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iotc ctoi

Indian Ocean Tuna Commission
Commission des Thons de l'Océan Indien



OBSERVER PROGRAM DEVELOPMENT and LOGISTICAL COORDINATION WORKSHOP



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IOTC ROS e-TOOLS : National Database Usage

IOTC ROS OLC TR 8.05

Category: IOTC ROS data collection and management tools

[IOTC ROS OLC TR 8]



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ROS NATIONAL DATABASE [about]

1. Centralized national repository to collect, store, manage and analyse observer at-sea trip information;
2. Multi-platform app, built in Java (works on Windows, Mac and Linux).
3. Allows users (national focal points) to upload and manage trip observations received by national observers
4. Allows users (national focal points) to submit all information marked as *mandatory* or *optional for reporting* to the IOTC ROS Regional database.



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Access and user identification

IOTC ROS national database v2.1.4 - Login

 Log-in with your IOTC ROS national focal point credentials

Username

Password

Login

Please enter your username and password to proceed

1. Click on the *launch* icon;
2. A **login panel** will appear, asking for user-specific credentials (to be provided by the IOTC Secretariat, to each focal point);
3. Once successfully logged-in, the user is redirected to the main workspace and can start working with the information of pertinence to its country;
4. **The login process requires that the computer running the ROS National DB is connected to the Internet.**



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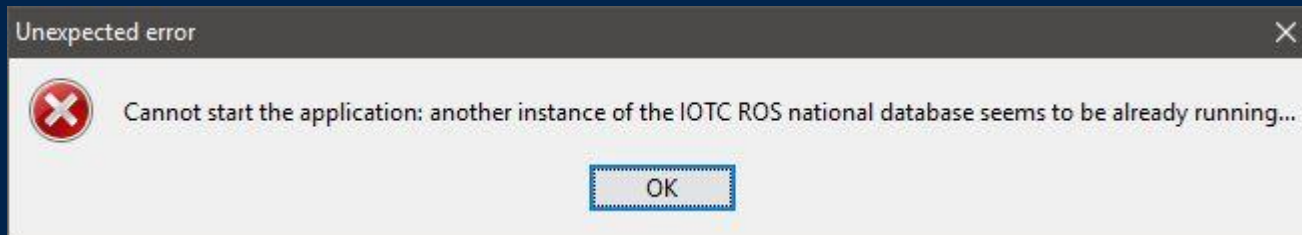
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Access and user identification - issues

This alert is presented to the user when another instance of the ROS national DB is already running



This message is presented
when the provided credentials
(focal point username /
password) are wrong





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Main dashboard

1

2

3

IOTC ROS national database v2.1.4

File Database Selection View Settings Help

Trip data:

Import from file

Submit selected to IOTC

Refresh selected from IOTC

Delete selected

UID	Vessel flag	Vessel IOTC n...	Vessel name	Fishery type	Trip number	Trip start	Trip end	Num. fishing e...	Observer ID	Observer name	Status	Submitter ID	Submitter name	Submission date
475dd0d9-...	Japan	IOTC001246	SUMIYOSHI MA...	Longline	ID201419	2014/05/11	2014/08/07	0	IOTCJPN005	LARASE UDIN	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd07e-...	Japan	IOTC001662	TAIYO MARU N...	Longline	IE201506	2015/06/12	2015/08/08	0	----	SANJOYO PAR...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd09d-...	Japan	IOTC003829	HINODE MARU ...	Longline	IE201511	2015/05/12	----	0	----	PUJIYANTO URIP	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0ea-...	Japan	IOTC001342	MATSUEI MARU ...	Longline	IE201517	----	2015/09/23	0	IOTCJPN012	SUPRAPTONO ...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd003-...	Japan	IOTC001357	TAIYO MARU N...	Longline	IE201519	2015/03/23	2015/07/06	1	----	ANDRIANTO IW...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0f0-...	Japan	IOTC001431	KYOSHIN MAR...	Longline	IE201521	2015/03/07	----	1	----	RIYADI SLAMET	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd093-...	Japan	IOTC001260	MATSUEI MARU...	Longline	ID201418	2014/08/28	2014/09/23	22	----	ANDRIANTO IW...	FINALIZED	----	Dr. Tsutomu Na...	2020/01/22 15:...
7c790974-...	Japan	IOTC014096	KORYO MARU ...	Longline	----	2020/01/01	2020/02/01	2	IOTCJPN001	Mitsuo CHIBA	INCOMPLETE	----	----	----

