



## 2023 ASFA Advisory Board Meeting

Bangkok, Thailand

3–6 October 2023

ASFA/2023/18

### Europe regional compendium 2022

## 2022 Compendium of ASFA Europe Regional Network

### Contents

<b>Overview</b> .....	<b>1</b>
<b>Directory</b> .....	<b>3</b>
<b>Target areas for improvement</b> .....	<b>4</b>
<b>Bibliography</b> .....	<b>5</b>
ADRIAMED .....	5
ICCAT .....	5
France .....	7
Ireland .....	7
Italy .....	7
Poland .....	8
Russia .....	9
UK.....	10

### Overview

This compendium presents the activities of the ASFA Europe Regional Network in 2022 showcasing the efforts of ASFA partners, collaborating centres and associates in the region to share research on aquatic sciences, fisheries and aquaculture. The compendium is presented at the 2023 ASFA Advisory Board meeting in draft format for two purposes: to receive feedback from Advisory Board members and to agree target areas for improvement in the region.

There are 50 countries in Europe according to the United Nations, 16 of which are landlocked.

The ASFA partnership in Europe (as of August 2023) includes three international partners, 13 national partners, 21 collaborating centres, and 12 associated institutions. The ASFA partner in Italy, S.I.B.M. has ceased participation in May 2023.

Of the 50 ASFA centres that made up the ASFA partnership in Europe in 2022, 26 (52 percent) are registered on OpenASFA (two international partners, 10 national partners, 11 collaborating centres and 3 associated institutions). Of these registered users, 20 (1 international partner; 6 national partners, 10 collaborating centres, and 3 associated institutions) created records in 2022: ADRIAMED (input by IOR, Croatia); ICCAT; IFREMER, France (incl. input by MNHN); MI, Ireland; SIBM, Italy; NMFRI, Poland (incl. input by IO, PAS), VNIRO, Russia (incl. input by KamchatNIRO, NIIERV, PINRO, SakhNIRO, AGTU, KamchatGTU, MGTU, KGMTU, IBSS and MH) and FBA, UK). In 2022,

these 20 institutions created a total of 3 669 records, some selected records for each country are presented below in the form of a bibliography.

**Summary of Europe Regional Network activities in 2022**

- 3 669 records created – this is the highest total of all regions, however 3 174 records (87%) are the result of just two partners – FBA and VNIRO.
- 2 individual training session delivered during 2022 – BIOR, Latvia (Associated institution) and SakhNIRO, Russia (Associated institution). Following the training, SakhNIRO created 32 records
- The network functions without a focal point. Four partners are active in Working Groups: the Impact and Strategies Committee – Ekaterina Kulakova (VNIRO), Iwona Fey (NMFRI, Poland), Ian Pettman (FBA, UK), Peter Pisserssens (UNESCO IOC/IODE); ASFA Vocabularies Working Group: Ian Pettman, Ekaterina Kulakova; ASFA Software Working Group – Ian Pettman.

