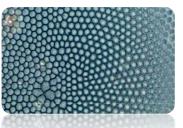
Biodiversity, Bioinformatics, Biotechnology







Overview

In Micro B3 32 partners from 14 countries work together in nine interdisciplinary teams of experts in bioinformatics, computer science, biology, ecology, oceanography, biotechnology, ethics and law for a better understanding of the marine ecosystem and to pave the way for novel biotechnological applications. Micro B3's primary objective is to integrate biodiversity, genomic, and oceanographic data into one Information System (IS), the Micro B3-IS, which is based on global standards for sampling and data processing.

1. Best-practice guidelines and standards for collecting marine water samples, facilitate free and open sharing of data and environmental data, logistics and metadata

- 57 peer-reviewed publications to date
- Three workshops and five training courses
- Participation in more than 70 international workshops, conferences, business meetings, and EU-wide events
- OSD movie and Micro B3 documentary
- Organisation of global Ocean Sampling Days (OSD): a world wide community network of scientists and citizens for orchestrated sampling

- **Key Products and Results** 7. Propagation of standards and data flows to
- bioinformatics for long-term ecological 8. Dissemination of the project outputs:



marine microorganisms and Benefit Sharing (ABS) distinguishing between research and development for the public domain and for

6. Innovative model agreements on Access to

proprietary purposes

functional predictions

research sites and cruises

in metagenomic reads

activities

2. Integrated biodiversity, genomic, and

oceanographic data via the Micro B3-IS

bacterial, archaeal and eukaryotic sequences

3. An annotation pipeline to identify viral,

4. Computational workflows for predicting

Co-occurrence networks for "unknown"

genes using known data to improve

substrate selectivity of genes with known

Title: Marine Microbial Biodiversity, Bioinformatics and Biotechnology (Micro B3)

Funding Scheme: FP7-OCEAN

Total Budget: € 11,507,843 **EU Financial Contribution:** € 8,987,491

Duration: January 2012 – December 2015

Coordinator: Jacobs University Bremen gGmbH, Bremen (Germany)

www.microb3.eu



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