

Training the 21st Century Marine Professional



**YOUNG TALENT AND
THE BLUE ECONOMY**
TOWARDS A FIT-FOR-PURPOSE
TRAINING FOR MARINE GRADUATES

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ORGANISED IN COOPERATION WITH THE EUROPEAN
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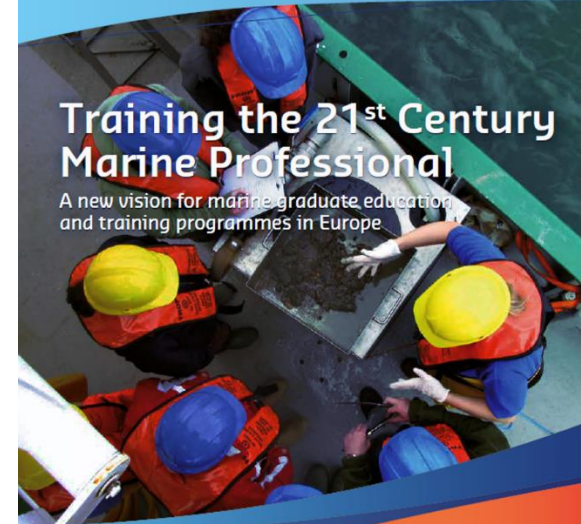
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Training the 21st Century Marine Professional

A new vision for marine graduate education
and training programmes in Europe.



www.marineboard.eu

Current Training Landscape

- Highly fragmented mix of specialized and general courses
- Doctoral:
 - Fundamental research
 - Advanced courses such as statistics, GIS, programming etc.
 - Transferrable skills such as scientific writing, project planning, etc.
 - Research outputs – thesis
- PhD programmes need to be updated to meet the needs of society
- Use of placements, internships would foster training to better fit stakeholder needs



PhD programmes must ensure the employability of the graduate, while maintaining their role on the frontier of research

Future Training needs

- Mismatch between current training, and needs of policy and industry - Blue Economy
- Blue Growth needs:
 - Aquaculture
 - Coastal tourism
 - Marine biotechnology
 - Ocean energy
 - Seabed mining



Only a very small proportion of Masters courses include content on archeology, blue energy, coastal and marine tourism, marine planning and naval architecture

Key Targets for the Future

- Secure marine research excellence
- Create an attractive institutional environment with a clear marine branding
- Incorporate interdisciplinary research options
- Expose graduates to industry and other relevant employment sectors
- Encourage international networking and collaboration
- Build in quality assurance
- Emphasize relevant transferable skills training
- Incorporate innovative training methods
- Facilitate Continuous Professional Development



Marine training at sea is a valuable addition to a graduate's skill set, but the costs can be significant

Recommendations

