



World Register of Marine Species: Steering Committee meeting

Flanders Marine Institute – Oostende, Belgium
16 June 2016

Participants:

Geoff Boxshall, Nicolas Bailly, Nicole Boury-Esnault, Serge Gofas, Tammy Horton, Michelle Klautau, Andreas Kroh, Gary Poore, Leen Vandepitte, Bart Vanhoorne, Wim Decock, Sofie Vranken, Stefanie Dekeyzer, Aaike Dewever

Remote participation: Gustav Paulay, Mark Costello, Sabine Stöhr

Apologies for absence: Jan Mees, Francisco Hernandez

The WoRMS Steering Committee meeting was hosted at the Flanders Marine Institute (VLIZ) at Oostende, Belgium. It was held back-to-back with the AquaRES user and follow-up committee meeting and an EMODnet Biology workshop dealing with marine species traits. The meeting was fully sponsored through LifeWatch Belgium, part of the E-Science European LifeWatch Infrastructure for Biodiversity and Ecosystem Research.

Reports on both back-to-back meetings are currently being prepared. They will be distributed to the SC once they are available.

Aaike Dewever attended the SC meeting as an observer. He is the data manager of the Freshwater Animal Diversity Assessment (FADA), hosted at the Royal Belgian Institute for Natural Sciences (KBIN) in Brussels.

WoRMS – reporting by DMT

The DMT presented an overview of the activities of the past six months. In addition, an overview of the planned (major) activities for 2016-2017 were given. These include e.g. completion of the environment flag for all available accepted species in WoRMS, incorporation of external databases on Platyhelminthes and Diplopoda and the development and launch of a number of new taxonomic portals.

A new call for LifeWatch workshops will be launched during the Summer, in continuation of the LifeWatch workshops that already took place in the first half of 2016. Due to a more limited budget, no data grants will be organized in 2016-2017.

A detailed report is available in appendix.

DiatomBase

Following earlier meeting with Koen Sabbe (Laboratory of Protistology and Aquatic Ecology – Ugent-PAE) and Patrick Kociolek (University of Colorado) (Summer 2015), a copy of the Catalogue of Diatom Names was sent to VLIZ by the people of the California Academy of Science (Spring 2016). Before starting the comparison and integration, Mike Guiry was informed on this initiative. Starting DiatomBase means WoRMS will no longer harvest diatom names from AlgaeBase. Response from Mike Guiry – after additional emails with Pat Kociolek - was positive. AlgaeBase and DiatomBase will work together where and when this is possible. Both parties also recognize that each other's initiatives stand alone and can serve different purposes.

First DMT action will start over the Summer, by comparing the Catalogue content with what is currently available in Aphia. Mismatches will be sent to both AlgaeBase and Pat, allowing a collaboration in cleaning efforts.

The DMT will also attend the International Diatom Symposium (August), where Pat will officially present DiatomBase. Many of the future diatom editors will be present there, offering the DMT the opportunity for a first contact.

ACTIONS

- DMT to compare Catalogue of Diatom Names to existing diatom information (Summer 2016)
- DMT to inform AlgaeBase & DiatomBase of the differences (Summer 2016)
- DMT to set up a DiatomBase portal (early 2017)

Ostracoda – Kempf database

Prior to the SC meeting, the DMT has sent out a number of documents related to the LifeWatch data grant of 2012 with Simone Brandao and subsequent communication between the DMT and Simone & the DMT and Eugen Kempf.

The situation was discussed openly within the SC, allowing everyone to give input and their opinion on the matter. It was agreed that the approval of the original data grant proposal (in the framework of LifeWatch, by LifeWatch people) looked at it from the points of legality and possible outcomes for WoRMS. Errors have however been made, as there is no attribution to the works of Kempf from which the majority of information seems to be extracted. The DMT also reported on the Ostracoda workshop and the input of Renate Matzke-Karasz and how other Ostracoda editors responded to the situation.

