



**OSPAR
COMMISSION**

Programme des Nations Unies pour l'environnement
Plan d'action pour la Méditerranée
pour la Convention de Barcelone



Actualités internationales espèces non indigènes marines : Conventions de mers régionales

Laurent Guérin et Pauline Dusseau
Atelier national ENI, visio 15/09/2023



www.cnrs.fr



NEA PANACEA

North East Atlantic project
on biodiversity and eutrophication
assessment integration
and creation of effective measures

Mars 2021 – Mai 2023

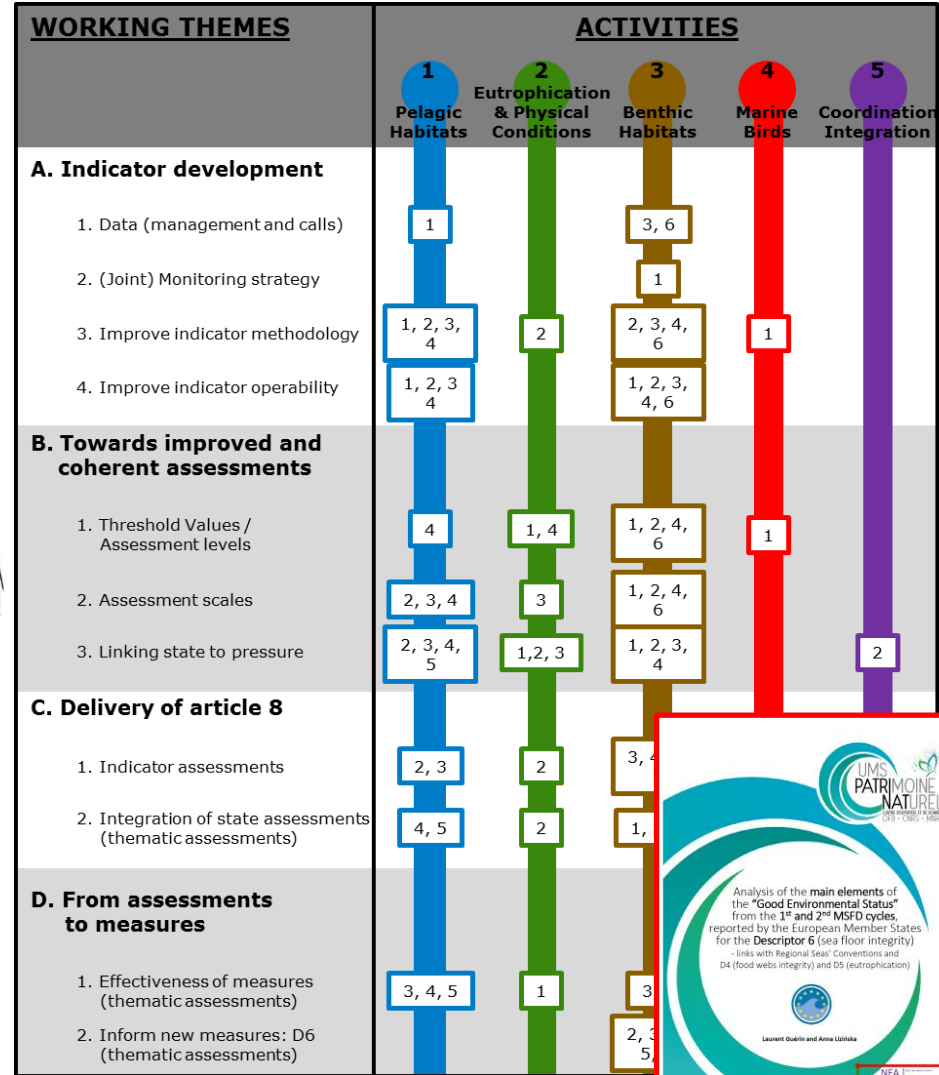
<https://www.ospar.org/about/projects/nea-panacea>

+ recherche internet « Nea Panacea » ou « EcAprHA »

<https://www.ospar.org/work-areas/bdc/ecaprha>



3-5 mai 2023, La Haye (NL): "final" meeting of our dream team ☺



Guérin & Lizińska, 2022. DOI:[10.13140/RG.2.2.16732.46728](https://doi.org/10.13140/RG.2.2.16732.46728)

Quality Status Report 2023

<https://www.ospar.org/work-areas/cross-cutting-issues/qsr2023>



OSPAR
QSR2023

This once in a decade report provides the most authoritative and comprehensive assessment of the environmental status of the North-East Atlantic and is the result of the combined efforts of over 400 experts, scientists, data analysts and policy colleagues. The QSR has also been supported by contributions from OSPAR observers from industry, environmental non-governmental organisations and international partner organisations. Comprising of a synthesis report, 15 thematic assessments, 37 indicator assessments, 11 pilot assessments and 65 other assessments the QSR is the result of the hard work, dedication and expertise of these colleagues and their determination to produce the best possible evidence to inform decisions on how to improve the status of the North-East Atlantic. Without their personal commitment and willingness to cooperate, delivering the QSR would not have been possible.

