The Marine Training Platform

Navigating the marine training and education landscape

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Marine training ...
A one-stop-shop for
• trainees in search of a training
• trainers in search of assistance
• stakeholders in search of insights
The Marine Training Platform

• **Group and advertise** Marine Training Initiatives in a coherent and integrated way
• Attract and actively **capture new training initiatives**
• **Offer services** to training organizers:
  - Application / Registration / and Trainee Follow-up
• **Offer a dedicated E-Learning Platform**
• **Facilitate** E-trainings
• **Offer services to trainees** and serve as:
  - a single access point to investigate training possibilities
  - a single access point to register to training possibilities
  - a platform through which Training Grants can be advertised and promoted
• **Allow long-term follow-up** of both trainings and trainees.
EMBRIC is a global reference Research Infrastructure responding to the societal Grand Challenges through advanced marine biology and ecology research.

The EMBRIC-ERIC is a pan-European Research Infrastructure for marine biology and ecology research. With its services, it aims to answer fundamental questions regarding the health of oceanic ecosystems in a changing environment, enable new technologies to further our investigation capabilities, support life-science breakthrough discoveries with the use of marine biological models, and continue long-term marine monitoring efforts. EMBRIC-ERIC is a driver in the development of these biotechnologies, supporting both fundamental and applied research activities for sustainable solutions in the food, health and environmental sectors.
Find a Training

Organise a Training

Insights into Training
Data model & Structure

- Drupal based backbone
- XCRI-CAP standard:
  - eXchange of Course Related Information
  - Course Advertising Profile
  - Training type, schedule, language, location, themes, pre-requisites, learning outcomes, providers, practicalities, ...

*send courses data regularly and dynamically to course aggregators*
UNESCO Thematic fields of education (ISCED)

- Standardised
- Comparable
- Qualification based
- 32 “marine” fields

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<th>Maritime Economy</th>
<th>Policy and Governance</th>
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Successful roads from organisms to molecular tools

**Practicalities**

- **22 Mar 2018 to 23 Mar 2018**
- **Language:** English
- **Attendance mode:** Campus
- **Attendance pattern:** Daytime
- **Study mode:** Not known
- **Venue:** Leibniz Research Institute for Molecular Pharmacology (FMP), Berlin, Germany
- **Grouping Flags:** EMBRIC

**Location**

- Map of the venue showing its location.

**Organized by**

- EMBRIC

**General information**

The purpose of this two-day symposium is to present established harmonized experimental workflows to accelerate the pace of scientific discovery and innovation from bio-resources. Successful developments in the areas of proteins, secondary metabolites, and carbohydrates will be showcased.

Confirmed Speakers (more to be announced soon):

- Ray Owens (University of Oxford, Protein Production Facility) - Proteins
- Anja Schütz (Max Delbrück Centre, Protein Sample Production Facility) - Proteins
- Mark Brnstrup (Heinrich-Centre for Infection Research) - Secondary Metabolites
- Hans-Günter Schmitz (University of Cologne) - Secondary Metabolites
- Deniz Tasdemir (GEOMAR, Heinrich-Centre for Ocean Research Kiel) - Secondary Metabolites
- Jan-Hendrik Heremann (Marum, University of Bremen) - Carbohydrates
- Céline Herve (Station Biologique de Roscoff) - Carbohydrates

Click [here](#) for the tentative programme.

**Contact Person:** Philip Brennecke (pbrennecke@fmp-berlin.de)

More Info:

- **Content**
- **Venue**
- **Application**
Training Support Packages

- Trainers / Training providers ≠ Training organizers
- Training support packages:
  - Design of advertising material
  - Online application / registration tools
  - Advertisement of the training
  - Setup of online training resource directory
  - Creation of Certificate of Attendance
Services for internship and thesis placements

- Advertisement / Match-making / Portfolio / Administrative follow-up
- International context!
### Thesis Overview

**Navigation**
- Add content
- Add title
- Import
- Maestro Process Variables
- Task Console
- Outstanding Tasks
- Search projects
- My Workflows
- All Maestro Workflows