It was decided by the SC to place the +/- 36.000 Ostracoda species that were uploaded during this specific LifeWatch grant in quarantine, allowing the WoRMS community to properly deal with them. A letter would be written to Eugen Kempf to inform him on this SC decision. The letter would stress again that all previous proposals made by VLIZ to him for collaboration are still valid.

Renate had proposed to organize a meeting with herself, Finn Vieberg, Eugen Kempf and one or more representatives of WoRMS. Both Geoff Boxshall and Andreas Kroh have volunteered to accompany a DMT member to this meeting. Renate will be contacted and a date for this meeting (in Cologne) will be fixed. Due to holidays and availability of people, this meeting will probably be organized in autumn.

ACTIONS

- Geoff Boxshall to inform Eugen Kempf on the actions that will be taken (done)
- DMT to take offline all Ostracoda species that were uploaded in bulk, as a result of the LifeWatch data grant (done)
- Geoff Boxshall to contact Renate Matzke-Karasz and to inform her on the outcomes of the WoRMS SC discussion regarding the Kempf situation (as quickly as possible)
- Geoff Boxshall to inform Simone Nunes-Brandao on the above outcomes and actions (done)
- Geoff Boxshall/Simone/DMT to inform all Ostracoda editors on the above outcomes and actions (done)
- DMT to contact Renate to positively respond to the suggestion to meet with herself, Finn Vieberg & Eugen Kemp (summer 2016)
- DMT – accompanied by Geoff Boxshall and/or Andreas Kroh to attend meeting with above mentioned people (autumn 2016)
- Members of the SC to be involved in the approval of future data grants that add information to WoRMS.

Contexts in WoRMS

An email discussion emerged prior to the SC meeting, on the use of contexts and how this influences which information is shown through which portals. The discussion was picked up during the meeting, and some solutions were formulated.

A specific problem had to do with original descriptions, which do not automatically show everywhere. The DMT will make sure that this issue gets fixed, by showing sources everywhere. Sources will thus be context-independent. For other information, this is not possible to automate: a lot of information is context-specific and editors do not want it to show up everywhere. It should, however, be easier to link specific information to a certain context. The DMT has promised to look into this.

ACTIONS

- DMT to make source context-independent (cfr. original descriptions) (summer 2016)
- DMT to add and [add context] button, which will give an easy-to-use drop-down list of the available contexts (summer 2016)

Relation of WoRMS with other data systems and/or projects

A suggestion was made that the DMT should not carry sole responsibility for setting up a Memorandum of Understanding (MoU) between WoRMS and another party. It was agreed that individual SC members should take over responsibilities for MoU negotiations together with Tjess and the DMT.

EMODnet Biology

The DMT provided an update on the traits information being collected within the Aphia database. This information is being collected – where possible – in collaboration with the WoRMS editors.

The DMT briefly presented the new thematic ‘Marine Species Traits’ portal, which will soon be launched. A brief discussion was held on how this portal should be cited. It was agreed that a general citation is most suited, but that all involved people should be listed on a separate page.

Agreed upon citation:

Marine Species Traits Editorial Board (2016). Marine Species Traits. Available from <http://www.marinespecies.org/traits> at VLIZ. Accessed on [YYYY-MM-DD].

FADA – WoRMS

In the framework of the AquaRES project – Aquatic Species Register Exchange and Services – FADA and WoRMS collaborated to develop new tools and functionalities and to avoid duplication of efforts in maintaining databases. FADA is the Freshwater Animal Diversity Assessment, focusing on the compilation of a species register for freshwater animals.

The project will come to end in August 2016, but VLIZ and OD Nature – the host institutes of the respective databases – want to continue their collaboration. To establish this, a Memorandum of Understanding will be drawn up between the host institutes, allowing for further exchange of data and expertise towards the future and to avoid duplication of efforts for editors involved in both data systems.

The aim is to have the MoU signed by the end of 2016.