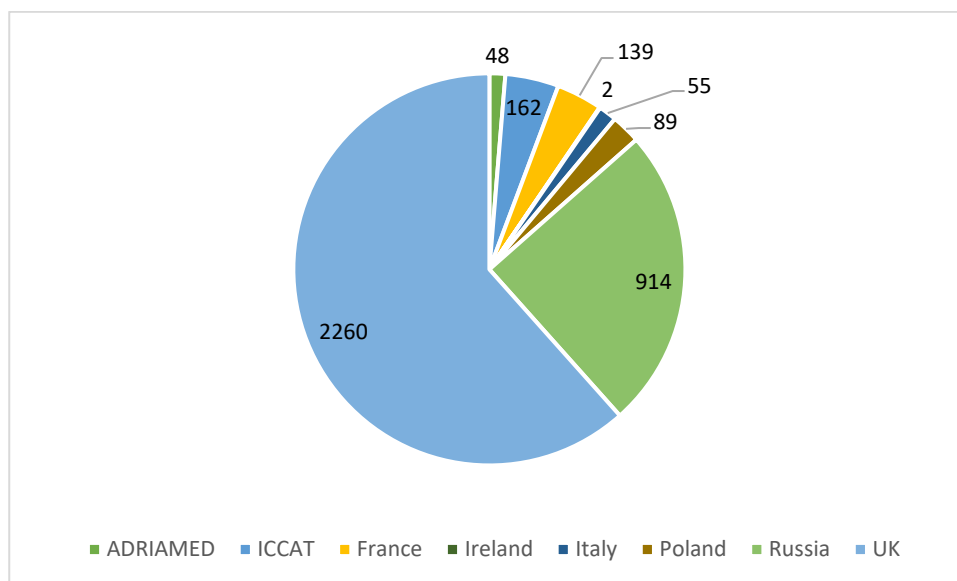


Figure 1 Number of records by ASFA Europe regional network centres in 2022

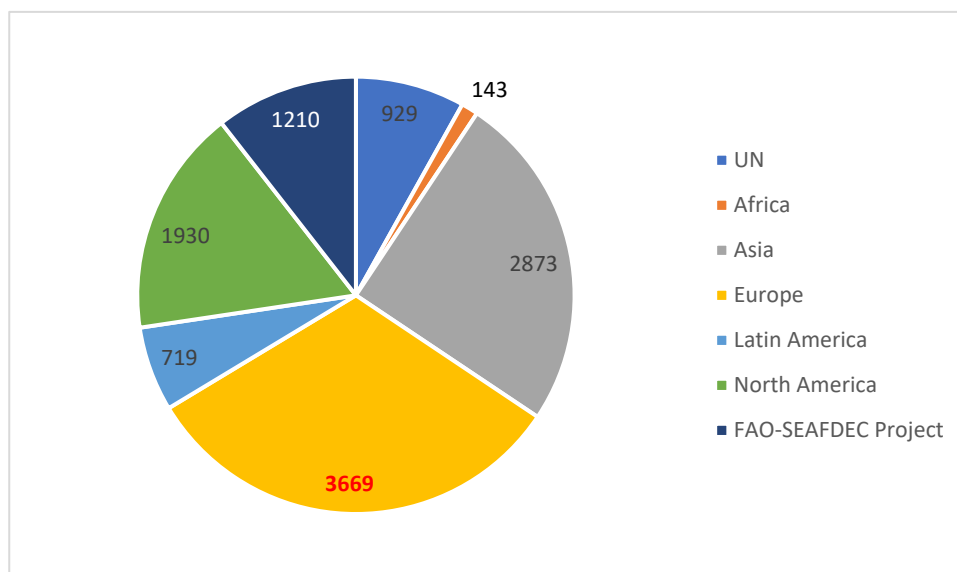


Figure 2 Number of records prepared by ASFA regional groups in 2022

## Directory

## International partners

- ADRIAMED
- ICCAT (**active in 2022**)

## National partners

- Estonia - EMI
- France - Ifremer (**active in 2022**)
- Greece - NCMR
- Ireland- MI (**active in 2022**)
- Iceland - MRI
- Italy - S.I.B.M. (**active in 2022**)
- Norway - IMR
- Poland - NMFRI (**active in 2022**)
- Portugal - IPMA
- Russia - VNIRO (**active in 2022**)
- Spain - IEO
- Turkey - SFRI
- Ukraine - BE MTCA
- UK - ERA (**active in 2022**)

## Collaborating Centres

- France - MNHN (**active in 2022**)
- Croatia (ADRIAMED) - Institute of Oceanography and Fisheries (**active in 2022**)
- Poland - Inland Fishery Institute (IRS)
- Poland - Institute of Oceanology PAS (**active in 2022**)
- Poland - University of Gdansk
- Poland - Pomeranian University of Slupsk
- Russia - Astrakhan State Technical University (AGTU) (**active in 2022**)
- Russia - KaspNIRKh
- Russia - Far Eastern State Technical Fisheries University (DALRYBVTUZ)
- Russia - Institute of Biology of the Southern Seas (IBSS) (**active in 2022**)
- Russia - Kamchatka State Technical University (KamchatGTU) (**active in 2022**)
- Russia - KamchatNIRO (**active in 2022**)
- Russia - Marine Hydrophysical Institute (MHI) (**active in 2022**)
- Russia - TINRO
- Russia - PINRO (**active in 2022**)
- Russia - Murmansk State Technical University (MSTU) (**active in 2022**)
- Russia - AzNIIRKh
- Russia - GosNIORKh
- Russia - MagadanNIRO

## Associated institutions

- Georgia - TECHINFORMI
- Latvia - BIOR
- Russia - VNIIPRKh
- Russia - AltaiNIRO
- Russia - AtlantNIRO
- Russia - BaikalNIRO
- Russia - NIIEV (**active in 2022**)
- Russia - Tyumen branch of VNIRO (Gosrybcenter)
- Russia - Kerch State Maritime Technological University (**active in 2022**)
- Russia - SakhNIRO (**active in 2022**)
- Russia - T.I. Vozzhelezkiy Kerch Sea Scientific Station

## Target areas for improvement

The below table presents the areas targeted for improvement by the Europe Regional Network in 2024. Focal points will be charged with delivering these improvements with success measured against the corresponding metrics. During the 2023 ASFA Advisory Board Meeting, we ask that steps to achieving these targets are identified.