Publication et 1ère communication, 13 septembre 2023:


ICES Annual Science Conference 2023 #ICESASC23

<https://www.ices.dk/events/asc/2023/Pages/default.aspx>


https://whova.com/portal/icesa_202309/videos/4YDN3ADN1kzM/

Non Indigenous Species Thematic Assessment (**DAPSIR**, dont évaluations au niveau indicateur)

<https://oap.ospar.org/en/ospar-assessments/quality-status-reports/qsr-2023/thematic-assessments/nis/>



**Non-Indigenous Species
Thematic Assessment**



OSPAR
QUALITY STATUS REPORT 2023

OSPAR's Quality Status Report 2023

2023


This quality status report was assessed for this period. Continued effort is required to reduce or prevent the introduction of new non-indigenous species.

Executive Summary

Q1. Identify the problems? Are they the same in all OSPAR Regions?

Q2. What has been done?
Q3. Did it work?
Q4. How does this field affect the overall quality status?
Q5. What do we do next?

Non-Indigenous Species Assessments



OSPAR has taken action to reduce the introduction of NIS from ships' ballast water. © Shutterstock

Q2. What has been done?

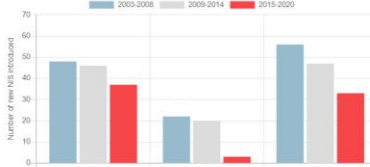
Preventing the introduction of NIS is currently considered the only feasible management option for the marine environment. This is because there are limited practical and cost-effective means available for eradicating or controlling NIS in the marine environment without harming the local ecosystem.

OSPAR has taken action to reduce the introduction of NIS from ships' ballast water by developing general guidance on voluntary ballast water exchange (Agreements 2010-07, 2014-11) and by establishing a joint task group with HELCOM to manage non-indigenous species in relation to ballast water management exemptions and to manage ballast water and biofouling (TG BALLAST & Biofouling). This has resulted in the adoption of the Joint Harmonised Procedure [...] on the granting of exemptions under the International Convention for the Control and Management of Ships' Ballast Water and Sediments (Agreement 2020-01) by both OSPAR and HELCOM.

The International Maritime Organization (IMO) has adopted a range of measures in relation to ballast water and biofouling aimed at reducing the risk from the transfer of non-indigenous species.

Q3. Did it work?

The assessment of the Common Indicator "Trends in New Records of Non-indigenous Species Introduced by Human Activities" showed an overall reduction in the rate of introduction of non-indigenous species, which indicates that the applied threshold (a decreasing trend) is generally being achieved in the assessed regions of the Greater North Sea, Celtic Sea and Bay of Biscay and Iberian Coast. Thus, while the annual rate of new non-indigenous species introduction remains high, the indication of a decreasing trend towards the most recent assessment period might suggest that the current measures have the effect of reducing the introduction and spread of non-indigenous species in the OSPAR Maritime Area. However, these findings must be used with caution due to publication lag and uncertainties in monitoring effort. Since the 2010 QSR, there has been significant progress made in the responses to address non-indigenous species; nevertheless, the introductions continue, and this issue will require continued effort to prevent further introductions.



Region	2005-2008	2009-2014	2015-2020
I	45	45	35
II	20	18	5
IV	55	45	35

Q4. How does this field affect the overall quality status?

The non-indigenous species objective in NEAES 2010-2020 was to "endeavour to limit the introduction of non-indigenous species by human activities to levels that do not adversely alter

Trends in New Records of Non-indigenous Species Introduced by Human Activities

<https://oap.ospar.org/en/ospar-assessments/quality-status-reports/qsr-2023/indicator-assessments/trends-new-records-nis/>

oap.ospar.org/en/ospar-assessments/quality-status-reports/qsr-2023/indicator-assessments/trends-new-records-nis/

Results

A total of 479 records of new NIS, over the three OSPAR Regions (II, III, and IV) were provided by the 11 OSPAR Contracting Parties for the 18-year period 2003 to 2020 inclusive. Excluding cryptogenic species, phytoplankton species and parasitic species reduced this to 426 records (Figure 2). Removing duplicate records for each species within each OSPAR Region, resulted in a total of 250 NIS (Appendix 1), as several NIS appeared more than once in the three OSPAR Regions over the study period.