WoRMS - ITIS

Earlier this year, one of the DMT members met with the data manager of ITIS (Tom Orrell) in the framework of a Catalogue of Life meeting.

ITIS expressed interest in signing an MoU between ITIS and WoRMS, as a number of the WoRMS editors are also involved in ITIS and a limited number of lists from WoRMS has already been made available through ITIS too (upon request of the involved editors).

So far, ITIS has taken data from the Asterozoa, Holothurozoa and Hemichordata World Registers. In all cases, they have re-evaluated the content, leaving small differences between the WoRMS and ITIS versions of the lists.

Joel Hallan – Biology Catalog

There has been earlier communication between Joel Hallan, the DMT and Geoff Boxshall. Joel is requesting access to the WoRMS content to feed his own Catalog (<http://bug.tamu.edu/research/collection/hallan/>), but is refusing to go through the official channels: to either complete the download form (which prohibits further distribution) or to set up a specific MoU with him, enabling him to show WoRMS content on his website.

Joel refers to long-ago communication with Ward Appeltans, who purportedly had agreed with Joel to have a copy of WoRMS. No signed/official documents can be found in relation to this. Geoff Boxshall has been involved in communication with Joel.

The SC briefly discussed the matter, agreeing that everyone should follow the current procedures in place when they want access to a copy of the database.

FishBase – SeaLifeBase: Life Traits

FishBase started in 1990, SeaLifeBase started in 2005. Both databases have been set up to store life traits including distribution information. Up to now, WoRMS has emphasized taxonomy, and a bit less distribution.

In the context of EMODnet and LifeWatch, FishBase has already provided maximal lengths of species to WoRMS, and a web service is being tested to collect the names. But as discussed in Crete (June 2015), a Memorandum of Understanding should be discussed to develop further the collaboration and exchange of data. It will avoid duplication of work as both databases are well advanced. However, both databases use different control vocabulary, making simple data exchange a bit more tricky.

A collaboration between these three databases (WoRMS, FishBase and SealifeBase) would be a good opportunity for quality control as well for cross-checking the datasets (especially for those lacking active editors).

Catalogue of Life

For several marine groups, Catalogue of Life still has an old version URMO (UNESCO Register of Marine Organisms). After a comparison of URMO, ITIS, and WoRMS, Nicolas, as Chair of the Taxonomy Group of CoL, has sent a list of groups to the DMT to check if WoRMS could deliver these groups in replacement to URMO. *[Done, Leen has replied that all the groups listed could be delivered. Leen will follow up with Yuri Roskov and Nicolas.]*

ACTIONS

- DMT to implement citation on the traits portal & provide an overview of contributing editors (Summer 2016)
- SC to decide who will follow up on MoUs in collaboration with Tjess and the DMT (to decide after next SC elections)
- DMT to follow up on the MoU between FADA & WoRMS
- DMT to follow up on the MoU between ITIS & WoRMS
- Geoff Boxshall to inform Joel on the data request procedure (done)

- Check the possibility for the DMT to come over Paris for a discussion aside the annual meeting of the FishBase Consortium (Nicolas Bailly to provide more information)

Best practices manual

This topic was led by Tammy Horton who has – together with Serge Gofas – compiled manual of best practices to help editors understand how to use the online edit interface. Whereas the online manual – written by the DMT – focuses on how to use the online interface from a technical point of view, this new manual explains the rationale behind the different options in relation to ICZN and ICBN codes that can be chosen and how they should be interpreted.

The manual is nearly finished. This session was particularly necessary to gain agreement on some inconsistencies and points of discussion within the SC. The discussion focused on use of the different name status types, note types and source types. In general, it was agreed that we must take care with generalization of existing information (e.g. existing note types), as this (1) could result in a loss of information and (2) might provide extra work for the DMT and the editors to deal with.