Target Area	Description and steps to achieve improvement	Success metric
Increase number of active partners	<p>The region is reliant on just two partners for 87% of its input. Increasing the number of active partners will mean a more stable source of records. How can numbers of active partners be increased?</p> <ul style="list-style-type: none"> <li>• Can existing partners be encouraged to increase input? Is harvesting the future, or would training on manual input assist?</li> <li>• Are new partners needed? How would their active involvement be assured?</li> <li>• Is training or other support from the ASFA Secretariat needed?</li> <li>• Would electing a focal point, possibly with Terms of Reference and short contract with ASFA help to increase activity levels?</li> </ul>	Active ASFA centres increases from 18 in 2022 to 25 in 2024.
Project on collecting and recording inland waters related publications	<p>A project on inland waters is proposed for this region. This presents the opportunity not only to create a specific collection on OpenASA but to recruit new institutions to ASFA, particularly in inland areas which are underrepresented.</p> <ul style="list-style-type: none"> <li>• What support can your institution provide to this project? Are you able to promote it at key events or through your network?</li> <li>• Can you suggest contacts or new institutions to join?</li> <li>• Are you personally able to contribute to this project by contributing records and vocabulary development?</li> </ul>	Project completed by December 2024 with OpenASFA collection made available and project report published at FAO. New institutions recruited to ASFA. Outreach activities take place to promote the project.
Promote ASFA in the region	<p>ASFA is at risk of losing relevancy in Europe if its work and recent progress to update its technologies is not communicated.</p> <ul style="list-style-type: none"> <li>• Can you suggest events/ networks where ASFA can promote its work? This could be through providing a side event at a meeting or simply distributing a brochure through networks/ mailing lists.</li> <li>• What materials are needed from the ASFA Secretariat in order to support this? Are specific materials focused on Europe/ promoting the work of ASFA partners in Europe useful?</li> </ul>	ASFA promoted at key events in the region.

## Bibliography

The below presents a very small selection of references prepared by International and National partners in the region. Based on feedback from these centres, the bibliography can be improved to focus on a particular topic or date range and then published to promote the work of partners.

### ADRIAMED

**Peharda Uljević, M., Stanić, R., Ugarković, P., et al.** 2022. *Biologija, ekologija i raznolikost jadranskih školjkaša*. Split: Institute of Oceanography and Fisheries. 254 p.

**Krivokapić, M.** 2020. Assessment of PCBs and OCPs in anchovy (*Engraulis encrasicolus*) and sardine (*Sardina pilchardus*) from the Adriatic Sea, Bay of Herceg Novi (alongside Kumbor Marine Channel). *Acta Adriatica*, 61(1), 27-38.

[https://acta.izor.hr/acta/pdf/61\\_1\\_pdf/61\\_1\\_2.pdf](https://acta.izor.hr/acta/pdf/61_1_pdf/61_1_2.pdf)

**Girgin, H., Baştusta, N.** 2020. Growth characteristics of the European hake, *Merluccius merluccius* (Linnaeus, 1758), inhabiting northeastern Mediterranean. *Acta Adriatica*, 61(1), 79-88. [https://acta.izor.hr/acta/pdf/61\\_1\\_pdf/61\\_1\\_6.pdf](https://acta.izor.hr/acta/pdf/61_1_pdf/61_1_6.pdf)

**Milošević, D., Pešić, A., Ikica, Z., et al.** 2021. Biometry of the sagittal otoliths for three demersal fish species from the Eastern Adriatic Sea (Montenegro). *Acta Adriatica*, 62(2), 171-182. [https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_5.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_5.pdf)

**Zorica, B., Isajlović, I., Vrgoč, N., et al.** 2021. Reproductive traits of the European hake, *Merluccius merluccius* (L. 1758), in the Adriatic Sea. *Acta Adriatica*, 62(2), 183-198.

[https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_6.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_6.pdf)

**Douligeri, A., Tsionki, I., Petriki, O., et al.** 2021. Length-weight relationships and condition factors of the sand smelt *Atherina boyeri* (Risso, 1810) estimated from commercial and experimental catches in Lake Trichonis (Western Greece). *Acta Adriatica*, 62(2), 209-218.

