



TG BALLAST 11-2020

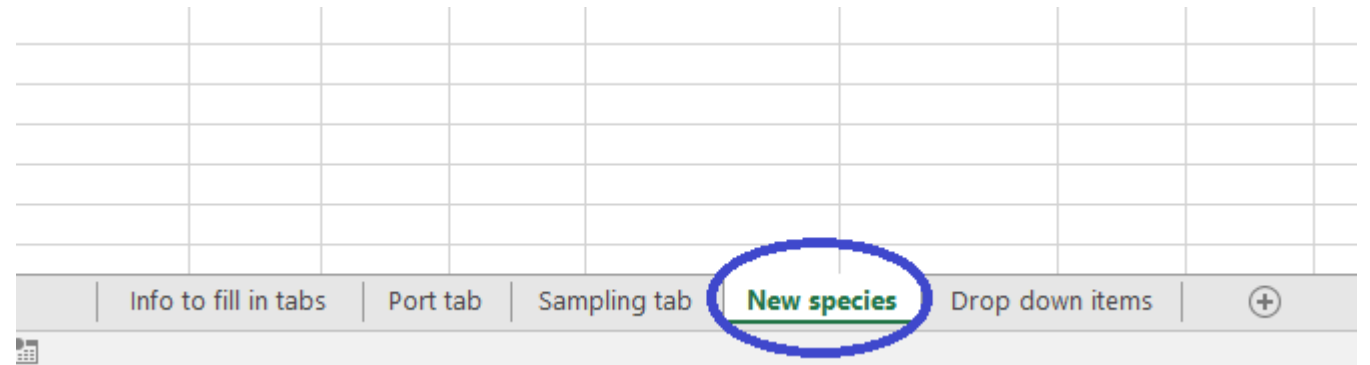
THURSDAY, 26 NOVEMBER 2020

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Port survey data submission

- RA tool template needed modifications to ensure accuracy and facilitate management of the data (Annex 1, Doc 0501)
- Quality control for New species find during Surveys
- Developed a New Species tab in the template



Port survey data submission


- New species added manually together with a taxonomical ID
 - From WoRMS database when available

| A | B | C | D | E | F | G |
|-----------------|----------|----------|----------|-----------------|---------------|---|
| SCIENTIFIC_NAME | APHIA_ID | ITIS_TSN | OTHER_ID | SOURCE_OTHER_ID | SPECIES_GROUP | |
| | | | | | | |
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Port survey data submission

- New species added manually together with a taxonomical ID
 - When unaccepted species name users are asked to use the accepted name suggested by WoRMS instead



The screenshot shows the WoRMS website interface. At the top is the WoRMS logo with the text "World Register of Marine Species". Below the logo is a search bar with the placeholder text "Quick search..." and a settings icon. The main content area is titled "WoRMS name details" and displays information for the species *Mya (Arenomya) arenaria* Linnaeus, 1758. The details include the AphiaID (1391323), classification (Biota > Animalia > Mollusca > Myida > Myoidea), status (unaccepted), and accepted name (*Mya arenaria* Linnaeus, 1758).

WoRMS
World Register of Marine Species

Quick search... 

WoRMS name details

★ *Mya (Arenomya) arenaria* Linnaeus, 1758

AphiaID 1391323 (urn:lsid:marinespecies.org:taxname:1391323)

Classification Biota > ★ *Animalia* (Kingdom) > ★ *Mollusca* (Phylum) > ★ *Myida* (Order) > ★ *Myoidea* (Superfamily) > ★ *M*

Status ✖ unaccepted

Accepted Name ★ *Mya arenaria* Linnaeus, 1758

Rank Species

Port survey data submission

- New species added manually together with a taxonomical ID
 - When unaccepted species name users are asked to use the accepted name suggested by WoRMS instead