In parallel with this discussion, a discussion rose on the way type localities and distributions are documented within WoRMS and how this is linked to Marine Regions (www.marineregions.org). It was decided that a separate working group needs to be established. This group should consist of a representative for Marine Regions, a representative of WRIMS, Gary Poore, Serge Gofas, Nicole Boury-Esnault and the data management team. A first meeting should be virtual, the DMT will organize this.

The suggestion was made to publish this best practices document as a peer-reviewed paper. This was evaluated positively, but the outcomes of the distributions working groups will need to be known first, so these can be incorporated into the document. Until then, a pdf-version of the best practices manual will be made available to all editors.

ACTIONS

- Tammy & Serge to finalize the best practices document (autumn 2016)
- All SC members to go through the list of note types and give input on simplification (July 2016)
- DMT to organize a virtual meeting on distributions (autumn 2016)

Simplifying WoRMS for non-taxonomists

Nicolas Bailly gave a short presentation on this topic, where he discussed ways to make taxonomy and systematics more useable for non-taxonomists. This included e.g. making sure that the hierarchy and use of ranks is consistent throughout WoRMS and that phylogeny and classification are not mixed.

Although the situation is understood, it is stressed that editors need to respect the classification which has been published. If this creates a mess in the hierarchy, this should be accepted. There is no use in creating non-existing ranks if they are not published or needed. Several examples were shown of such cases; some editor groups are dealing with this by adding 'unassigned' as a place-holder.

The discussion still continues in the SC mailing list.

A pdf-version of the presentation was sent to the SC on 28-06-2016.

New format of the web pages

During the previous SC meeting (December 2015), several options for the re-newed WoRMS website were presented by the DMT and discussed with the SC. The SC then decided on 2 possible options, requesting a mock-up of both to be able to make a decision.

The mock-ups were distributed prior to this SC meeting and the DMT has replied to questions and comments by email.

During this SC meeting, the final choice was presented and agreed upon.

ACTIONS

- DMT to implement new web lay-out (end 2016)

WoRMS downloads

Request forms

Andreas Kroh reported on this topic. Since January 2016, 15 requests for a download of WoRMS were made. Of these, 10 were granted (see table in appendix). Sabine Stöhr & Andreas Kroh look over all the requests.

The form to request a copy of WoRMS has been adapted, as the old Word form was not easy to use (people generally forgot to put their signature on the second page). A new version has been made, which should be easier to use.

There was a suggestion by DMT to replace the Word form by an online form (including digital signature). This will need some work to be developed, but could be done if requested by SC.

DOIs and archive

A DOI has not yet been assigned to WoRMS.

This will be taken care of in the coming months by the DMT. The DMT suggests a general DOI for the online database, and then 'version-DOIs' for the monthly archives. Working with a general DOI will allow easier tracking of citations (instead of assigning a different DOI to each monthly version of the database).

Argo Floats works in a similar way: <http://www.argodatamgt.org/Access-to-data/Argo-DOI-Digital-Object-Identifier>

ACTIONS

- DMT/new Chair to check if both Andreas & Sabine are happy to continue the evaluation of download requests (cfr. new elections SC) (after SC election, summer 2016)
- DMT to develop an online form for the download requests (not urgent, no date set)
- DMT to assign DOI to WoRMS and the archived versions (autumn 2016)

Based on earlier email communication and issues raised in the past, the DMT proposed to add the following text to the WoRMS 'about' page.

Note to users

The WoRMS Editorial Board maintains this register, but is aware that the content can have omissions and errors. If you come across any error or incomplete information or you are willing to contribute to this initiative, please contact us at info@marinespecies.org.

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Images are by default open-access under the terms of the CC-BY-NC-SA license, unless stated otherwise.

This was unanimously agreed upon by the present SC members.

ACTIONS

- DMT to make this available on the 'about' page (summer 2016)

WoRMS editors

Orphan groups

Some groups in WoRMS are still considered as 'orphan groups' as there is no (active) editor to take care of them.