For all Contracting Parties, many new NIS were recorded for all three assessment periods, with highest total numbers (2003 to 2020) in Spanish waters (92) and lowest in Belgium waters (12) (Figure 3). Note that these results are not relativised by the respective length of coastlines, the intensity and frequencies of vectors and pathways, or the number of high-risk areas for NIS introduction as recently recommended by Castro *et al.*, (2022). This should be considered for future assessments.

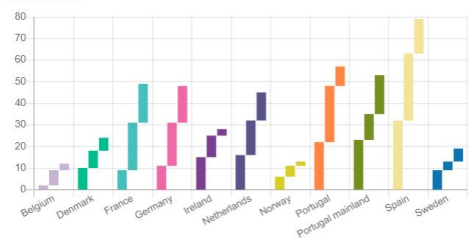


Figure 3: Number of new NIS per Contracting Party per reporting period and for the entire 2003 to 2020 period.

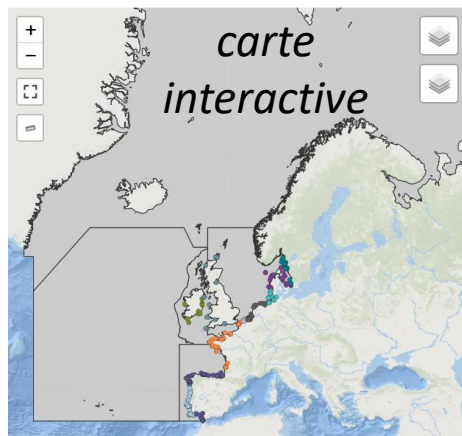


Figure 2: The locations of new NIS records during 2003 to 2020 with OSPAR Region boundaries. Note that these locations may reflect the location of monitoring rather than the location into which the species was first introduced. Of the 426 NIS records included in the assessment, Geo references were provided for 381 records. Available via: ODIMS.

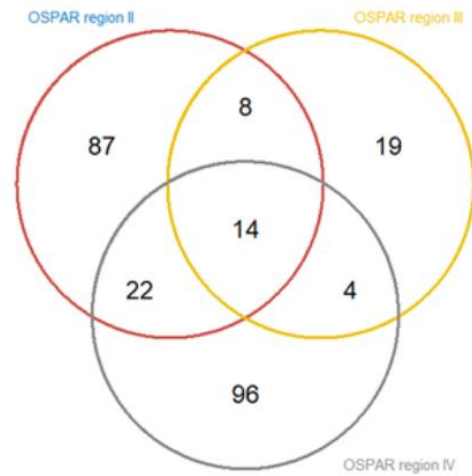
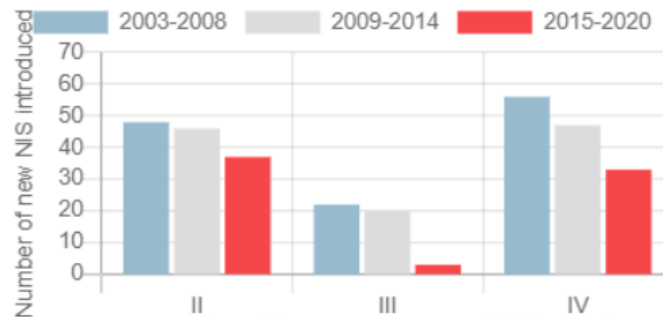


Figure 5: Venn diagram to illustrate the number of new NIS records common between OSPAR Regions

Next?

Articles scientifiques (NIS3, NIS TA, Biodiv TA)

OSPAR: Monitoring + OSPAR Science agenda (€ ?!)

JEG-NIS

= Joint Experts Group
OSPAR - HELCOM





Quality Status Report 2023

28-29/03/2022: CORMON Biodiversité: EO2 - QSR (Argyros Zenetos & Marika Galanidi)

05/07/2022: EcAp

09-10/03/2023: CORMON Biodiversité

27-28/06/2023: CORMONs intégrés: EO2 - résumés et futur site QSR

11/09/2022: EcAp - MED QSR finalisé
- Résumé exécutif en consultation
- Futur résumé *Policy-makers*: appel à volontaires

<https://medqsr-test.netsons.org/mediterranean-quality-status-report/>

medqsr-test.netsons.org/mediterranean-quality-status-report/

Home Introduction The Mediterranean Sea Mediterranean QSA Main Actions and Measures English Français

UN environment programme | Mediterranean Action Plan Barcelona Convention

MEDITERRANEAN QUALITY STATUS ASSESSMENT [MED QSR]

Chapter 2 Pollution & Marine Litter Biodiversity & Fisheries Coast & Hydrography Towards Integrations

Pollution & Marine Litter
Biodiversity & Fisheries
Coast & Hydrography
Towards Integrations

MED QSR 2023 WEB SITE INDEX

IMAP INDICATOR INDEX

Article

Status and Trends in the Rate of Introduction of Marine Non-Indigenous Species in European Seas

