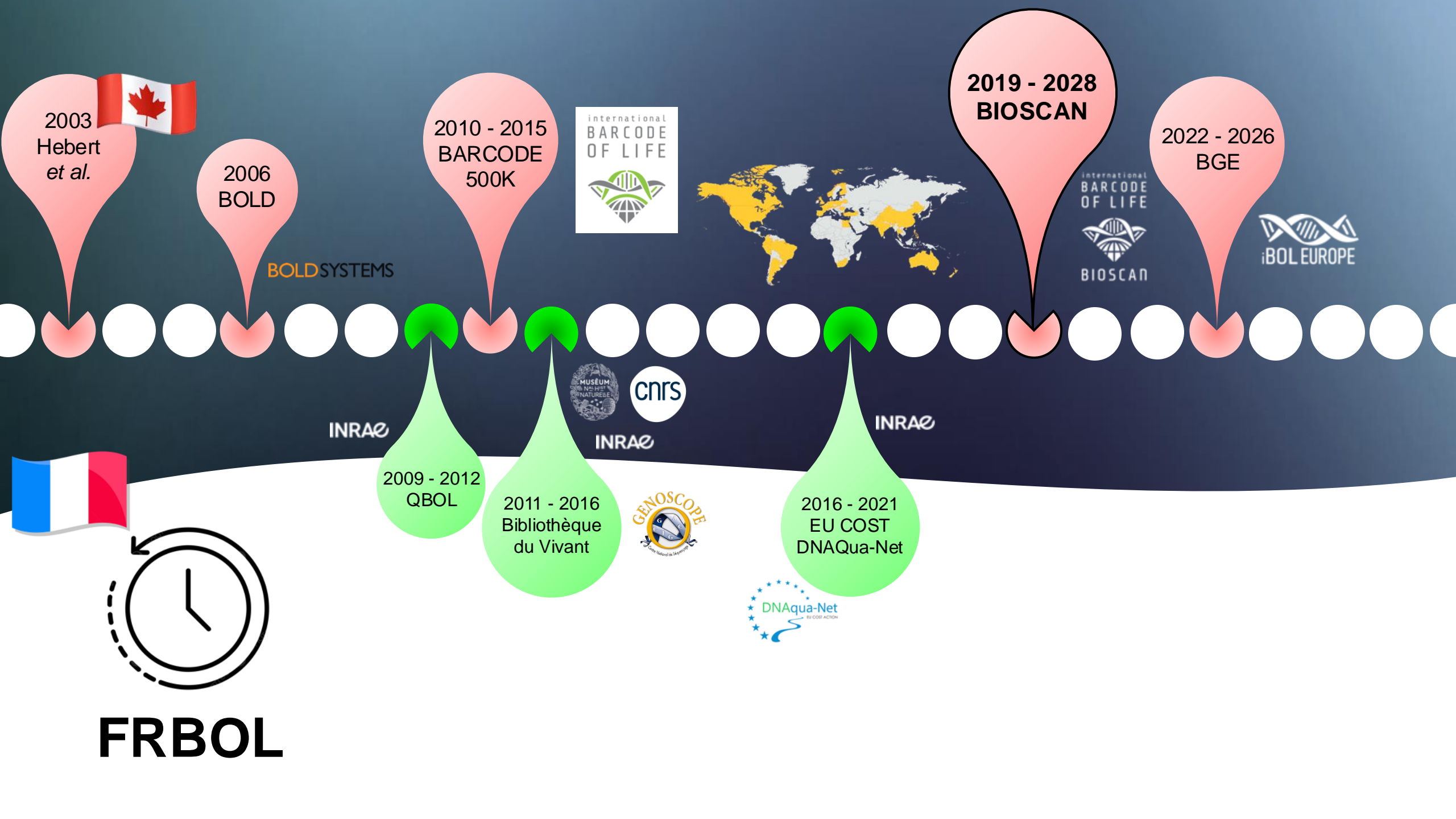
January 27th of 2025

iBOL Europe community meeting

FRBOL - the French Barcode of Life network

Rodolphe Rougerie (MNHN, ISYEB)