The Protozoa remain a problematic group in that view. Mark Costello suggested to get in touch with the people of the International Society of Protistologists (<http://protozoa.uga.edu/>) (John Dolan), to see if a collaboration can be set up between them and WoRMS.

Another approach is to get in touch with the organizing committee of the 8th International Symposium on Testate Amoebae (<http://ista8.com.br/>). Sabine Agatha – one of the WoRMS editors – is on the organizing committee and this might be a good opportunity to approach her and the community on this topic. It was, however, unclear if any of the SC members was planning to attend this conference.

Inactive editors

A number of editors are not editing or following up on the content of their group (new species, species revisions...). The question rose whether we should have procedures on how to deal with inactive editors.

In general, it was decided that the lead editor of a group can make a decision on what to do with an inactive editor. Any decision made by the lead editor needs to be communicated to both the relevant editor and the DMT.

An 'inactive' period is considered to be 2-3 years, but there is no real need to actually define this time period as this can be very group-dependent. If a lead editor confronts an editor with his/her inactivity, one can just say 'extended period of time with inactivity'.

ACTIONS

- DMT to follow up on initial contacts by Mark Costello with John Dolan (summer 2016)

WoRMS distinguished editor award

Philippe Bouchet was awarded the first distinguished editor award, through a process agreed upon during the previous SC meetings. In general, it was felt that more communication is needed, to receive more feedback from the editor community.

The prize will be handed to Philippe during the Tropical Deep Sea Benthos Symposium. One or more members of the Steering Committee and DMT will be present during this conference. Details on how this will be done can be discussed before the conference takes place.

A draft version of the award will be ready by the start of August. The final version will be ready by the above mentioned conference. Andreas Kroh is following up with the artist.

It was decided that nominations for this award will initially be called for on a yearly basis. The aim is to send out the relevant communication to the editor mailing list in January (2017) and that editors will have 1 month to send in nominations.

As Michelle Klautau is resigning from the SC, a new SC member will need to be appointed for this role after the upcoming SC elections (summer 2016).

ACTIONS

- SC to appoint a new SC member to organize the next editor award (summer 2016)
- Newly appointed SC member to organize nominations (January 2017)

Organization of 2016 SC elections

The current system for organizing the SC elections will stay in force.

For the upcoming elections, 6 places are open, based on the agreed 3-year rotation: Geoff Boxshall, Jan Mees, Mark Costello, Serge Gofas, Michelle Klautau and Andreas Kroh.

Geoff Boxshall and Jan Mees are finishing their terms as Chair and Vice-chair of the SC. All SC members thanked both of them for leading the SC in the last three years.

The DMT will organize elections in the coming weeks. The goal is to have the new SC – with a new Chair and Vice-Chair – in place by the end of the summer.

ACTIONS

- DMT to initiate next SC election in June and finalize by the end of the summer
- DMT to organize election of new Chair & Vice-Chair (after election of new SC)

Date and place of next physical meeting (June 2017)

Having 2 meetings per year – one virtual and one physical – has been evaluated positively and will be continued in the future.

It is aimed to have the virtual meeting in December, an exact date still needs to be fixed.

The DMT explained that the Flanders Marine Institute (VLIZ) is always willing to host the Steering Committee meetings, but that other members of the SC can also host this. In that case, VLIZ will still check possibilities to cover the travelling costs of all participants.

The next physical meeting should be held May-June 2017, the exact date will be fixed after the SC elections.

It was mentioned that – for 2018 – the SC meeting could be organized back-to-back with the next World Conference on Marine Biodiversity (WCMB) which will be held in Montreal, from 21-24 May.

ACTIONS

- DMT to send out Doodle to fix date for next 2 meetings (after SC elections)

WoRMS images: working group & policy

This item has been on the agenda of the last two SC meetings, but no actions have been taken to date.

In general, the potential and importance of the WoRMS images in relation to outreach and communication should not be underestimated. The SC is aware of the fact that amateurs can provide good identifications and thus trustworthy images.