The screenshot shows the WoRMS (World Register of Marine Species) website. The header features the WoRMS logo and a search bar. Below the header, the page title is "WoRMS taxon details". The main content displays the species name **★ *Mya arenaria* Linnaeus, 1758**. The AphiaID is 140430, which is circled in orange. The classification path is: Biota > ★ Animalia (Kingdom) > ★ Mollusca (Phylum) > ★ Myida (Order) > ★ Myoidea (Superfamily) > ★ *Mya* (Genus). The status is "accepted" and the rank is "Species".

| | |
|----------------|---|
| AphiaID | 140430 (urn:lsid:marinespecies.org:taxname:140430) |
| Classification | Biota > ★ Animalia (Kingdom) > ★ Mollusca (Phylum) > ★ Myida (Order) > ★ Myoidea (Superfamily) > ★ <i>Mya</i> (Genus) |
| Status | accepted |
| Rank | Species |

Port survey data submission

- New species added manually together with a taxonomical ID
 - When WoRMS ID not available an alternative option (ITIS if available) has to be provided

| A | B | C | D | E | F | G |
|-----------------|----------|----------|----------|-----------------|---------------|---|
| SCIENTIFIC_NAME | APHIA_ID | ITIS_TSN | OTHER_ID | SOURCE_OTHER_ID | SPECIES_GROUP | |
| | | | | | | |
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Target species justification

- Justification of the TS list available in the RA tool
- https://maps.helcom.fi/website/RA_tool/

| Species name | Category | Salinity min | Salinity max | Health impact | Health impact source | Environmental impact | Environmental impact source | Economic impact | Economic impact source |
|---|---------------|--------------|--------------|--|--|---|--|-----------------|------------------------|
|  ... No filter applied | | | | | | | | | |
| Alexandrium acatenella | Target Joint | 10 | 40 | Responsible for creating 'red tides', it is a known paralytic shellfish poisoning (PSP) toxins-producing species. Toxin can affects humans | Hallegraef, G.M. 1998: https://www.int-res.com/abstracts/meps/v168/p297-309 | The PSP-toxins can affect and be found in mammals, fish, birds, molluscs and zooplankton. | Katsanevakis et al. 2014: http://dx.doi.org/10.3391/ai.2014.9.4.01 . Hallegraef, G.M. 1993: https://doi.org/10.2216/i10031-8884-32-2-79.1 | | |
| Alexandrium ostenfeldii | Target HELCOM | 5 | 21 | Responsible for creating 'red tides', it is a known paralytic shellfish poisoning (PSP) toxins-producing species. Toxin can affects humans | Algaebase: https://www.algaebase.org/search/species/detail/?species_id=q529ff15d22d1b5a4&distro=y#distro | The PSP-toxins can affect and be found in mammals, fish, birds, molluscs and zooplankton. | MacKenzie et al. 1996: https://doi.org/10.2216/i10031-8884-35-2-148.1 | | |
| | | | | | | Marked habitat alteration through | Katsanevakis et al. 2014: | | |



New functionalities of the RA tool web app

- Routes tab
 - A4 automatically generated in .pdf format
 - Message is displayed when data included in the risk assessment calculations are older than 5 year
 - When available only data ≤ 5 years are used for the risk assessment analyses
 - However, all available data can be consulted in the Data tab
 - information regarding the TS present in the route is displayed in a pop-up window



