

OPEN SCIENCE - DATA ORIENTED - TRAINING WORKSHOP FOR MARINE BIOLOGISTS IN MADAGASCAR

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The objective of this [project](#) is to organize a training workshop on [Open Science](#) with a component dedicated to the management of research data and an initiation to their processing. This training workshop will be open to students and researchers in the marine reef field of Madagascar and in particular to members of the [International Mixed Laboratory MIKAROKA](#)⁶ : [CNRO](#)³, [IH.SM](#)⁵, [UMR ENTROPIE](#)¹, [UMR MARBEC](#)².



6 to 10th of December, 2021



40 participants, 8 trainers



Dedicated training platform
(French)



Centre National pour la
Recherche
Océanographique, Nosy Be

GUESTS

Ambassadors of key initiatives :

Nagoya protocol	GBIF France
GBIF Madagascar	IRD DataSuds

Data scientists focusing on different
aspects will showcase :

Basics to read and process data with R	DMP implementation	Reproducible science
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The idea behind Open Science is to allow scientific information, data and outputs to be more widely accessible (Open Access) and more reliably harnessed (Open Data) with the active engagement of all the stakeholders (Open to Society). [Unesco](#)



Open Science: what,
how & why ? (SHB
Online)

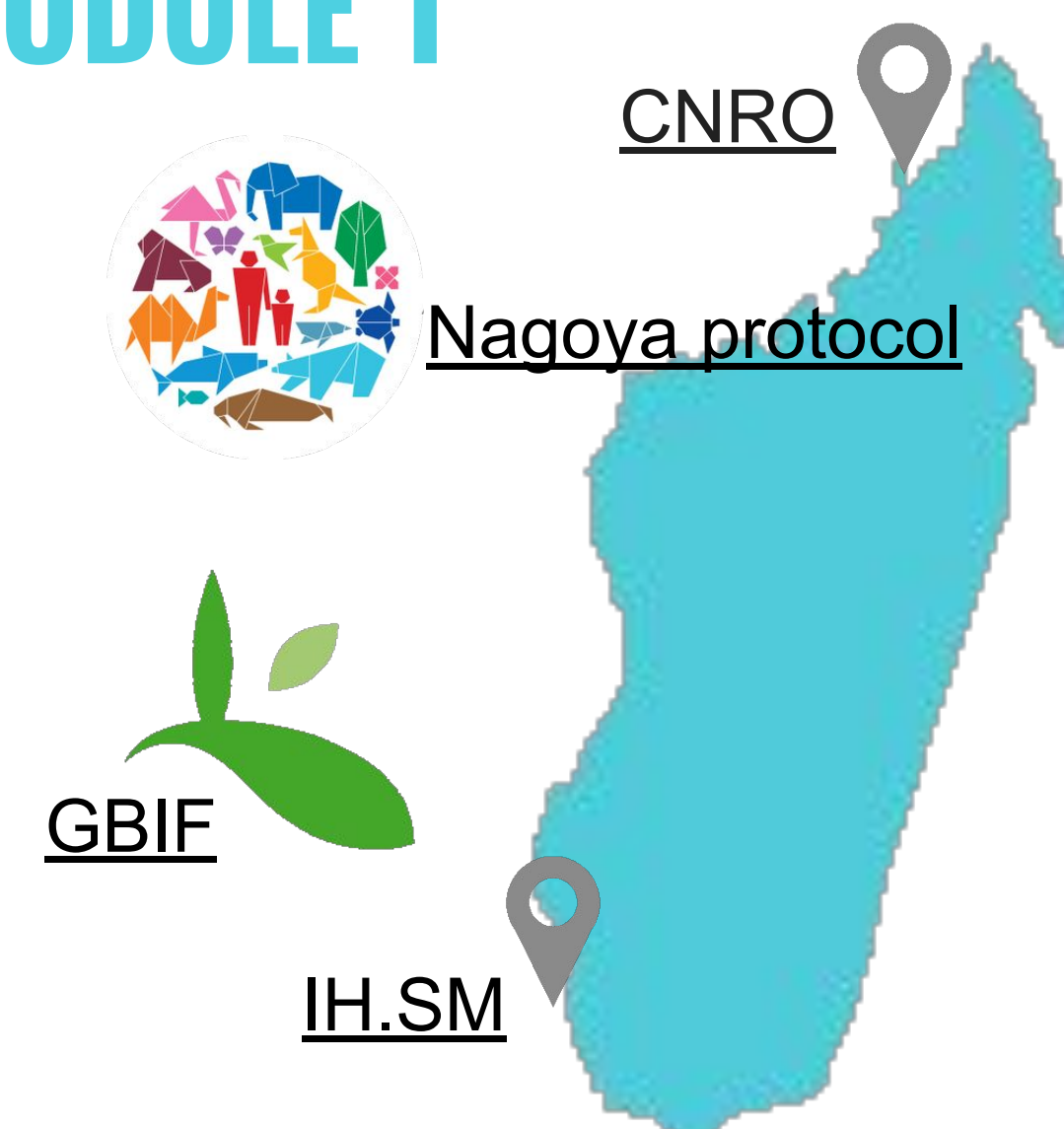


FAIR principles
explained (Maastricht
University)

The FAIR principles emphasize machine-actionability (i.e., the capacity of computational systems to find, access, interoperate, and reuse data[...]) because humans increasingly rely on computational support to deal with data as a result of the increase in volume, complexity, and creation speed of data. [Go-FAIR](#)