2003
Hebert
et al.



2006
BOLD

BOLD SYSTEMS

2010 - 2015
BARCODE
500K



2019 - 2028
BIOSCAN



2022 - 2026
BGE



INRAE

2009 - 2012
QBOL

2011 - 2016
Bibliothèque
du Vivant



INRAE



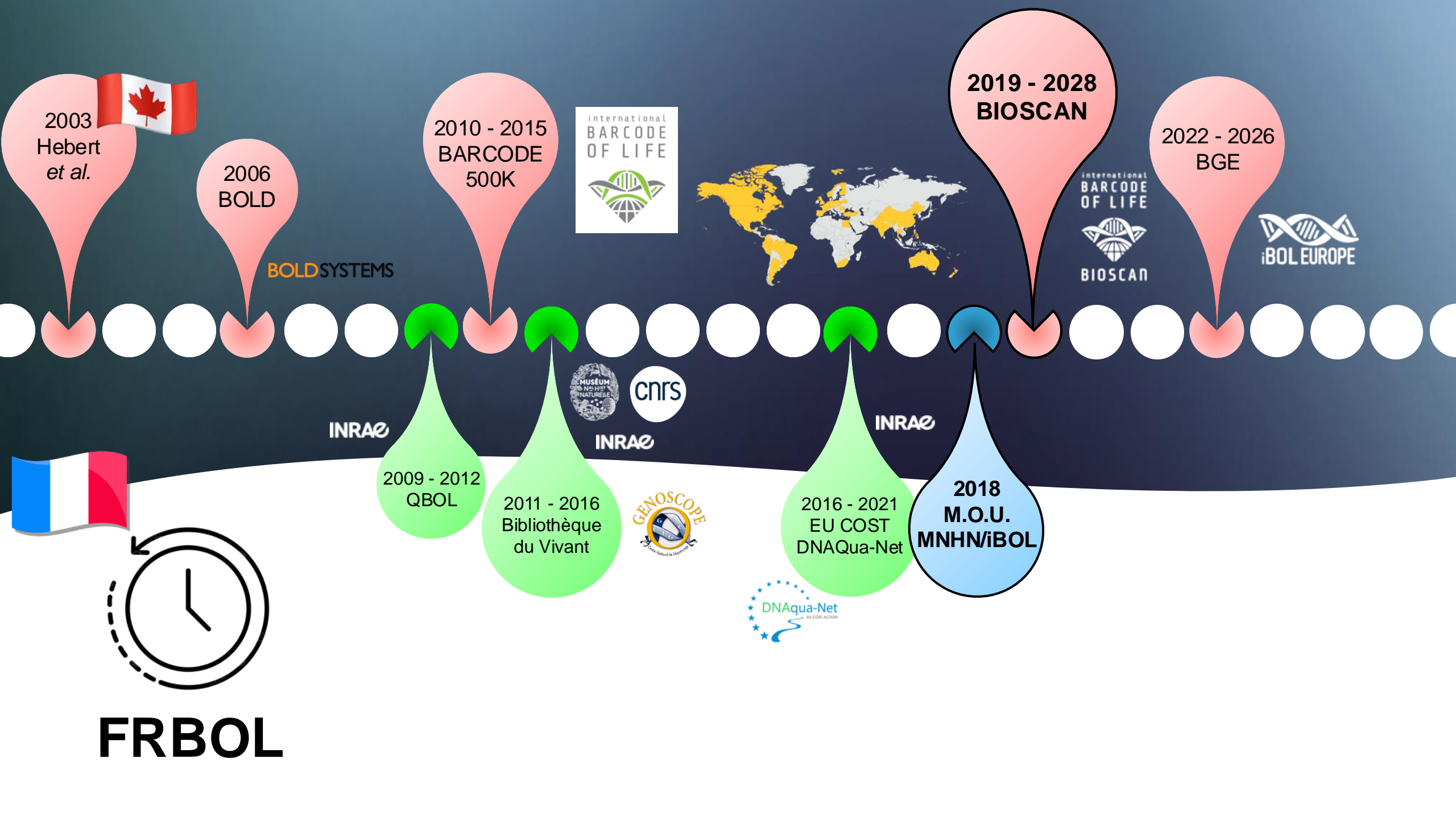
2016 - 2021
EU COST
DNAQua-Net



INRAE



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INRAE

2018
M.O.U.
MNHN/iBOL



FRBOL



MEMORANDUM OF UNDERSTANDING

BETWEEN: **INTERNATIONAL BARCODE OF LIFE (iBOL) Corporation**
having its head office at 50 Stone Road East, Guelph,
Ontario, N1G 2W1, CANADA

hereinafter called iBOL

AND: **MUSÉUM NATIONAL D'HISTOIRE NATURELLE, PARIS**
MUSEUM NATIONAL D'HISTOIRE NATURELLE
hereinafter called MNHN

57, Rue Cuvier
75231 PARIS CEDEX 05 - FRANCE

September
2018

IN WITNESS WHEREOF, THE PARTIES AGREE AS FOLLOWS:

1. SCOPE

This document outlines the intended role of countries participating as National Nodes in iBOL.