2020-02-12 17:04:33 : System initialized

User: POINT JPN FOCAL

Country: JPN / Japan

Current timezone: Gulf Standard Time - Asia/Muscat

Idle

1. Main menu [File / Database / Selection / View / Settings / Help]

2. Trip data management actions [Import / Submit / Refresh / Delete]

3. Summary of local information [users can select one or more of the trips shown]

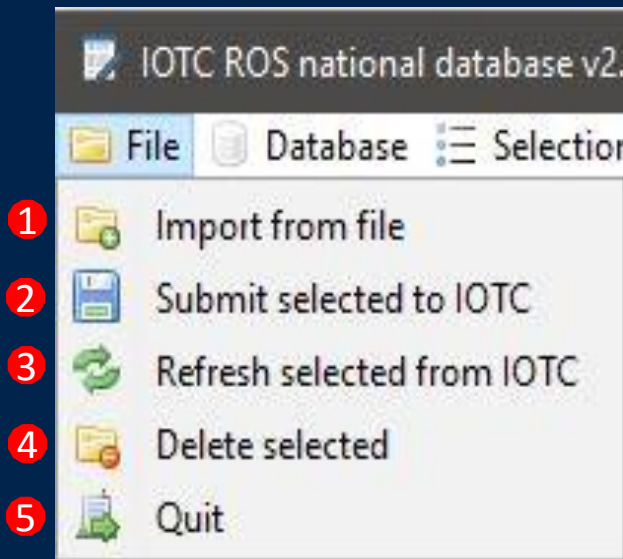
4. Log panel [Displays process and debug information]

5. Status panel [Shows basic information for the currently logged user]

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File menu



* Requires stable Internet connectivity to communicate with the ROS regional DB

† Performs the corresponding actions on all records **explicitly** selected in the dashboard

1. **Import from file** – allows users to select one or more trip data (i.e. .ros files produced by national observers through the ROS e-collection tool) to be imported in the local database;
2. **Submit selected to IOTC** – submits local information (trip data) to the IOTC ROS regional database*†
3. **Refresh selected from IOTC** – refreshes the status of local trip data with the latest information for the same trip data as currently available in the IOTC ROS regional database*†
4. **Delete selected** – deletes trip data from the local database †
5. **Quit** – asks user confirmation before closing the application





Trip data management actions

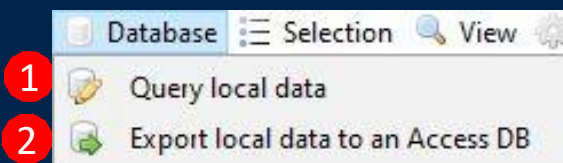
<div> 1 Import from file 2 Submit selected to IOTC 3 Refresh selected from IOTC 4 Delete selected </div>							
UID	Vessel flag	Vessel IOTC n...	Vessel name	Fishery type	Trip number	Trip start	Trip end
475dd0d9-...	Japan	IOTC001246	SUMIYOSHI MA...	Longline	ID201419	2014/05/11	2014/08/07
475dd07e-...	Japan	IOTC001662	TAIYO MARU N...	Longline	IE201506	2015/06/12	2015/08/08
475dd09d-...	Japan	IOTC003829	HINODE MARU ...	Longline	IE201511	2015/05/12	----
475dd0ea-...	Japan	IOTC001342	MATSUEI MARU...	Longline	IE201517	----	2015/09/23
475dd003-...	Japan	IOTC001357	TAIYO MARU N...	Longline	IE201519	2015/03/23	2015/07/06