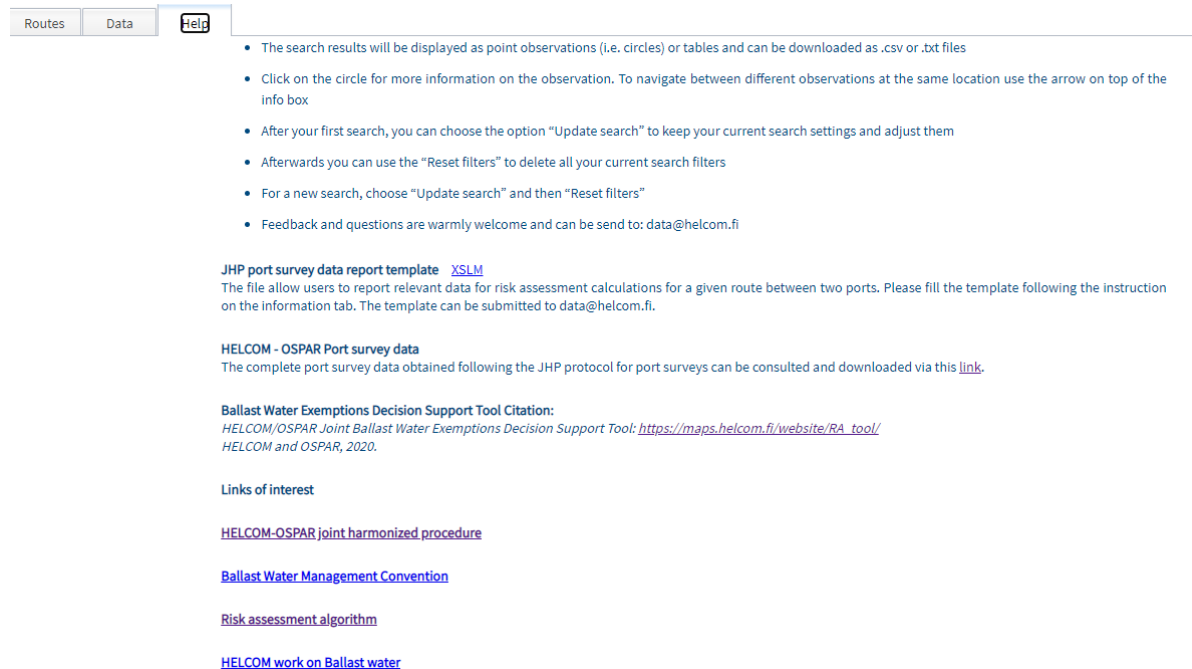
New functionalities of the RA tool web app

- Data tab: Search and GIS functionalities, and Link to AquaNIS
 - All data provided to the Secretariat are now available in the RA tool and can be used for Route risk assessment
 - Link to AquaNIS is finalized and the data of AquaNIS are now available in the Data tab under Search AquaNIS button.



New functionalities of the RA tool web app

- Additional Information displayed in the Help tab
 - Link to Port Survey Data archive
 - Citation of the RA tool
 - Link to the EWS developed by Klaipeda University



The screenshot shows the 'Help' tab selected in a navigation menu with 'Routes' and 'Data' options. The main content area contains the following text:

- The search results will be displayed as point observations (i.e. circles) or tables and can be downloaded as .csv or .txt files
- Click on the circle for more information on the observation. To navigate between different observations at the same location use the arrow on top of the info box
- After your first search, you can choose the option "Update search" to keep your current search settings and adjust them
- Afterwards you can use the "Reset filters" to delete all your current search filters
- For a new search, choose "Update search" and then "Reset filters"
- Feedback and questions are warmly welcome and can be send to: data@helcom.fi

JHP port survey data report template [XSLM](#)
The file allow users to report relevant data for risk assessment calculations for a given route between two ports. Please fill the template following the instruction on the information tab. The template can be submitted to data@helcom.fi.

HELCOM - OSPAR Port survey data
The complete port survey data obtained following the JHP protocol for port surveys can be consulted and downloaded via this [link](#).

Ballast Water Exemptions Decision Support Tool Citation:
*HELCOM/OSPAR Joint Ballast Water Exemptions Decision Support Tool: https://maps.helcom.fi/website/RA_tool/
HELCOM and OSPAR, 2020.*

Links of interest

- [HELCOM-OSPAR joint harmonized procedure](#)
- [Ballast Water Management Convention](#)
- [Risk assessment algorithm](#)
- [HELCOM work on Ballast water](#)