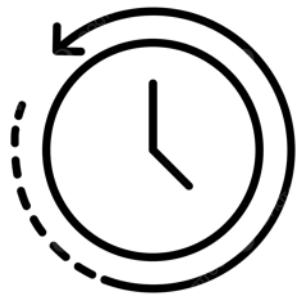
2. BACKGROUND

DNA barcoding is a methodology for rapidly and accurately identifying species by sequencing a short segment of standardized gene regions and comparing individual sequences to a reference database.



3.2 National Node

A National Node is a network of researchers and organizations in a country that is engaged in DNA barcoding or in supporting such work as part of iBOL.



FRBOL

**MNHN as focal point for France
National Node**



1st FRBOL meeting at MNHN, Paris on Nov. 20th of 2019

Need for a national network in France ?



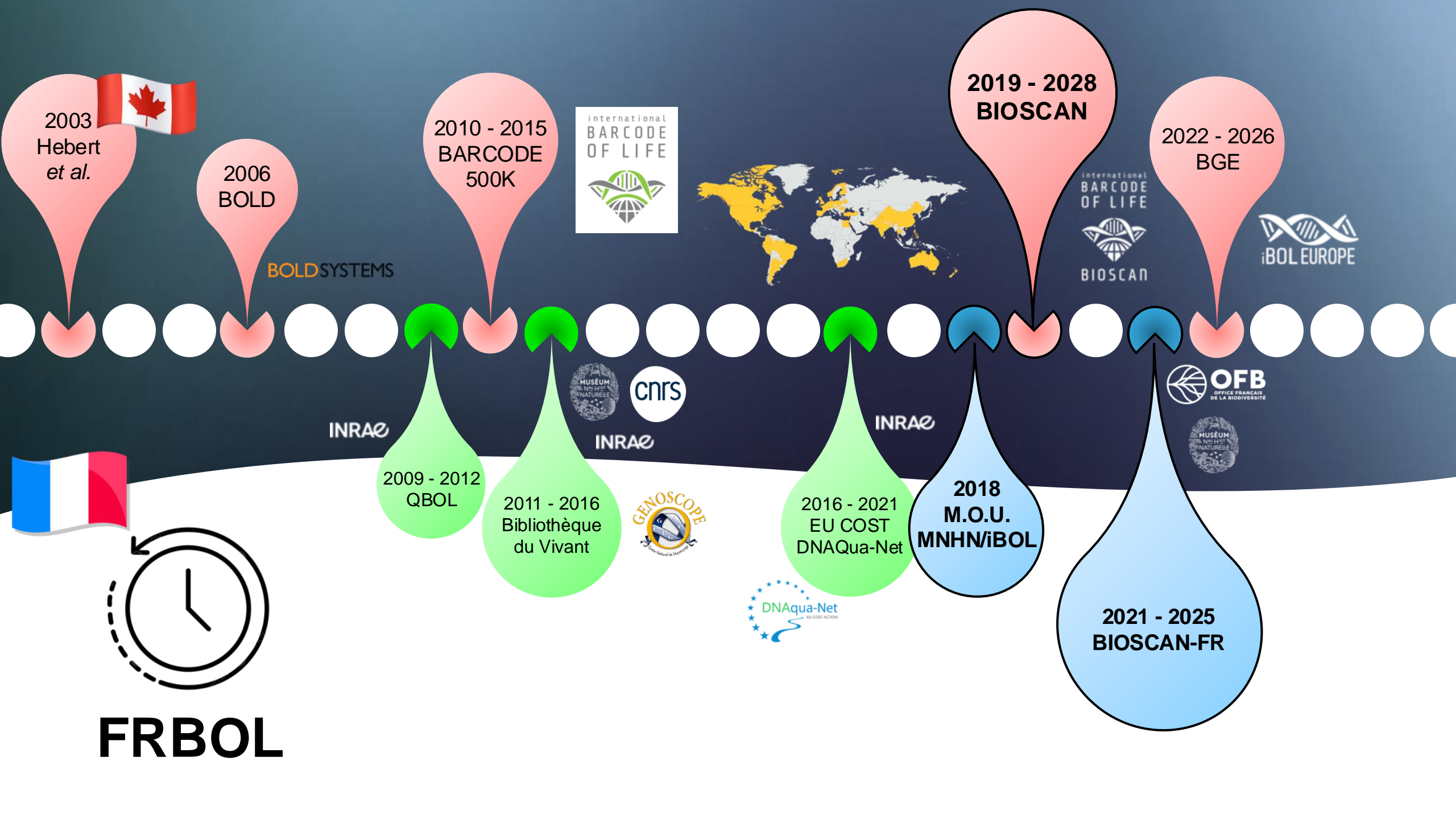
First steps...

