



THE CHALLENGE

Researchers from academia and the private sector need high-quality access to sophisticated marine biological research infrastructures to conduct their research for the advancement of knowledge and technology, to inform policy and to contribute to blue growth.

PROJECT OBJECTIVE

Building on the success of its predecessor **ASSEMBLE** (2009-2014), the EU-funded **ASSEMBLE Plus** brings together key marine biological research institutes across Europe and overseas to ensure their optimal use and joint development. In particular, **ASSEMBLE Plus** provides expenses-paid Transnational Access to the ecosystems, marine organisms, and facilities available at its partner institutes.

AT A GLANCE

PROGRAMME: Horizon 2020
(INFRAIA-01-2016-2017)

TYPE OF ACTION: Research and
Innovation Action

DURATION: October 2017 - September
2022 (60 months)

CONSORTIUM: 26 partners from 16
countries

COORDINATOR: Sorbonne Université
(SU), France



TYPES OF RESEARCH INFRASTRUCTURE

ASSEMBLE Plus will provide scientists from academia, industry and policy with a quality-assured programme of *Transnational Access (TA)* and *Virtual Access (VA)* to over 30 marine research installations covering:



ACCESS TO ECOSYSTEMS

Research vessels, SCUBA diving facilities, submersibles



BIOLOGICAL RESOURCES

Marine model organisms, culture collections, biobanks



TECHNOLOGY PLATFORMS

Molecular biology and -omics imaging, bioassays, structural & chemical analysis



EXPERIMENTAL FACILITIES

Tanks, mesocosms, bioreactors, wet & dry labs



E-INFRASTRUCTURE

Data sets, data analysis, computing, storage

A coherent series of Networking Activities (NA) will also strengthen the culture of cooperation within and beyond the consortium, providing benchmarks for refined practices of service provision, disseminating interoperable protocols, engaging with novel user communities, and sharing insights into business strategies. *Joint Research Activities (JRA)* have been included in ASSEMBLE Plus, to foster mobility and the sharing of experience, and to implement best practice guidelines across the consortium.

EXPECTED RESULTS

- Wider and more efficient TA and VA to the best European marine biological research infrastructures
- Strengthened transnational and multi-disciplinary networks
- Creation of public-private partnerships
- Engagement of industry
- Creation of new enabling technologies and increased service offers
- Upskilled researchers with capacity in new areas
- Increased number of excellent science publications
- Improved long-term sustainability of marine biological stations

26 PARTNERS & >30 ACCESS PROVIDERS

- 1 SU (Paris)
 - 2 NIB (Ljubljana)
 - 3 NIOZ (Den Hoorn Texel)
 - 4 UH (Helsinki)
 - 5 IOPAN (Sopot)
 - 6 UG (Gdansk)
 - 7 NUIG (Galway)
 - 8 UGOT (Göteborg)
 - 9 UPV/EHU (Leioa)
 - 10 HCMR (Heraklion)
 - 11 HUJI (Jerusalem)
 - 12 SZN (Naples)
 - 13 UIB (Bergen)
 - 14 CCMAR (Faro)
 - 15 AWI (Bremerhaven)
 - 16 MPIMM (Bremen)
 - 17 VLIZ (Oostende)
 - 18 SAMS (Oban)
 - 19 USTAN (St Andrews)
 - 20 MBA (Plymouth)
 - 21 NERC-BAS (Cambridge)
 - 22 MSS (Aberdeen)
 - 23 AquaTT (Dublin)
 - 24 TSL (Oban)
 - 25 ERAMARIS (Florence)
 - 26 EMBRC-ERIC (Paris)
- Access Provider
● Partner
● Partner and Access Provider



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