MDST – USER'S MANUAL

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1 Enter the website

Once on the welcome page, you can enter the website using the public entrance or the restricted access. I will describe the differences in these two access:

- Public access
  Using the public access, you can use the MDST website within a two hours session. You can access all the public data from all databases, store them into a cart for overlay heterogeneous data. You also have the opportunity to freely register to the MDST website.

- Register
  Once register, you can access the MDST website through the restricted access. The main benefit to do so is to save your cart from one visit to another. You can manage your personnal informations and contact administrators of REMIGE and SARDARA in order to access private data.

- Get private access
  REMIGE and SARDARA administrators can give you access to private data. You can manage your private access to REMIGE and SARDARA from you User account.

- List of private data
  - REMIGE All tracking data are private.
  - SARDARA All Pacific fishing data coming from IATTC or WCPFC are private data.
2 Access the data

Once inside the MDST website, the databases used are described and the data stored in each database are listed. You can access these data through this list or you can use the menu on the left. On the menu, you have:

- Data : databases description page
- Fishing data
  - Catches : Access the catches data through a selection form.
  - Effort : Access the effort data through a selection form.
- Size frequencies : Access the Size frequencies data through a selection form.
- Data sources : Explain how the raw data were gathered and treated.
- Environmental data : Access the environmental data list.
- Tracking data
  - By species : Access the tracking data through the list of species available.
  - By deployment : Access the tracking data through the list of deployments available.
  - Advanced search : Search into the tracking data by ring code or device code.
  - Advanced download : Search into the tracking data with a form.
- Data sources : List which REMIGE projects allowed the gathering of which data.
- Cart : List the data selected from previous visit. It allows overlay mapping of heterogeneous data.
- Processing : List the process available to be applied to the REMIGE data. (restricted access needed)
- My profil/Register : Change personal information or register.
3  Fishing data

1  The selection form:

Catches
You can select a dataset choosing :
– The extrapolated data : RF1 ou RF2 (explained in Data Source)
– The aggregative function to be applied on the dataset : Sum or Mean
– The fleet(s) for the RF1 level
– The gear(s)
– The school(s) type
– The Species
– Set a beginning and a ending date
– Choose to build a time series dataset by month, by quarter or by year
– Choose the are of your data : worldwide, by ocean(s), by a specific square.
– Choose the output you want : a map, a 2d time series graph or a Descarre graphic.

Data from the Pacific ocean are private and require a specific clearance

Effort
You can select a dataset choosing :
– The extrapolated data : RF1 ou RF2 (explained in Data Source)
– The aggregative function to be applied on the dataset : Sum or Mean
– The fleet(s) for the RF1 level
– The gear(s)
– The school(s) type
– The Effort type
– Set a beginning and a ending date
– Choose to build a time series dataset by month, by quarter or by year
– Choose the are of your data : worldwide, by ocean(s), by a specific square.
– Choose the output you want : a map, a 2d time series graph or a Descarre graphic.

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Catche Per Unit of Effort (cpue)
You can select a dataset choosing :
– The extrapolated data : RF1 ou RF2 (explained in Data Source)
– The aggregative function to be applied on the dataset : Sum or Mean
– The fleet(s) for the RF1 level
– The gear(s)
– The school(s) type
– The Effort type
– One species
– Set a beginning and a ending date
– Choose to build a time series dataset by month, by quarter or by year
– Choose the area of your data: worldwide, by ocean(s), by a specific square.
– Choose the output you want: a map, a 2d time series graph or a Descarre graphic.

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**Size frequencies:**

You can select a dataset choosing:
– The aggregative function to be applied on the dataset: Sum or Mean
– The fleet(s)
– The gear(s)
– The first and the last size’s class
– The school(s) type
– One species
– Set a beginning and an ending date
– Choose to build a time series dataset by month, by quarter or by year
– Choose the area of your data: worldwide, by ocean(s), by a specific square.
– Choose the output you want: a Descarre graphic.

Data from the Pacific ocean are not available.

Warning: If you do not have the rights to access private data of Pacific ocean, you will only be able to access Atlantic and Indian Ocean.
2 The result page:

You will go to a result page on which you will have some summary information of the dataset you selected. You will be able to:

– Access the data you selected in a CSV format.
– Obtain the corresponding SQL request used to build your dataset
– The corresponding number of rows in the dataset

In case of a map output, you can:

– Change the size of the pies and their matching values
– Obtain the map
– Put the dataset in your cart

In case of a time series or a Descarre output, you can:

– Choose on layout by country, by fisheries, by species or total
3 The map page:

You can zoom, save the image, move right or left, add area layer, change the resolution, change the projection. If you made a time series, you can access other maps.

4 Cart

On the main cart page, every dataset from environmental data, tracking data or fishing data are listed. You can access any of them individually, but the main interest of the cart is to select few of them with the checkboxes. Then you choose « available treatment ».

The basic available treatment is to display all the selected dataset.

More advanced treatments are available for REMIGE data but not for SARDARA data.

If you have the right, you will be able to add your own treatment for the tracking or the environmental data.

You will go to a page with the map and some editing tools like the previous map result page.