- Roles and objectives
- Governance, activities
- Funding

Census of projects, actors, infrastructures, stakeholders, funding opportunities



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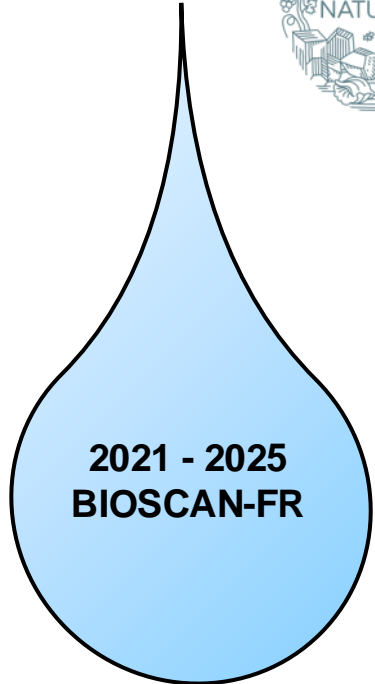
2021 - 2025
BIOSCAN-FR



FRBOL

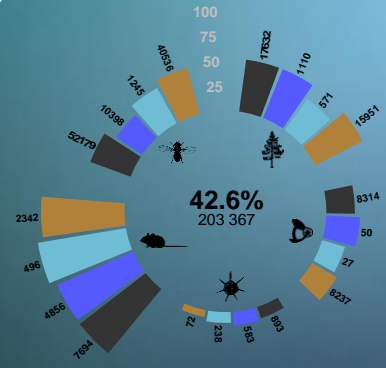
BIOSCAN France

(2021-2025)



2021: project-based funding

... Giving substance to the network through activities within BIOSCAN-FR



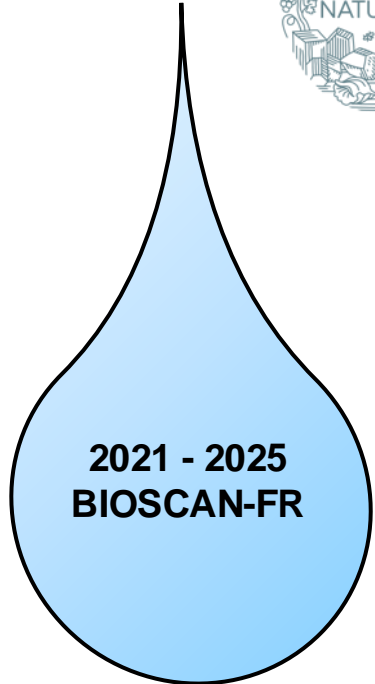
- Gap analysis
- Promote/coordinate the development of DNA barcode libraries - engage the community
- Coordination of batch shipment of samples: approx. 70,000 since 2020 (up to 20,000/year)
- Organise actions of communication and training (*Strong economies of scale (cost/4.5)!* scientific seminars with partner institutions, naturalist associations, workshops)

BIOSCAN France

(2021-2025)



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2021 - 2025
BIOSCAN-FR

... towards an official launch?

2nd FRBOL meeting at CESAB, Montpellier, 24.10.2023



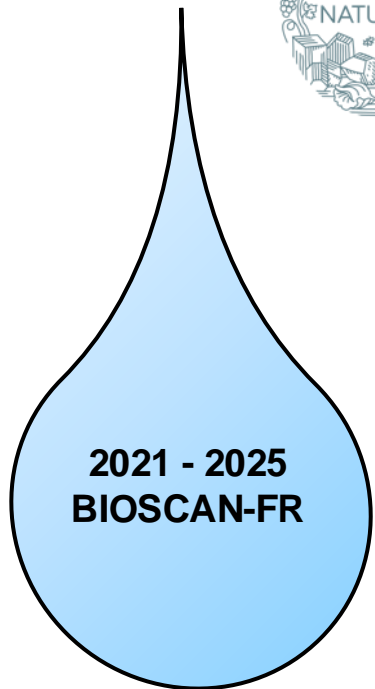
- FRBOL = network \neq project
- Anchored at MNHN = iBOL focal point
- **Need for dedicated resources (HR)**
- Continue/develop current activities
- Communication: formal announcement at conference, logo, website