[https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_8.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_8.pdf)

**Chartosia, N., Michailidis, N., Constantinou, A., & Karachle, P.K.** 2021. Shedding light on the diet of the Lessepsian yellowspotted puffer *Torquigener flavimaculosus* Hardy and Randall, 1983 in the Eastern Mediterranean. *Acta Adriatica*, 62(2), 199-208.

[https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_7.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_7.pdf)

**Ferhani, K., Bekrattou, D., & Mouffok, S.** 2021. Body morphometric and otolith shape analyses of anchovy (*Engraulis encrasicolus* (Linnaeus, 1758)) in the Algerian basin. *Acta Adriatica*, 62(2), 159-170. [https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_4.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_4.pdf)

**Adamidou, A., Touloumis, K., & Tsikliras, Athanassios C.** 2021. Length-girth relationships of 24 marine fishes in the northern Aegean Sea (eastern Mediterranean Sea). *Acta Adriatica*, 62(2), 219-236. [https://acta.izor.hr/acta/pdf/62\\_2\\_pdf/62\\_2\\_9.pdf](https://acta.izor.hr/acta/pdf/62_2_pdf/62_2_9.pdf)

**Matijević, S.** 2021. In Memoriam - Dr. ANTE BARIĆ. *Acta Adriatica*, 62(1), 3-7.

[http://jadran.izor.hr/acta/pdf/62\\_1\\_pdf/62\\_1\\_memoriam.pdf](http://jadran.izor.hr/acta/pdf/62_1_pdf/62_1_memoriam.pdf)

### ICCAT

**Matsumoto, T.** 2015. Spatial and temporal changes for catch and effort including albacore catch for Japanese longline fishery. *Collective volume of scientific papers. International*

Commission for the Conservation of Atlantic Tunas, 71(5), 16 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_5/CV071052363.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_5/CV071052363.pdf)

**Ortiz de Zárate, V., Perez, B., & Ruiz, M.** 2015. Statistics from the Spanish albacore (*Thunnus alalunga*) surface fishery in the North Eastern Atlantic, years: 2012 and 2013. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(5), 11 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_5/CV071052379.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_5/CV071052379.pdf)

**Chang, F.-C., & Yeh, S.-Y.** 2015. Review on size sampling frameworks for North Atlantic albacore (*Thunnus alalunga*) of Taiwanese longline fleets. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(5), 24 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_5/CV071052390.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_5/CV071052390.pdf)

**de Bruyn, P., Gallego, J.L., & Parrilla, A.** 2015. The conventional tagging information for sharks species available in the ICCAT database. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(6), 11 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_6/CV071062562.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_6/CV071062562.pdf)

**Baibbat, S.A. & Abid, N.** 2015. Étude de quelques aspects biologiques des thonidés mineurs débarquées au port de Laayoune et Dakhla. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(6), 8 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_6/CV071062709.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_6/CV071062709.pdf)

**Hsu, H.-H., Lyu, G.-T., Joung, S.-J. & Liu, K.-M.** 2015. Age and growth of the blue shark (*Prionace glauca*) in the South Atlantic Ocean. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(6), 12.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_6/CV071062573.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_6/CV071062573.pdf)

**Anon.** 2015. 2014 Intersessional meeting of the Sharks Species Group (Piriapolis, Uruguay, 10-1 March 2014). *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(6), 93 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_6/CV071062458.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_6/CV071062458.pdf)

**Oumarous, M., Abid, N., Ouakka, K., et al.** 2015. Analyse des séries historiques de données de thonidés mineurs exploités au Maroc. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(6), 25 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_6/CV071062717.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_6/CV071062717.pdf)

**Chang, F.-C., Yeh, S.-Y., Liu, H.-I.** 2015. CPUE standardization, using proper albacore subareas and dating from 1967 to 2013, on albacore caught by Taiwanese longliners fishing in the South Atlantic Ocean. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(5), 20 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_5/CV071052438.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_5/CV071052438.pdf)

**ICCAT.** 2015. Statistical inferences regarding the “high” and “low” recruitment scenarios based on the output from the 2012 and 2014 stock assessments for western Atlantic bluefin tuna: a preliminary analysis using the AICC model selection criterion. *Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas*, 71(4), 7 p.