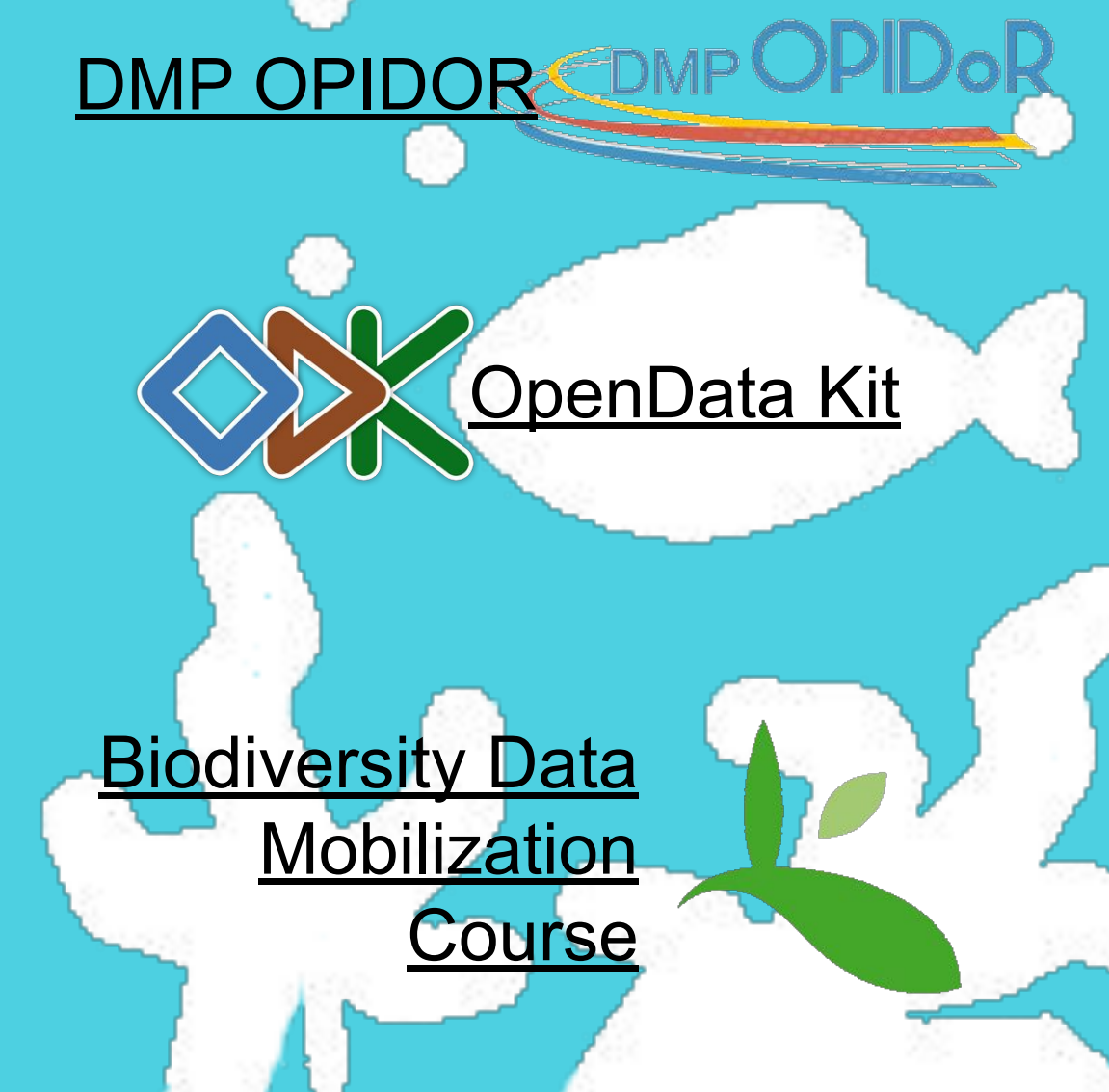
TRAINING WORKSHOP PROGRAM

MODULE 1



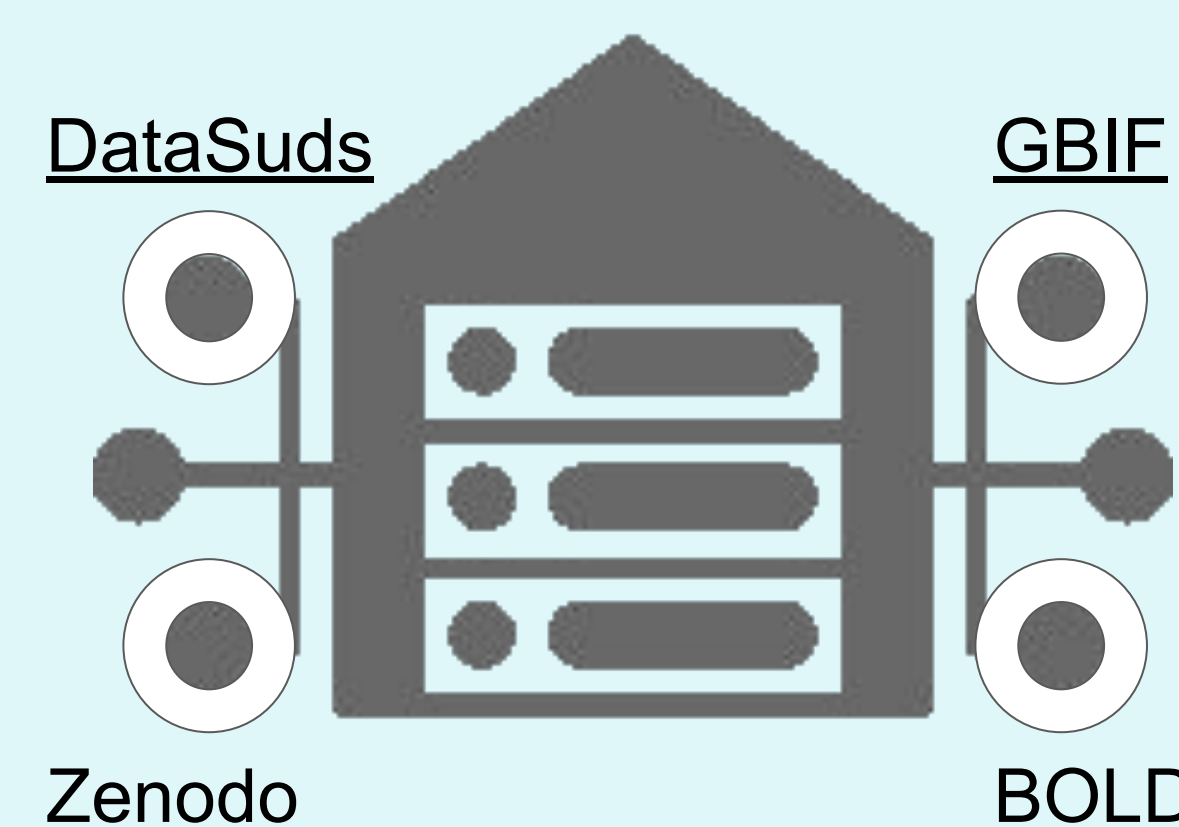
Identify local
and
international
key initiatives
for the marine
reef
environment in
Madagascar