BIOSCAN France

(2021-2025)



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towards an official launch?



l point

(HR)

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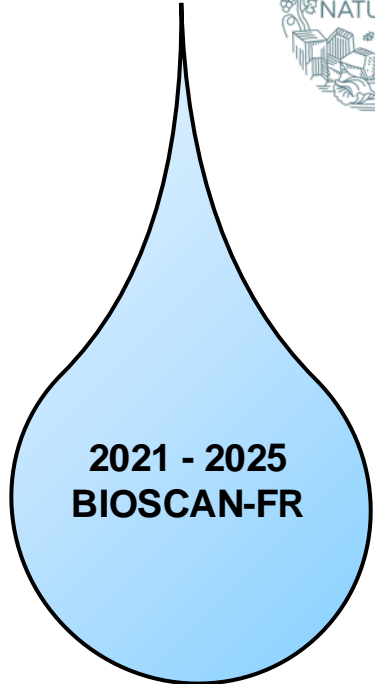
ancement at

BIOSCAN France

(2021-2025)



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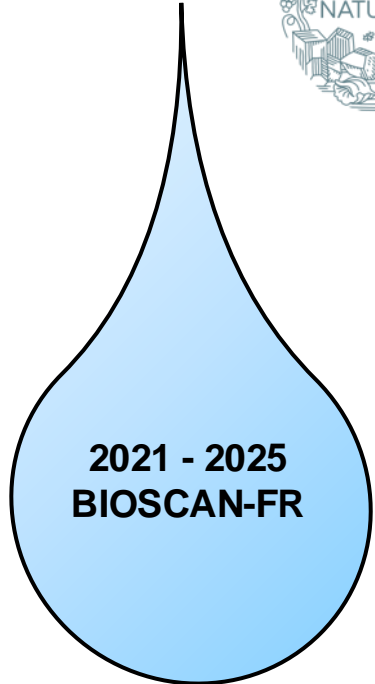
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BIOSCAN France

(2021-2025)



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... towards an official launch?



Colloque ID-ADN

27 & 28 novembre 2024

L'ADN pour identifier et suivre la biodiversité

Avancées, méthodes et données pour la recherche, les collections et les politiques publiques

Amphithéâtre Verniquet
Muséum national d'Histoire naturelle
Paris 5°

Récolnat PATRINAT FRBOL Muséum national d'Histoire naturelle OFB

- 240+ attendees
- 30 speakers
- Presentation of FRBOL network
- FRBOL logo

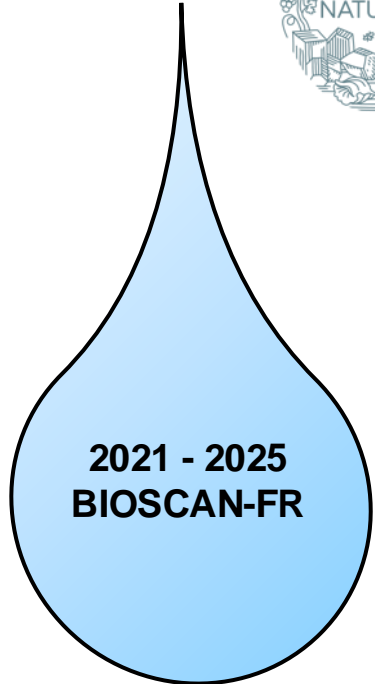
**National congress at MNHN,
27-28.NOV.2024**

BIOSCAN France

(2021-2025)