[https://www.iccat.int/Documents/CVSP/CV071\\_2015/n\\_4/CV071041863.pdf](https://www.iccat.int/Documents/CVSP/CV071_2015/n_4/CV071041863.pdf)

## France

**Chevillotte, Y.** 2020. *Characterization of the long-term mechanical behavior and the durability of polyamide mooring ropes for floating wind turbines*. Thesis (Sciences pour l'Ingénieur Spécialité : Mécanique des Solides, des Matériaux, des structures et des surfaces Mécanique des Solides, des Matériaux, des structures et des surfaces). ENSTA Bretagne. <https://archimer.ifremer.fr/doc/00683/79537/>

**Garreau, P.** 2021. *Modélisations, Observations : Contribution à la dynamique fine échelle de la Méditerranée Nord-Occidentale*. HDR (Habilitation à Diriger des Recherches). Ifremer. <https://archimer.ifremer.fr/doc/00703/81502/>

**Chapelle, A., Sourisseau, M., & Plus, M.** 2021. *Rapport Alex Breizh. Impact des contrôles environnementaux sur la dynamique des efflorescences de l'algue toxique Alexandrium minutum en Rade de Brest. Modélisation en compétition interspécifique*. Ifremer ODE/DYNECO/PELAGOS 2021-1. <https://doi.org/10.13155/81393>

**Denamiel, M., Cure, C., Cordier, R., et al.** 2021. *Guide des protocoles pour l'analyse des contenus digestifs en vue de l'étude des réseaux trophiques*. Ifremer. <https://archimer.ifremer.fr/doc/00703/81488/>

**Ifremer.** 2022. *Flottille des Fileyeurs polyvalents. Façade Méditerranée. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85786/>

**Ifremer.** 2022. *Flottille des Fileyeurs, Métiers de l'hameçon. Façade Atlantique. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85783/>

**Ifremer.** 2022. *Flottille des Fileyeurs. Façade Atlantique. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85781/>

**Ifremer.** 2022. *Flottille des Dragueurs. Façade Mer du Nord - Manche. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85778/>

**Ifremer.** 2022. *Flottille des Dragueurs. Façade Méditerranée. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85777/>

**Ifremer.** 2022. *Flottille des Dragueurs. Façade Atlantique. 2020. Synthèse des flottilles de pêche*. Ifremer. <https://archimer.ifremer.fr/doc/00746/85776/>

## Ireland

**Palma-Pedraza, S., Sarrazin, V., Clarke, M., & Stokes, D.** 2020. Status of non-assessed fish species in Irish waters. *Irish fisheries bulletin*, 51, 30 p. <http://hdl.handle.net/10793/1668>

**O'Donohoe, P., Kane, F., Kelly, S., et al.** 2021. National Survey of Sea Lice (*Lepeophtheirus salmonis* Krøyer and *Caligus elongatus* Nordmann) on Fish Farms in Ireland – 2020. *Irish fisheries bulletin*, 52, 36 p. <http://hdl.handle.net/10793/1702>

## Italy

**Cecalupo, A. & Perugia, I.** 2021. Report on some Cerithiopsidae (Mollusca: Gastropoda) from the Indo-Pacific province. *Bollettino malacologico*, 57(1), 1-71. <https://www.societaitalianadimalacologia.it/Bollettino/Volume-57/Abstract%2057%201-71.pdf>



**Rogora, M., Austoni, M., Caroni, R., et al.** 2021. Temporal changes in nutrients in a deep oligomictic lake: the role of external loads versus climate change. *Journal of limnology*, 80(3), 2051. <https://doi.org/10.4081/jlimnol.2021.2051>

**Fenoglio, S., Baltieri, M., Lo Conte, P., et al.** 2021. Fly fishing no-kill zones: a possible way to conjugate conservation issues, sustainable sport enhancement and local development in Alpine areas? *Journal of limnology*, 80(3), 2020. <https://doi.org/10.4081/jlimnol.2021.2020>

**Sathicq, M.B., Sbaffi, T., Borgomaneiro, G., et al.** 2021. The meiofauna as neglected carriers of antibiotic resistant and pathogenic bacteria in freshwater ecosystems. *Journal of limnology*, 80(3), 2054. <https://doi.org/10.4081/jlimnol.2021.2054>

**Bolpagni, R. & Dalla Vecchia, A.** 2021. Pioneer annual vegetation of gravel-bed rivers: first insights on environmental drivers from three Apennine streams. *Journal of limnology*, 80(3), 2052. <https://doi.org/10.4081/jlimnol.2021.2052>

**Di Nica, V., Villa, S., & Lencioni, V.** 2021. Environmental concerns about the effects of effluents from wastewater treatment plants in tourist areas of the Alps: toxicity in aquatic microorganisms. *Journal of limnology*, 80(3), 2044. <https://doi.org/10.4081/jlimnol.2021.2044>