- Additional user controls implementing the same main actions as the *File* menu (see previous slide) but in a more accessible way;
- The action of submitting local trip data to (2) or refreshing its content from (3) the IOTC ROS regional database, as well as deleting trip data from the local database (4) is only performed on the trip data selected in the summary table (rows highlighted in blue);
- Trip data selection can be **sequential** (click on one row, then *SHIFT* + click on another row to highlight all rows included between the two) or **random** (click + *CTRL* on any row)





Database menu



1. **Query local data** – allows users to select one or more queries to extract metrics from the content of the local database as well as design new metrics and queries for additional data analysis (more on this later);

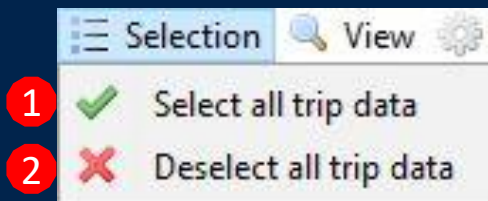
2. **Export local data to an Access DB** – produces a copy of the local database (including its current content) as a Microsoft Access DB and automatically opens the resulting file (on Windows machines only)

ID	CREATION_TIME	FINALIZATION_TIME	ORIGINATOR	ORIGINATOR	ROS_CODEL	ROS_MODEL	SOURCE	STATUS	SUBMISSION_TIME	UID	CREATOR_E	SUBMITTER
1	19/08/2019 15:54:05	19/08/2019 15:54:05	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:39:35	475d909-310f		1
2	19/08/2019 15:55:13	19/08/2019 15:55:13	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:39:30	475d907e-50ef		3
3	19/08/2019 15:55:13	19/08/2019 15:55:13	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:39:37	475d909d-94ac		4
4	19/08/2019 15:55:13	19/08/2019 15:55:13	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:39:31	475d909a-1346		5
5	19/08/2019 15:55:16	19/08/2019 15:55:16	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:39:38	475d9093-860f		6
6	19/08/2019 15:55:16	19/08/2019 15:55:16	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	SUBMITTED	12/02/2020 13:40:55	475d909f-dc0d		7
7	19/08/2019 15:54:01	22/01/2020 15:50:05	ROS-eTools	NOT SET	2.1.2	2.1.2	ROS_O	FINALIZED	22/01/2020 15:50:04	475d9093-4131		8
8	04/02/2020		ROS-eTools/CollectionInterface	2.1.4	2.1.3	2.1.3	ROS_E	INCOMPLETE		7c790918-361b		10





Selection and View menus



1. **Select all trip data** –selects all records in the summary table;
2. **Deselect all trip data** – deselects all records in the summary table;

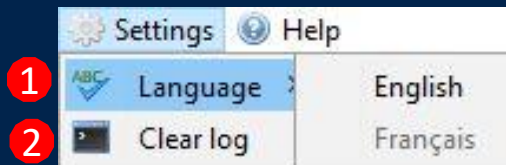


1. **Metadata / Show** – displays additional metadata in the summary table (e.g. originator / originator version / codelist version / model version etc.);
2. **Metadata / Hide** – hides all additional metadata from display in the summary table;

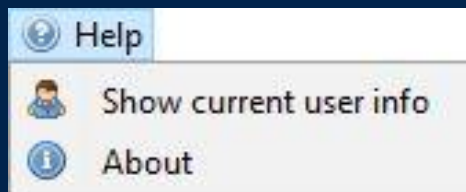




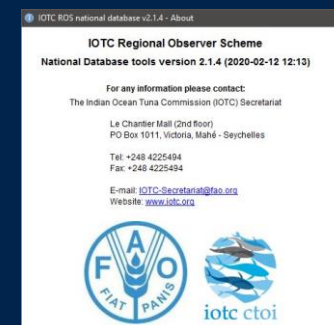
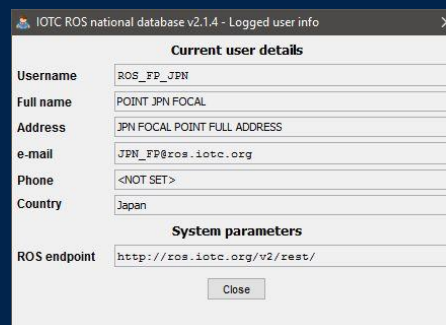
Settings and Help menus



