



**Next-generation monitoring
& mapping tools
to assess marine
ecosystems & biodiversity**

Milestone M2.3

**Sequences of eDNA/eRNA (means of verification:
Bioinformatic pipelines)**

Greece 2.0
NATIONAL RECOVERY AND RESILIENCE PLAN



**Funded by the
European Union**
NextGenerationEU

This project is carried out within the framework of the National Recovery and Resilience Plan Greece 2.0, funded by the European Union – NextGenerationEU (Implementation body: HFRI).

Views and opinions expressed are however those of the beneficiaries only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

DOCUMENT INFORMATION AND VERSION CONTROL

Project Acronym	NEMO-Tools
Project Title	Next-generation monitoring and mapping tools to assess marine ecosystems and biodiversity
Project Number	016035
Work Package	WP2
Related Task(s)	T2.2
Deliverable Number	Milestone M2.3
Deliverable Name	Sequences of eDNA/eRNA (means of verification: Bioinformatic pipelines)
Due Date	14 May 2025
Date Delivered	14 May 2025
Dissemination Level	Sensitive — limited under the conditions of the Grant Agreement (Confidential, only for members of the consortium including the Commission Services and their appointed reviewers)

VERSION CONTROL

Revision-N°	Date	Description	Prepared By	Reviewed By
1 st	28/04/2025	1 st Draft	S. Genitsaris	C. Gubili

Executive Summary

Milestone 2.3 (Sequences of eDNA/eRNA) is connected to Task 2.2 of WP2. This milestone verifies the successful amplicon sequencing of the samples, targeting bacteria, protists, and fishes. The milestone is comprised of three fasta databases with unfiltered sequences clustered at >97 % similarity levels into Operational Taxonomic Units (OTUs), as described in D2.2. Next steps towards the next deliverables of the WP2 include filtering of the OTUs to include sequences assigned to the targeted biocommunities.

TABLE OF CONTENTS

Document information and version control 3

Version control 3

Executive Summary 4

Table of Contents 5

Contributors 6

References.....11

CONTRIBUTORS

TABLE 1 NAMES AND ROLES OF CONTRIBUTORS TO THIS DELIVERABLE.

Name	Affiliation	WP Lead	Task Lead
Savvas Genitsaris	National and Kapodistrian University of Athens		2.2
Chrysoula Gubili	Hellenic Agricultural Organization – DIMITRA - Fisheries Research Institute	2	
Panagiota Xanthopoulou	Hellenic Agricultural Organization – DIMITRA - Fisheries Research Institute		
Antonios Mazaris	Aristotle University of Thessaloniki		

References

Deliverable D2.2. (2024). Protocol of the taxonomic and functional identification of species of the different biocommunities examined. Chrysoula Gubili, Savvas Genitsaris, Panagiota Xanthopoulou, Antonios Mazaris. pp 21.