**Dresti, C., Fenocchi, A., & Copetti, D.** 2021. Modelling physical and ecological processes in medium-to-large deep European perialpine lakes: a review. *Journal of limnology*, 80(3), 2041. <https://doi.org/10.4081/jlimnol.2021.2041>

**Gismondo, M.R. & Stefani, F.** 2021. Presence of carbapenemase-producing Enterobacteriaceae in the River Lambro basin, Italy: might sediment represent an important resistance reservoir? *Journal of limnology*, 80(3), 2029. <https://doi.org/10.4081/jlimnol.2021.2029>

**Bona, F., La Morgia, V., Fenoglio, S., et al.** 2021. Diatom communities and ecological status classification in the upper Po River basin. *Journal of limnology*, 80(3), 2025. <https://doi.org/10.4081/jlimnol.2021.2025>

**Marchetto, A., Boggero, A., Fontaneto, D., et al.** 2021. Living organisms and sedimentary remains from high mountain lakes in the Alps. *Journal of limnology*, 80(3), 2036. <https://doi.org/10.4081/jlimnol.2021.2036>

#### Poland

**Jiménez-Quiroz, M.C., Martell-Dubois, R., Cervantes-Duarte, R., & Cerdeira-Estrada, S.** 2021. Seasonal pattern of the chlorophyll-a in a coastal lagoon from the southern Baja California (Mexico), described with in situ observations and MODIS-Aqua imagery. *Oceanologia*, 63(3), 329-342. [https://www.iopan.gda.pl/oceanologia/63\\_3.html#A4](https://www.iopan.gda.pl/oceanologia/63_3.html#A4)

**Myrhaug, D. & Ong, M.C.** 2021. Note on estimating bed shear stress caused by breaking random waves. *Oceanologia*, 63(3), 385-390. [http://www.iopan.gda.pl/oceanologia/63\\_3.html](http://www.iopan.gda.pl/oceanologia/63_3.html)  
**Carbajal, N., Vargas, J.T., Rodríguez, J.H.G., et al.** 2021. Kelvin-Helmholtz instabilities in the Colorado River Delta, Gulf of California. *Oceanologia*, 63(3), 321-328. [https://www.iopan.gda.pl/oceanologia/63\\_3.html#A3](https://www.iopan.gda.pl/oceanologia/63_3.html#A3)

**Suursaar, Ü.** 2021. Winter upwelling in the Gulf of Finland, Baltic Sea. *Oceanologia*, 63(3), 356-369. [https://www.iopan.gda.pl/oceanologia/63\\_3.html#A6](https://www.iopan.gda.pl/oceanologia/63_3.html#A6)



**Demir, Egemen İ. & Turkoglu, M.** 2022. Temporal variations of phytoplankton community and their correlation with environmental factors in the coastal waters of the Çanakkale Strait in 2018. *Oceanologia*, 64(1), 176-197. [https://www.iopan.gda.pl/oceanologia/64\\_1.html#A13](https://www.iopan.gda.pl/oceanologia/64_1.html#A13)

**Sathishkumar, R., Sahu, G., Mohanty, A.K., et al.** 2021. First report of *Protoperidinium steinii* (Dinophyceae) bloom from the coastal marine ecosystem – an observation from tropical Indian waters. *Oceanologia*, 63(3), 391-402. [http://www.iopan.gda.pl/oceanologia/63\\_3.html](http://www.iopan.gda.pl/oceanologia/63_3.html)

**Nagarathinam, A., Retnamma, J., Loganathan, J., et al.** 2021. Implications of an extensive salt water barrage on the distribution of black clam in a tropical estuarine system, Southwest coast of India. *Oceanologia*, 63(3), 343-355. [http://www.iopan.gda.pl/oceanologia/63\\_3.html#A5](http://www.iopan.gda.pl/oceanologia/63_3.html#A5)

**Lengier, M., Szymczycha, B., Brodecka-Goluch, A., et al.** 2021. Benthic diffusive fluxes of organic and inorganic carbon, ammonium and phosphates from deep water sediments of the Baltic Sea. *Oceanologia*, 63(3), 370-384. [http://www.iopan.gda.pl/oceanologia/63\\_3.html](http://www.iopan.gda.pl/oceanologia/63_3.html)

**Lisimenka, A., Kubicki, A., & Kałas, M.** 2022. Bedforms evolution in the Vistula River mouth during extreme flood event, southern Baltic Sea. *Oceanologia*, 64(1), 212-226. [https://www.iopan.gda.pl/oceanologia/64\\_1.html#A15](https://www.iopan.gda.pl/oceanologia/64_1.html#A15)