1. Language / English / French – selects either of the two as the language to be used for the user interface (only English is implemented in version 2.1.4);
2. Clear log – removes all messages from the log panel;



1. Show current user info – displays all personal information (username, full name, contact details) of currently logged user as well as the remote endpoint used to communicate with the ROS regional DB;
2. About – shows the 'About' page of the application;





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Data summary table

IOTC ROS national database v2.1.4														
File Database Selection View Settings Help														
Trip data: Import from file Submit selected to IOTC Refresh selected from IOTC Delete selected														
UID	Vessel flag	Vessel IOTC n...	Vessel name	Fishery type	Trip number	Trip start	Trip end	Num. fishing e...	Observer ID	Observer name	Status	Submitter ID	Submitter name	Submission date
475dd0d9-...	Japan	IOTC001246	SUMIYOSHI MA...	Longline	ID201419	2014/05/11	2014/08/07	0	IOTCJPN005	LARASE UDIN	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd07e-...	Japan	IOTC001662	TAIYO MARU N...	Longline	IE201506	2015/06/12	2015/08/08	0	----	SANJOYO PAR...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd09d-...	Japan	IOTC003829	HINODE MARU ...	Longline	IE201511	2015/05/12	----	0	----	PUJIYANTO URIP	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0ea-...	Japan	IOTC001342	MATSUEI MARU...	Longline	IE201517	----	2015/09/23	0	IOTCJPN012	SUPRAPTONO ...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd003-...	Japan	IOTC001357	TAIYO MARU N...	Longline	IE201519	2015/03/23	2015/07/06	1	----	ANDRIANTO IW...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0f0-...	Japan	IOTC001431	KYOSHIN MAR...	Longline	IE201521	2015/03/07	----	1	----	RIYADI SLAMET	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd093-...	Japan	IOTC001260	MATSUEI MARU...	Longline	ID201418	2014/08/28	2014/09/23	22	----	ANDRIANTO IW...	FINALIZED	----	Dr. Tsutomu Nis...	2020/01/22 15:...
7c790974-...	Japan	IOTC014096	KORYO MARU ...	Longline	----	2020/01/01	2020/02/01	2	IOTCJPN001	Mitsuo CHIBA	INCOMPLETE	----	----	----

1 2 3 4 5 6 7 8 9 A B C D E F

- | | | | | | |
|------------------------|---|----------------|-----------------------------|---|---------------------------|
| 1. Trip UID; | } | Internal | 9. Number of fishing events | } | Trip details |
| 2. Vessel flag; | | | | | |
| 3. Vessel IOTC number; | } | Vessel details | A. Observer ID | } | Observer details |
| 4. Vessel name; | | | | | |
| 5. Fishery type; | } | Trip details | B. Observer name | } | Status of the information |
| 6. Trip number | | | | | |
| 7. Trip start date | } | | C. Trip data status | } | |
| 8. Trip end date | | | | | |
| | | | D. Submitter ID | | |
| | | | E. Submitter name | | |
| | | | F. Submission date | | |



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Data summary table

IOTC ROS national database v2.1.4

File Database Selection View Settings Help

Trip data: Import from file Submit selected to IOTC Refresh selected from IOTC Delete selected

