

marbef Marine biodiversity & ecosystem functioning

Sixth Framework Network of Excellence

MARPLAN: European integration of marine

micro-plankton research The study of microbial organisms (protists, bacteria, viruses) in the marine plankton has been revolutionized

tion of data from cytology, molecular biology, biogeography, ecology, eco-physiology and biochemistry, and through the use of novel DNA based detection and identification techniques. As a result, considerable cryptic and hidden diversity has been discovered rendering the network of interactions in the plankton far more complex than previously believed. Multi-disciplinary research is needed to study this biodiversity but single institutes rarely have all the technical infrastructure and scientific expertise needed thereto. The RMP MARPLAN will foster the necessary links among researchers and research institutes. It will achieve this objective through spreading of expertise and integration of research efforts on a European level by means of a series of tasks.



MARPLAN partner Institutes

Natural History Museum, London

SZN: Stazione Zoologica "Anton Dohrn", Naples Alfred-Wegener-Institute, Bremerhaven AWI:

UIO: Universitetet i Oslo, Oslo

NIOZ Nederlands Instituut voor Onderzoek der Zee, Texel Institut de Ciències del Mar-CMIMA, CSIC Barcelona,

ICM: SBR: Station Biologique de Roscoff, Roscoff Laboratoire d'Océanographie de Villefranche LOV:

Nacionalni institut za biologijo, Piran MBS: MPI-MM:

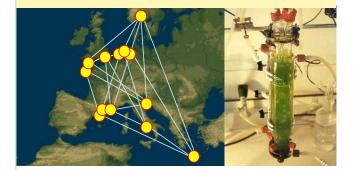
Max Planck Institut - Marine Microbiology, Bremen, MBA: HCMR: Marine Biological Association of the UK Plymouth, Hellenistic Center for Marine Research, Crete, Greece LOBB: Laboratoire d'Océanographie Biologique de Banyuls-

sur-Mer, France

The main tasks set by MARPLAN



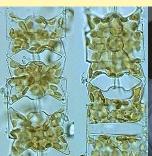
Training and mobility of researchers
Link supply and demand. MARPLAN supports researchers and PhD
students to spend time at MARPLAN partner institutes to carry ative research and exchange research skills.





Exchange of field samples and strains

The network covers a suite of marine habitats across Europe. Partners exchange material upon request, host colleagues to permit them to isolate strains, and donate strains to culture collections.

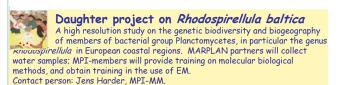






Integration and international collaboration

Biodiversity research on plankton organisms will be integrated by establishing and fostering collaborative research among the partners.

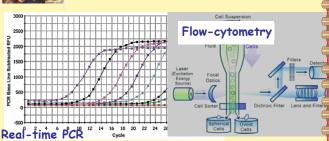








Calibration of Instruments. The performance of flow cytometry, FISH protocols and quantitative PCR need to be calibrated using shared strains and common procedures.





Outreach. Write papers and research proposals. Present results at meetings, workshops, conferences



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