Argyro ZENETOS ^{1,*}, Konstantinos TSIAMIS ², Marika GALANIDI ³, Natacha CARVALHO ⁴, Cátia BARTILOTTI ^{5,6}, João CANNING-CLODE ^{7,8}, Luca CASTRIOTA ⁹, Paula CHAINHO ^{10,11}, Robert COMAS-GONZÁLEZ ¹², Ana C. COSTA ¹³, Branko DRAGIČEVIĆ ¹⁴, Jakov DULČIĆ ¹⁴, Marco FAASSE ^{15,16}, Ann-Britt FLORIN ¹⁷, Arjan GITTENBERGER ^{16,18}, Hans JAKOBSEN ¹⁹, Anders JELMERT ²⁰, Francis KERCKHOF ²¹, Maiju LEHTINIEMI ²², Sílvia LIVI ²³, Kim LUNDGREEN ²⁴, Vesna MACIĆ ²⁵, Cécile MASSÉ ²⁶, Borut MAVRIČ ²⁷, Rahmat NADDAFI ¹⁷, Martina ORLANDO-BONACA ²⁷, Slavica PETOVIĆ ²⁵, Lydia PNG-GONZALEZ ¹², Aina CARBONELL QUETGLAS ¹², Romeu S. RIBEIRO ^{10,11}, Tiago CIDADE ¹⁰, Sander SMOLDERS ²⁸, Peter A. U. STÆHR ¹⁹, Frederique VIARD ²⁹ and Okko OUTINEN ²²

Zenetos *et al.*, 2022

<https://doi.org/10.3390/d14121077>

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/366408641>

Refined and updated non-indigenous species baselines for the Mediterranean Sea at the national, sub-regional and national level in the context of the Barcelona Convention's Integra...

Conference Paper · September 2022

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Galanidi *et al.*, 2023

<https://doi.org/10.3390/d15090962>

Article

Validated Inventories of Non-Indigenous Species (NIS) for the Mediterranean Sea as Tools for Regional Policy and Patterns of NIS Spread

Marika Galanidi ^{1,*}, Mehdi Aissi ², Malek Ali ³, Ali Bakalem ⁴, Michel Bariche ⁵, Angela G. Bartolo ⁶, Houssein Bazairi ^{7,8}, Sajmir Beqiraj ⁹, Murat Bilecenoglu ¹⁰, Ghazi Bitar ¹¹, Myra Bugeja ⁶, Aina Carbonell ¹², Luca Castriota ¹³, Abdelhafidh Chalabi ¹⁴, Melih Ertan Çinar ¹⁵, Branko Dragičević ¹⁶, Jakov Dulčić ¹⁶, Alaa Eldin Ahmed El-Haweet ¹⁷, Mahmoud M. S. Farrag ¹⁸, Julian Evans ¹⁹, Bella Galil ²⁰, Laurent Guerin ²¹, Orit Hyams-Kaphzan ²², Rezart Kapedani ²³, Elvis Kamberi ²⁴, Sílvia Livi ²⁵, Vesna Mačić ²⁶, Cécile Masse ²⁷, Borut Mavrič ²⁸, Martina Orlando-Bonaca ²⁸, Atef Ouerghi ², Slavica Petović ²⁶, Lydia Png-Gonzalez ¹², Patrick J. Schembri ¹⁹, Noa Shenkar ^{20,29}, Yassine Ramzi Sghaier ², Esmail Shakman ³⁰, Asma Yahyaoui ², Mehmet Baki Yokeş ³¹ and Argyro Zenetos ³²



MUSÉUM
NATIONAL D'HISTOIRE NATURELLE



Station marine de Dinard

[OSPAR ou UNEP?] [INTERREG? FEAMPA?]
[R&D OFB?] [IR-ILICO via ANR ?]

Relations Etat-Pression et impacts ENI: axes prioritaires OSPAR et Barcelone (D2C3->D6C5)

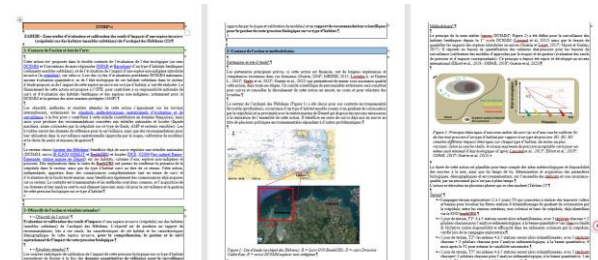
SM Dinard: Projet ZADEBI zone atelier Hébiens (35)

HB-D1D6C5 x D2C2 => D2C3 / HB

Peu de temps ici, mais pour les intéressés, venez nous voir

ou nous contacter pour + d'infos laurent.guerin@mnhn.fr

pauline.dusseau@mnhn.fr





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