UID	Vessel flag	Vessel IOTC n...	Vessel name	Fishery type	Trip number	Trip start	Trip end	Num. fishing e...	Observer ID	Observer name	Status	Submitter ID	Submitter name	Submission date
475dd0d9-...	Japan	IOTC001246	SUMIYOSHI MA...	Longline	ID201419	2014/05/11	2014/08/07	0	IOTCJPN005	LARASE UDIN	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd07e-...	Japan	IOTC001662	TAIYO MARU N...	Longline	IE201506	2015/06/12	2015/08/08	0	----	SANJOYO PAR...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd09d-...	Japan	IOTC003829	HINODE MARU ...	Longline	IE201511	2015/05/12	----	0	----	PUJIYANTO URIP	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0ea-...	Japan	IOTC001342	MATSUEI MARU...	Longline	IE201517	----	2015/09/23	0	IOTCJPN012	SUPRAPTONO ...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd003-...	Japan	IOTC001357	TAIYO MARU N...	Longline	IE201519	2015/03/23	2015/07/06	1	----	ANDRIANTO IW...	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd0f0-...	Japan	IOTC001431	KYOSHIN MAR...	Longline	IE201521	2015/03/07	----	1	----	RIYADI SLAMET	SUBMITTED	ROS_FP_JPN	POINT, JPN FOC...	2020/02/12 13:...
475dd093-...	Japan	IOTC001260	MATSUEI MARU...	Longline	ID201418	2014/08/28	2014/09/23	22	----	ANDRIANTO IW...	FINALIZED	----	Dr. Tsutomu Nis...	2020/01/22 15:...
7c790974-...	Japan	IOTC014096	KORYO MARU ...	Longline	----	2020/01/01	2020/02/01	2	IOTCJPN001	Mitsuo CHIBA	INCOMPLETE	----	----	----

- Column widths changed by *clicking and dragging the borders of the column headers*;
- Rows sorted in ascending / descending order by *alternatively clicking on the column headers*;
- Continuous / random selection of records performed by *shift-clicking on two rows or by control-clicking on multiple rows*;
- Rows with dark blue background correspond to trip data that are in the local database **and** in the ROS regional database, where they have been marked as *FINALIZED* and therefore *cannot be changed through the ROS national database*;





Querying local data

The screenshot shows the 'Data browser' window of the IOTC ROS national data 2.1.4 application. The interface includes a menu bar with options: 'Create a new query', 'Edit current query', 'Delete current query', 'Import queries', and 'Export current queries'. A dropdown menu is open under 'Please select a data extraction query', listing options such as 'Catches monthly summary', 'Catches yearly summary', 'Efforts monthly summary', 'Efforts yearly summary', 'Monthly catch-and-effort', 'Monthly catches', and 'Monthly efforts'. A status bar at the bottom displays 'Num. records: ---' and 'Elapsed (ms): ---'. Red numbered callouts (1-9) point to specific UI elements: 1 points to the query selector dropdown, 2 points to the 'Export current data to CSV' button, 3 points to the 'No query selected' status, 4 points to the 'Create a new query' button, 5 points to the 'Edit current query' button, 6 points to the 'Delete current query' button, 7 points to the 'Import queries' button, 8 points to the 'Export current queries' button, and 9 points to the status bar.

1. Query selector;
2. To export query result as CSV file;
3. The selected query description;
4. To create a new query [advanced users]
5. To edit current query [advanced users]
6. To delete current query [advanced users]
7. To import queries
8. To export current queries
9. General information (status of the process, num. records returned, time elapsed)





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Querying local data - results

4 IOTC ROS national data 5 2.1.4 - Data browser 6 7 8

1 Create a new query 2 Edit current query 3 Delete current query 4 Import queries 5 Export current queries 6 Idle

1 Monthly catches 2 Export current data to CSV 3 Catches by operation type / year / month / grid / species and catch type 4 Num. records: 52 Elapsed (ms): 1620