MODULE 2



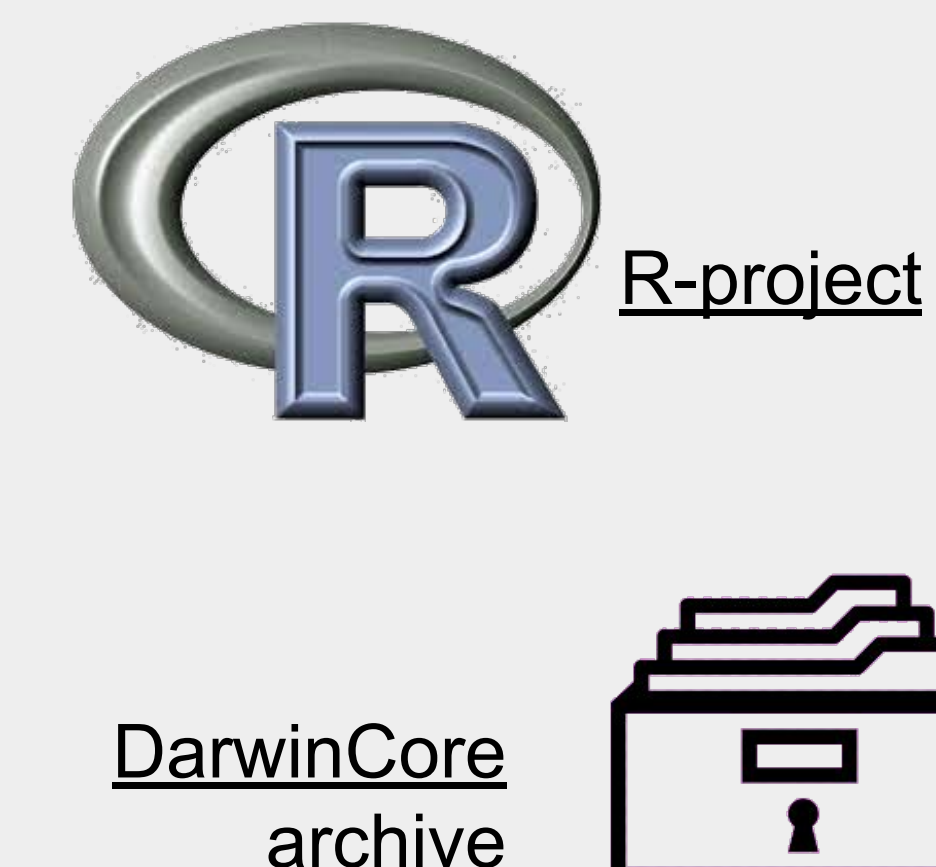
FAIR principles
for data
collection and
referencement
on the field
and at lab

MODULE 3



Capitalize your
data in data
repositories :
choosing the
one that fits
your needs

MODULE 4



Feedback and
examples of
data
automatised
processing with
R programming

OPEN MATERIAL

The material used to build this
workshop will be gathered and made
available by assigning a [Digital Object Identifier](#), in order to be reused and improved :

- the first DOI version will be initiated with this poster
- Slides
- Codes and data samples

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