**Operations**
- Choose an operation
- Execute

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<tr>
<th>Title</th>
<th>Student</th>
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<tbody>
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<td>Tim jet</td>
<td>Ian O'Connor</td>
<td>Jennifer Cestin-Giacinti</td>
<td>Holger Auel</td>
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<td>A picture tells a thousand birds: technological approaches to improving precision in seabird populations</td>
<td>Emma Cartvelis</td>
<td>Ian O'Connor</td>
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<td>Sympathy between the Atlantic Islands National Park: Description, habitat and isotopic profile</td>
<td>Maria Apa</td>
<td>Maria Planas</td>
<td>Teresa Alcivere</td>
<td>Jorge Tejedor</td>
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<td>Assessing the sustainability of wild caught fish products served at Ghent University: current situation and trends</td>
<td>Marie Robbenstei</td>
<td>Francesca Pasotti</td>
<td>Nancy Pickley</td>
<td>Margarida Castro</td>
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<td>Analysis of the Galician common exploitation in the Asturian coast (North of Spain)</td>
<td>Gerardo Perez Del Moline</td>
<td>Jose Rico</td>
<td>Eva Garcia-Vlezquez</td>
<td>Francesca Pasotti</td>
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<td>Carbonic anhydrase in Mytilus galloprovincialis: characterization of the response to copper exposure</td>
<td>Simone Sainma</td>
<td>Maria Giulia Lionetto</td>
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<td>Deep Sea floor Acoustic Observatories to study Marine Mammals</td>
<td>Tara Noonan</td>
<td>Gianlu Pavan</td>
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<td>Thibaud Mascart</td>
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<td>Quantifying microplastics in subtidal sediments: the influence of separation methodologies and sampling equipment</td>
<td>Elena Fagetti</td>
<td>Nannad Nash</td>
<td>Carl Van Colen</td>
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<td>From algal to fish: biodiversity and dynamics of symbiotic bacteria in the rhizosphere of the invasive macroalgae Caulerpa cylindracea</td>
<td>Sonia Deiva</td>
<td>Olivier De Clercq</td>
<td>Luca Gimmm</td>
<td>Jean-Marc Guerin</td>
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<td>How spatial graphs can help us to better unravel drivers of genetic structure in marine organisms</td>
<td>Emilie Greiner</td>
<td>Stephanie Moreau</td>
<td>Alicia Pape</td>
<td>Elen Pape</td>
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Project support for training

• Involvement in several types of projects where MarineTraining is in charge of training components

• Examples:
  • EU Horizon 2020 projects
  • Interreg projects
  • Support for regional consortia and networks
  • Support for international joint degree programmes
  • ...

• Types of activities:
  • Organization of trainings / Setup of insight documents / Thematic portal
Support in setup of Joint Degree programmes

• Survey among marine graduates to get insights on needs for ideal marine graduate programmes

Components
• Internships
• Practical/Field work
• Laboratory training
• Industry partner involvement
• Sea survival/boat handling/first aid courses

Courses
• Project & Business Management
• Statistics
• Marine/Maritime Law
• Policy & Management
• Modelling & Programming

If you were asked to set up the ideal Marine Graduate Programme, which courses or activities would you recommend to be included?
Find a Training

Organise a Training

Insights into Training
MarineTraining: State of art

- MSc
- PhD
- CPD

- 600+ Programmes
- 400+ Short Courses
- 16 Languages
- 50+ Countries
- 32 thematic fields
- 16 Languages
- Advertisement & dissemination
- E-learning Platform

400+
La mer, The Sea, De zee, Das Mer, Havet

Language of instruction of Master programmes

Excluding UK programmes

Including UK programmes
About 8000 page hits and 800 unique visitors per day (12000 unique visitors per month)
The future directions for Marine Training

H.M.S. Challenger preparing to Sound, 1872.
• 200 sailors
• 20 officers
• 1 official artist
• 5 scientists
The future directions for MarineTraining

1. Regional Scope
   • Currently: main focus on Europe with already more and more ad hoc global events
   • Future:
     • Seas do not have boundaries, marine education shouldn’t neither
     • Need for regional hubs / regional subnodes in the portal
   • Practical:
     • Collaborations with relevant organizations / projects
     • MarineTraining.eu → MarineTraining.org

2. Thematic Scope
   • Currently: MSc Programmes, Doctoral programmes and Short courses
   • Future:
     • Vocational training
     • Technical trainings
     • Bachelor degrees
     • …
   • Practical: involvement in project dealing with skills gap in Blue Energy blue Biotech
Marine training
Seas do not have boundaries...education shouldn’t either!