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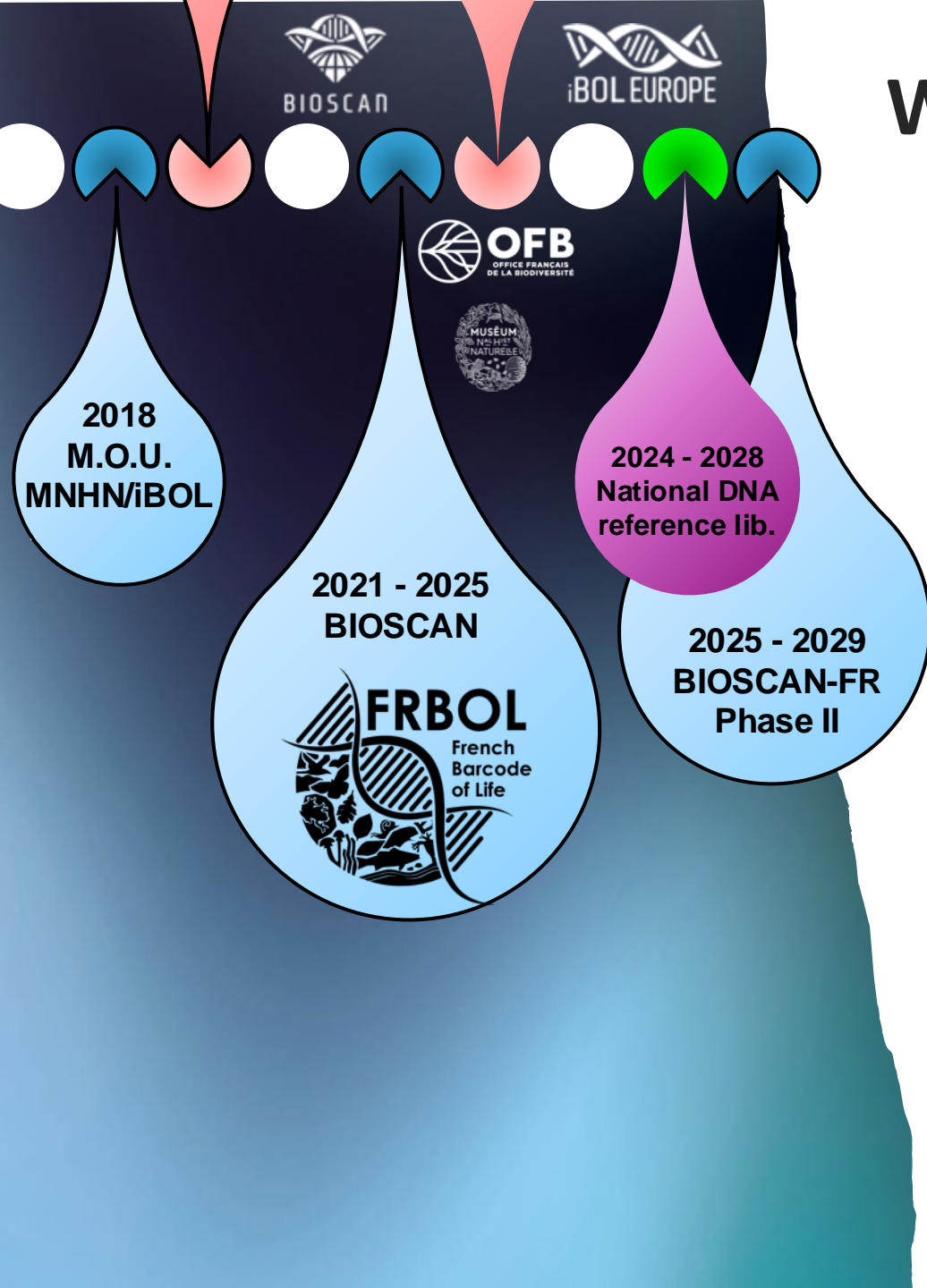


... towards an official launch?



Scientific iconography service of MNHN
Estelle Pocino & Didier Geffard-Kuriyama

**National congress at MNHN,
27-28.NOV.2024**



What's next?



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- **BIOSCAN-FR phase II**

- Funded for 2025-2029 period (300K€)
 - Continue the deployment/analysis of Malaise traps
 - Coordination/animation of FRBOL (3y position)

- **National DNA reference library**

- Funded for 2024-2028 period (400K€)
 - New national information system for species identification based on genetic/genomic data
 - Conceptualization ; PoC ; development in selected target groups



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**MINISTÈRE
DE LA TRANSITION
ÉCOLOGIQUE**
*Liberté
Égalité
Fraternité*

Thank you!



Line Le Gall



Liliana Ballesteros



Nathalie Becker



Yvan Lebras



Aurélie Lacoeylue



Julien Touroult



Lucas Sire



Olivier Nornez



François Dusoulier



Laurent Poncet



Nirmala Séon-Massin



Antoine Lévêque



Astrid Cruaud



Jean-Yves Rasplus



Jean-Claude Streit



Carlos Lopez-Vaamonde



Wilfried Thuiller



Frédéric Rimet



Mélodie Ollivier



Sujevan Ratnasingham



Thibaud Decaëns



Lucie Zinger



Rémi Wattier



Gabriela Dankova



Michal Grabowski



Jean-Dominique Durand