The topic was discussed again and it was confirmed again that an image working group needs to be created, involving members of the DMT, the SC and the editorial board.

Once the new SC is in place (summer 2016), an SC volunteer will be sought to be the contact person related to this. A letter will be sent out to the editorial board, asking for volunteers to join this working group. A list of tasks will need to be compiled first, so editors know what is expected of them when they join this working group.

At least 3 topics will need to be dealt with:

- Image policy. This is currently missing and highly needed. It should deal with the quality and quality control of images
- Redundancy of images. For some species groups, a lot of images are available per species, but there is no selection on quality or relevance of these images.
- Quality control on the identification of images. Editors should identify high quality providers, whose species identifications are known to be trustworthy. These people should be approached, asking if they are willing to share their images with WoRMS.

The above items need to be discussed within the working group and should then go through the SC for approval.

The goal is to have the working group in place by the next Steering Committee meeting of December 2016.

ACTIONS

- New SC to identify SC contact point for the image working group (summer 2016)
- Contact point to send out letter to the WoRMS editorial board, asking for volunteers (autumn 2016)
- Contact point to make sure a leader of this working groups is identified (autumn 2016)
- Working group to have email discussions and/or a virtual meeting, which can be organized by the DMT (2016-2017)

Any other business

- Mark Costello informed the SC and DMT on the transfer of the SMEBD funds to the VLIZ philanthropy project. The money will (partly) be used to pay the artist who is creating the Editor Award
- The already available identification keys should be featured on the WoRMS website
- A letter should be drafted to inform journals and reviewers of the fact that WoRMS needs to be cited properly. This item is further discussed through email within the SC
- Gary Poore repeated the importance of a possible collaboration with the Australian Faunal Directory (AFD). The DMT mentioned they were scheduled to meet with people of AFD earlier this year, but this meeting was cancelled. The DMT will pick up on this again in the coming months.

ACTIONS

- DMT to make available menu-item on Identification Keys (summer 2016)
- DMT to make contact with AFD again, and see how WoRMS and AFD can collaborate

Overview of last 6 months

- **Data grants** – through LifeWatch project
17 data grants initiated: September 2015 – June 2016.
All information available at WoRMS activities page (www.marinespecies.org/activities.php)
Almost all grants completed; 3 have requested extension of deadline
- **Workshops** – through LifeWatch project
4 workshops approved, all hosted @VLIZ
All to be called ‘successful’ => many on site edits and good activity after the workshop
All information available at WoRMS activities page (www.marinespecies.org/activities.php) and related news messages
- **Editor support**
Continuous support to editors & users through info@marinespecies.org
Bulk uploads
- **Meetings**
 - o WoRMS represented at Catalogue of Life Global Team meeting (Crete, April 2016) and (remotely) at the Ocean data Interoperability Platform (ODIP) (May 2016).
 - o Sammy De Grave (Decapoda editor) contacted us to have a meeting. Goal was to discuss the building of a Decapoda Portal. Next steps will be taken by Sammy: contacting already active editors and see if any gaps need to be filled. Portal should be ready to launch by summer 2017.
 - o WoRMS was presented by Christos Arvanitides (HCMR, Greece) at the GLOBIS-B meeting. The GLOBIS-B project “**GLOBAL** Infrastructures for **S**upporting **B**iodiversity research” is a Horizon 2020 project within the coordination & support action funding scheme of the H2020-INFRA-SUPP-2014-2 call of the European Commission.
- **DMT major activities**
 - o 2 new portals launched since December 2015: Chinese Register & Hong-Kong Register
 - o Launch of the ‘support a WoRMS editor’ through the VLIZ philanthropy programme. Currently < 500€ has been donated.
 - o DMT activities report was sent out & is available online
 - o Actions to complete the environment flag for all accepted species within the Aphia database. Ongoing activity, in collaboration with WoRMS editors. For orphan groups, action is undertaken by the DMT. We aim to complete this task by the end of 2016. Still +/- 31.000 species to go...
 - o Actions to document the skeleton-related trait “calcifying”, in collaboration with WoRMS editors. Ongoing activity. Information already known for +/-11.000 species. Still needs to be uploaded into the database.
 - o Actions to upload body size information from partnering databases (PolyTraits – FishBase), in the framework of the EMODnet Biology project.
 - o Actions to integrate Compositae database into Aphia. This has currently been put ‘on hold’ due to temporary inavailability of the responsible editor.