Row #	Operation type	Year	Month	Grid	Species code	Species name	Iotc species	Type	Catch quantity	Catch unit
1	LL	2014	8	6215055	ALB	Albacore	<input checked="" type="checkbox"/>	RC	1.0	NO
2	LL	2014	8	6215055	BET	Bigeye tuna	<input checked="" type="checkbox"/>	RC	7.0	NO
3	LL	2014	8	6215055	BSH	Blue shark	<input type="checkbox"/>	RC	1.0	NO
4	LL	2014	8	6215055	LAG	Opah	<input type="checkbox"/>	RC	1.0	NO
5	LL	2014	8	6215055	WAH	Wahoo	<input type="checkbox"/>	RC	3.0	NO
6	LL	2014	8	6215055	YFT	Yellowfin tuna	<input checked="" type="checkbox"/>	RC	64.0	NO
7	LL	2014	9	6210055	AG00	Unknown	<input type="checkbox"/>	RC	1.0	NO
8	LL	2014	9	6210055	ALB	Albacore	<input checked="" type="checkbox"/>	RC	120.0	NO
9	LL	2014	9	6210055	BET	Bigeye tuna	<input checked="" type="checkbox"/>	RC	56.0	NO
10	LL	2014	9	6210055	BSH	Blue shark	<input type="checkbox"/>	RC	13.0	NO
11	LL	2014	9	6210055	DOL	Common dolphin	<input type="checkbox"/>	RC	7.0	NO
12	LL	2014	9	6210055	LEC	Escolar	<input type="checkbox"/>	RC	51.0	NO
13	LL	2014	9	6210055	OIL	Oilfish	<input type="checkbox"/>	RC	4.0	NO
14	LL	2014	9	6210055	SFA	Indo-Pacific sailfish	<input checked="" type="checkbox"/>	RC	1.0	NO
15	LL	2014	9	6210055	SKJ	Skipjack tuna	<input checked="" type="checkbox"/>	RC	6.0	NO
16	LL	2014	9	6210055	SMA	Shortfin mako	<input type="checkbox"/>	RC	1.0	NO
17	LL	2014	9	6210055	SSP	Short-billed spearfish	<input type="checkbox"/>	RC	1.0	NO
18	LL	2014	9	6210055	SWO	Swordfish	<input checked="" type="checkbox"/>	RC	3.0	NO
19	LL	2014	9	6210055	TST	Sickle pomfret	<input type="checkbox"/>	RC	10.0	NO
20	LL	2014	9	6210055	WAH	Wahoo	<input type="checkbox"/>	RC	22.0	NO
21	LL	2014	9	6210055	YFT	Yellowfin tuna	<input checked="" type="checkbox"/>	RC	138.0	NO
22	LL	2014	9	6210060	ALB	Albacore	<input checked="" type="checkbox"/>	RC	31.0	NO
23	LL	2014	9	6210060	BET	Bigeye tuna	<input checked="" type="checkbox"/>	RC	30.0	NO
24	LL	2014	9	6210060	BSH	Blue shark	<input type="checkbox"/>	RC	2.0	NO
25	LL	2014	9	6210060	LAG	Opah	<input type="checkbox"/>	RC	5.0	NO
26	LL	2014	9	6210060	LEC	Escolar	<input type="checkbox"/>	RC	11.0	NO
27	LL	2014	9	6210060	MLS	Striped marlin	<input checked="" type="checkbox"/>	RC	1.0	NO
28	LL	2014	9	6210060	SFA	Indo-Pacific sailfish	<input checked="" type="checkbox"/>	RC	1.0	NO
29	LL	2014	9	6210060	SKJ	Skipjack tuna	<input checked="" type="checkbox"/>	RC	1.0	NO
30	LL	2014	9	6210060	SSP	Short-billed spearfish	<input type="checkbox"/>	RC	1.0	NO
31	LL	2014	9	6210060	SWO	Swordfish	<input checked="" type="checkbox"/>	RC	1.0	NO
32	LL	2014	9	6210060	TST	Sickle pomfret	<input type="checkbox"/>	RC	2.0	NO
33	LL	2014	9	6210060	WAH	Wahoo	<input type="checkbox"/>	RC	14.0	NO
34	LL	2014	9	6210060	YFT	Yellowfin tuna	<input checked="" type="checkbox"/>	RC	90.0	NO
35	LL	2014	9	6215055	ALB	Albacore	<input checked="" type="checkbox"/>	RC	100.0	NO
36	LL	2014	9	6215055	BET	Bigeye tuna	<input checked="" type="checkbox"/>	RC	63.0	NO
37	LL	2014	9	6215055	BSH	Blue shark	<input type="checkbox"/>	RC	18.0	NO
38	LL	2014	9	6215055	DOL	Common dolphin	<input type="checkbox"/>	RC	4.0	NO
39	LL	2014	9	6215055	LAG	Opah	<input type="checkbox"/>	RC	3.0	NO