**Copilaş-Ciocianu, D. & Šidagytė-Copilas, E.** 2022. A substantial range expansion of alien Ponto-Caspian amphipods along the eastern Baltic Sea coast. *Oceanologia*, 64(1), 227-232. [https://www.iopan.gda.pl/oceanologia/64\\_1.html#A16](https://www.iopan.gda.pl/oceanologia/64_1.html#A16)

#### Russia

**Draganov, D.M. & Novikov, M.A.** 2021. *Атлас загрязнения донных отложений Баренцева моря=Atlas of bottom sediments pollution in the Barents Sea*. Murmansk: PINRO. 183 p. [http://www.cnsnb.ru/Vexhib/vex\\_news/2021/vex\\_211211/04040546.pdf](http://www.cnsnb.ru/Vexhib/vex_news/2021/vex_211211/04040546.pdf)

**Prusov, S.V., Zubchenko, A.V., Alekseev, M.Yu., et al.** 2021. *Состояние запасов и рыболовства анадромных рыб Мурманской области=Status of anadromous fish stocks and fisheries in the Murmansk region*. Murmansk: PINRO. 72 p. [http://www.cnsnb.ru/Vexhib/vex\\_news/2021/vex\\_210403/03645576.pdf](http://www.cnsnb.ru/Vexhib/vex_news/2021/vex_210403/03645576.pdf)

**Karsakov, AL., Trofimov, A.G., Antsiferov, M.Yu., et al.** 2022. *120 лет океанографических наблюдений на разрезе "Кольский меридиан"=120 years of oceanographic observations along the Kola Section*. Murmansk: PINRO. 146 p.

**Dolgov, Andrey V., Pestrikova, L.I. & Sokolov, K.M.** 2022. *Problems of fishery management in the works of young scientists : Materials of the conference of young scientists and specialists dedicated to the 100 anniversary of PINRO named after N. M. Knipovich= Проблемы рыбохозяйственной науки в творчестве молодых: материалы конференции молодых ученых и специалистов, посвященной 100-летию «ПИИРО» им. Н. М. Книповича*. Murmansk: PINRO. 146 p.

**Belousov, V.N.** 2020. *Они приближали Победу. Наука и рыболовство Юга России в годы Великой Отечественной войны*. Rostov-on-Don: AzNIIRKH. 146 p. <https://aquadocs.org/handle/1834/10997>

**Nevrova, E.L.** 2022. *Diversity and structure of benthic diatom taxocenoses (Bacillariophyta) of the Black Sea= Разнообразие и структура таксоценозов бентосных диатомовых*

водорослей (*Bacillariophyta*) Чёрного моря. Sevastopol': IBSS RAS. 329 p.  
[https://repository.marine-research.org/bitstream/299011/12192/1/Nevrova\\_EL\\_2022.pdf](https://repository.marine-research.org/bitstream/299011/12192/1/Nevrova_EL_2022.pdf)

**Grintsov, V.A.** 2022. *Амфиноды Чёрного моря: иллюстрированный атлас-определитель=Amphipods of the Black Sea: An illustrated guide atlas*. Sevastopol': IBSS RAS. 476 p. [https://repository.marine-research.org/bitstream/299011/12021/1/Grintsov\\_Opredelitel\\_2022.pdf](https://repository.marine-research.org/bitstream/299011/12021/1/Grintsov_Opredelitel_2022.pdf)

**Gordeev, I.I., Safronov, A.S., Smirnov, A.A., et al.** 2022. *Современные проблемы и перспективы развития рыбохозяйственного комплекса. Материалы X международной научно-практической конференции молодых учёных и специалистов, 10-12 ноября 2022, Moscow, Russia*. Moscow: VNIRO. 416 p.  
[http://www.vniro.ru/files/2022/conference\\_2022\\_10.pdf](http://www.vniro.ru/files/2022/conference_2022_10.pdf)

**Gayskiy, V.A. & Gayskiy, P.V.** 2021. Bioelectronic automatic aquaculture monitoring station. *Trudy VNIRO/ Proceedings of VNIRO*, 184, 159-168.  
<https://trudy.vniro.ru/jour/article/view/224/222>

**Sergeev, L.I.** 2021. Generalization of the provisions and parameters of the strategic development of the fishing industry= Обобщение положений и параметров стратегического развития рыбной отрасли. *Trudy VNIRO/ Proceedings of VNIRO*, 184, 169-189. <https://trudy.vniro.ru/jour/article/view/225/223>