Workplan 2016-2017

- General

- Continue the support to editors & users (content + technical)
- Implement the new web lay-out
- Complete environment flag for all accepted species in Aphia
- ...

- DiatomBase

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- Millibase (Aphia)

Following the publication of the Aphia paper, we received an email from Petra Sierwald in April. Petra is editor of a global taxonomic millipede-level database that she has built over the past 10 years (Diplopoda). The database is not currently served online and has no stable long-term academic home. At this point she was searching for an online venue for the database. She is very familiar with aphia/WoRMS through her colleague and husband Rudiger Bieler.

The DMT has responded positive to this request and advised Petra to inform Tony Barber, our current editor of the Littoral Myriapoda database which also hosts a small number of Diplopoda species.

Tony responded positive and is willing to collaborate with Petra on this. Meanwhile, we have received a copy of her database and we will be looking into the mapping and integration shortly.

- Platyhelminthes

After the AquaRES workshop (September 2015), Tom Artois proposed to contact Seth Tyler (manager of the externally hosted Turbellaria Taxonomic Database) and to inform him that – in the future – he will only edit through WoRMS. Conversations with Seth were positive, and Seth is

willing to share the full taxonomy of his database with Aphia. The comparison and first transfers of taxa are currently in progress.

- **Call for new LifeWatch workshops**

As the past workshops have been evaluated positively, we aim to organize a new call for workshops by the end of the Summer.

The conditions would be the same as last year: aimed at taxonomic or thematic editorial groups, giving them the opportunity to meet and discuss the way forward for their specific group. One of the conditions is that at least ½ day of training by the DMT is included, making sure that everyone knows how to work with the online interface and the many tools that already exist. The workshops can either be hosted at VLIZ, or can be organized back-to-back with an already planned event.

Given the more limited budget, no call for grants will be launched for 2016-2017.

- **Planned portals**

- Decapoda
- Tardigrada
- DiatomBase

APPENDIX – Overview of data download requests since January 2016

Date	Name	Institution	Decision	Remarks
07.01.2016	Sung-ho Cho	SundoSoft Ltd.	rejected	
12.01.2016	Emma Delduca	Marine Ecological Surveys Limited	approved	
14.01.2016	Luana Lins	University of Sydney	approved	
15.01.2016	Matt Sherlock	Cefas	approved	
28.01.2016	Thanasis Evagelopoulos	University of the Aegean	rejected	related mostly to content of AlgaeBase - user was asked to contact Mike Guiry directly
10.02.2016	Fred Merceur	Ifremer	approved	
08.03.2016	Adriana Radulovici	BOLD	approved	
17.03.2016	Guo Xin	DNV GL	pending	no replies to email asking for more details
21.03.2016	Nicolas Bailly	Hellenic Centre for Marine Research	approved	
25.03.2016	Tracy Campbell	Moss Landing Marine Laboratory	approved	
26.04.2016	Jorge Brenner	The Nature Conservancy Texas Chapter	approved	
03.05.2016	Gary Burt	The Centre for Environment, Fisheries and Aquaculture Science	rejected	needs only taxon match - done with help by DMT
03.05.2016	Michel Kulbicki	UMR "Entropie" – IRD (http://umr-entropie.ird.nc/)	approved	
23.05.2016	Greg Lagerewskij	Australian Antarctic Division	pending	
25.05.2016	YeoMyoung Cho	Stanford University	approved	