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Querying local data - results

The screenshot shows the 'Data browser' window of the IOTC system. It features a top toolbar with buttons for 'Create a new query', 'Edit current query', 'Delete current query', 'Import queries', and 'Export current queries'. Below the toolbar is a 'Trips summary' section with a dropdown menu and an 'Export current data to CSV' button. To the right of this section, there are fields for 'Num. records' (8) and 'Elapsed (ms)' (15). The main area of the window displays a table of trip data with 17 columns: Row #, Trip finaliz..., Trip submis..., Fishing op..., Observer i..., Observer ..., Observer i..., Observer ..., Vessel iotc..., Main gear ..., Main gear, Vessel flag, Vessel dep..., Vessel dep..., Vessel dep..., Vessel retu..., Vessel retu..., and Vessel ret... The table contains 8 rows of data, with the last row being an 'OPEN' trip.

Row #	Trip finaliz...	Trip submis...	Fishing op...	Observer i...	Observer ...	Observer i...	Observer ...	Vessel iotc ...	Main gear ...	Main gear	Vessel flag	Vessel dep...	Vessel dep...	Vessel dep...	Vessel retu...	Vessel retu...	Vessel ret...
1	CLOSED	SUBMITTED	LL	IOTCJPN005	IDN	2014/04/29	2014/08/08	IOTC001246	TPS	Tuna purse ...	JPN	2014/05/11	Cape Town	ZAF	2014/08/07	Cape Town	ZAF
2	CLOSED	SUBMITTED	LL	----	IDN	2015/06/08	2015/08/08	IOTC001662	TPS	Tuna purse ...	JPN	2015/06/12	Cape Town	ZAF	2015/08/08	----	----
3	CLOSED	SUBMITTED	LL	----	IDN	2015/07/02	2015/08/14	IOTC003829	TPS	Tuna purse ...	JPN	2015/05/12	Cape Town	ZAF	----	----	----
4	CLOSED	SUBMITTED	LL	IOTCJPN012	IDN	2015/06/04	2015/09/24	IOTC001342	TPS	Tuna purse ...	JPN	----	----	----	2015/09/23	----	----
5	CLOSED	SUBMITTED	LL	----	IDN	2015/05/16	2015/07/06	IOTC001357	TPS	Tuna purse ...	JPN	2015/03/23	Kesennuma	JPN	2015/07/06	Balboa	PAN
6	CLOSED	SUBMITTED	LL	----	IDN	2015/05/12	2015/09/08	IOTC001431	TPS	Tuna purse ...	JPN	2015/03/07	----	----	----	----	----
7	CLOSED	SUBMITTED	LL	----	IDN	2014/08/22	2014/09/23	IOTC001260	TPS	Tuna purse ...	JPN	2014/08/28	----	----	2014/09/23	----	----
8	OPEN	SUBMITTED	LL	IOTCJPN001	JPN	2019/12/31	2020/02/03	IOTC014096	DLL	Drifting longli...	JPN	2020/01/01	Balohan	IDN	2020/02/01	Port Louis	MUS

1. Query selector;
2. To export query result as CSV file;
3. The selected query description;
4. To create a new query [advanced users]
5. To edit current query [advanced users]
6. To delete current query [advanced users]
7. To import queries
8. To export current queries
9. General information (status of the process, num. records returned, time elapsed)



Querying local data – advanced users

IOTC ROS national database v2.1.4 - Edit user defined query

Label **1** Monthly catches

Description **2** Catches by operation type / year / month / grid / species and catch type