UK

**Khanal, G.P.** 2020. Country Status Report: Bhutan. Regional Workshop on Underutilized Fish and Marine Genetic Resources and their Amelioration - Country Status Reports. Bangkok: APAARI, pp.7-13. [http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus\\_Reports-on\\_FMGR\(Final\)\\_7-8-2020\\_High\\_Resolution.pdf](http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus_Reports-on_FMGR(Final)_7-8-2020_High_Resolution.pdf)

**Vodivodi, T.** 2020. Country Status Report: Fiji. Regional Workshop on Underutilized Fish and Marine Genetic Resources and their Amelioration - Country Status Reports. Bangkok: APAARI, pp. 98-106. [http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus\\_Reports-on\\_FMGR\(Final\)\\_7-8-2020\\_High\\_Resolution.pdf](http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus_Reports-on_FMGR(Final)_7-8-2020_High_Resolution.pdf)

**Yamrungrueng, A. & Nootmorn, P.** 2020. Country Status Report: Thailand 2020. Regional Workshop on Underutilized Fish and Marine Genetic Resources and their Amelioration - Country Status Reports. Bangkok: APAARI, pp. 107-117. [http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus\\_Reports-on\\_FMGR\(Final\)\\_7-8-2020\\_High\\_Resolution.pdf](http://www.apaari.org/web/wp-content/uploads/downloads/2020/CountryStatus_Reports-on_FMGR(Final)_7-8-2020_High_Resolution.pdf)

**Wang, H.** 2008. The Rational Allocation of Water Resources in Favour of Ecology and Prioritised Wetlands Conservation. *In: Healthy Wetlands, Healthy People*. Report of the Shaoxing City Symposium. Wageningen: Wetlands International, pp. 57-69.  
<https://www.wetlands.org/download/4735/>

**Yin, H.** 2008 Working Together for Wetlands and the Healthy Development of Mankind. *In: Healthy Wetlands, Healthy People*. Report of the Shaoxing City Symposium. Wageningen: Wetlands International, pp. 71-75. <https://www.wetlands.org/download/4735/>

**Meijers, T. & van Mulekom, L.** 2008. Vulnerable People, Vulnerable Coastlines: Multiple Approaches. *In: Healthy Wetlands, Healthy People*. Report of the Shaoxing City Symposium. Wageningen: Wetlands International, pp. 77-90. <https://www.wetlands.org/download/4735/>

**Hagemeijer, W., Martin, V., Karesh, W., & Newman, S.** 2008. Managing Wetlands for People and Nature to Minimise the Risks of Disease - an Example of Avian Influenza. *In: Healthy Wetlands, Healthy People*. Report of the Shaoxing City Symposium. Wageningen: Wetlands International, pp. 91-99. <https://www.wetlands.org/download/4735/>

- Friend, R.M.** 2008. Wetlands, Food Security and Nutrition in the Mekong - Lessons and Practical Implications. *In: Healthy Wetlands, Healthy People. Report of the Shaoxing City Symposium.* Wageningen: Wetlands International, pp. 109-120. <https://www.wetlands.org/download/4735/>
- Gawler, M.** 1999. What Are Best Practices? Lessons in Participatory Management of Inland and Coastal Wetlands. *In: Strategies for Wise Use of Wetlands: Best Practices in Participatory Management. Proceedings of a Workshop held at the 2 nd International Conference on Wetlands and Development (November 1998, Dakar, Senegal).* Wageningen: Wetlands International, pp. 1-12. <https://www.wetlands.org/download/4557/>
- Diouf, A.M.** 1999. Djoudj National Park and its Periphery: An Experiment in Wetland Co-management. *In: Strategies for Wise Use of Wetlands: Best Practices in Participatory Management. Proceedings of a Workshop held at the 2 nd International Conference on Wetlands and Development (November 1998, Dakar, Senegal).* Wageningen: Wetlands International, pp. 13-17. <https://www.wetlands.org/download/4557/>
- Ba, A., Fall, O., & Hamerlynck, O.** 1999. Le Parc National du Diawling: Expérience de co-gestion pour la restauration des plaines inondables. *In: Strategies for Wise Use of Wetlands: Best Practices in Participatory Management. Proceedings of a Workshop held at the 2nd International Conference on Wetlands and Development (November 1998, Dakar, Senegal).* Wageningen: Wetlands International, pp. 19-25. <https://www.wetlands.org/download/4557/>