SQL statement **3**

```
SELECT
    FISHING_OPERATION_TYPE AS OPERATION_TYPE,
    YEAR,
    MONTH,
    GRID,
    SPECIES AS SPECIES_CODE,
    S.NAME_EN AS SPECIES_NAME,
    S.IS_IOTC_SPECIES AS IOTC_SPECIES,
    TYPE,
    QUANTITY AS CATCH_QUANTITY,
    UNIT AS CATCH_UNIT
FROM
    V_CATCHES_M
INNER JOIN
    CL_SPECIES S
ON
    V_CATCHES_M.SPECIES = S.CODE
ORDER BY
    FISHING_OPERATION_TYPE, YEAR, MONTH, GRID, SPECIES, TYPE, UNIT
```

1. Query label;
2. Query description;
3. SQL statement;
4. To test if the query is correctly written;
5. To save the query and make it available in the query selector;
6. To erase all fields (label / description / SQL statement)

4 Test query **5** Save query **6** Clear data





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Querying local data – advanced users

Query label

Catches monthly summary
Catches yearly summary
Efforts monthly summary
Efforts yearly summary
Monthly catch-and-effort
Monthly catches
Monthly efforts
Size-frequency data - all
Size-frequency data - discards only
Size-frequency data - retained only
Size-frequency data monthly summary - all
Size-frequency data monthly summary - discards only
Size-frequency data monthly summary - retained only
Size-frequency data total summary - all
Size-frequency data total summary - discards only
Size-frequency data total summary - retained only
Size-frequency data yearly summary - all
Size-frequency data yearly summary - discards only
Size-frequency data yearly summary - retained only
Trips summary
Trips yearly summary

Query description

Catches by operation type / year / month / species / type
Catches by operation type / year / species / type
Efforts by operation type / year / month
Efforts by operation type / year
Catch-and-effort by operation type / year / month / grid / effort unit / species and catch type
Catches by operation type / year / month / grid / species and catch type
Efforts by operation type / year / month / grid
All recorded size-frequency data by year, month, grid
All discards size-frequency data by year, month, grid
All retained size-frequency data by year, month, grid
Summarized size-frequency data by year, month, species and measure type
Summarized size-frequency data for discarded catches by year, month, species and measure type
Summarized size-frequency data for retained catches by year, month, species and measure type
Summarized size-frequency data by species and measure type
Summarized size-frequency data for discarded catches by species and measure type
Summarized size-frequency data for retained catches by species and measure type
Summarized size-frequency data by year, species and measure type
Summarized size-frequency data for discarded catches by year, species and measure type
Summarized size-frequency data for retained catches by year, species and measure type
Provides an overview of currently stored trips
Provides an overview of currently stored trips by operation type / year / vessel flag and type



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Querying local data – advanced users

- The 21 currently predefined queries permit the extraction of several basic metrics from all observer data locally available;
- Far from being exhaustive, they represent a starting point for advanced users to understand how the information can be processed and analysed once stored within the ROS national database;
- The IOTC Secretariat expects to gather additional feedback from all ROS national focal points in terms of additional metrics or queries that might be added to the predefined list;
- Additional queries can be shared as XML files and seamlessly imported in the ROS National database.





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How to upload an Observer trip

1. Click on the launch icon to open the National Database

2. Login using your personal user credentials

once identified and redirected to the main workspace

3. Click Import from file to import data (*received as .ros file*)



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How to check trip observations

Go to Database menu:

1. Click on the **Export local data to an Access DB** button, to produces a copy of the local database in Microsoft Access and crosscheck trip data for any incoherence.
2. Click on the Query local data, to select, export query results as CSV file, create, edit, delete, import and export queries (advanced users). Crosscheck data for any incoherence



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How to manage and correct errors found

1. Make a list of errors and incoherence's identified during data checking
2. Open the e-collection tool, import the *.ros* file and makes the required changes (or ask observer to do it)
3. Once done, re-import the corrected *.ros* data into the national DB and check again
4. If all OK, select trip and click on 'Submit selected to IOTC' to submit trip data to the IOTC ROS regional DB





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THANK YOU FOR YOUR PARTICIPATION



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