

What does a modern fit-for-purpose
marine graduate training system
look like?

Seas, Rivers, Islands and Coastal Areas Intergroup and the European Marine

Board

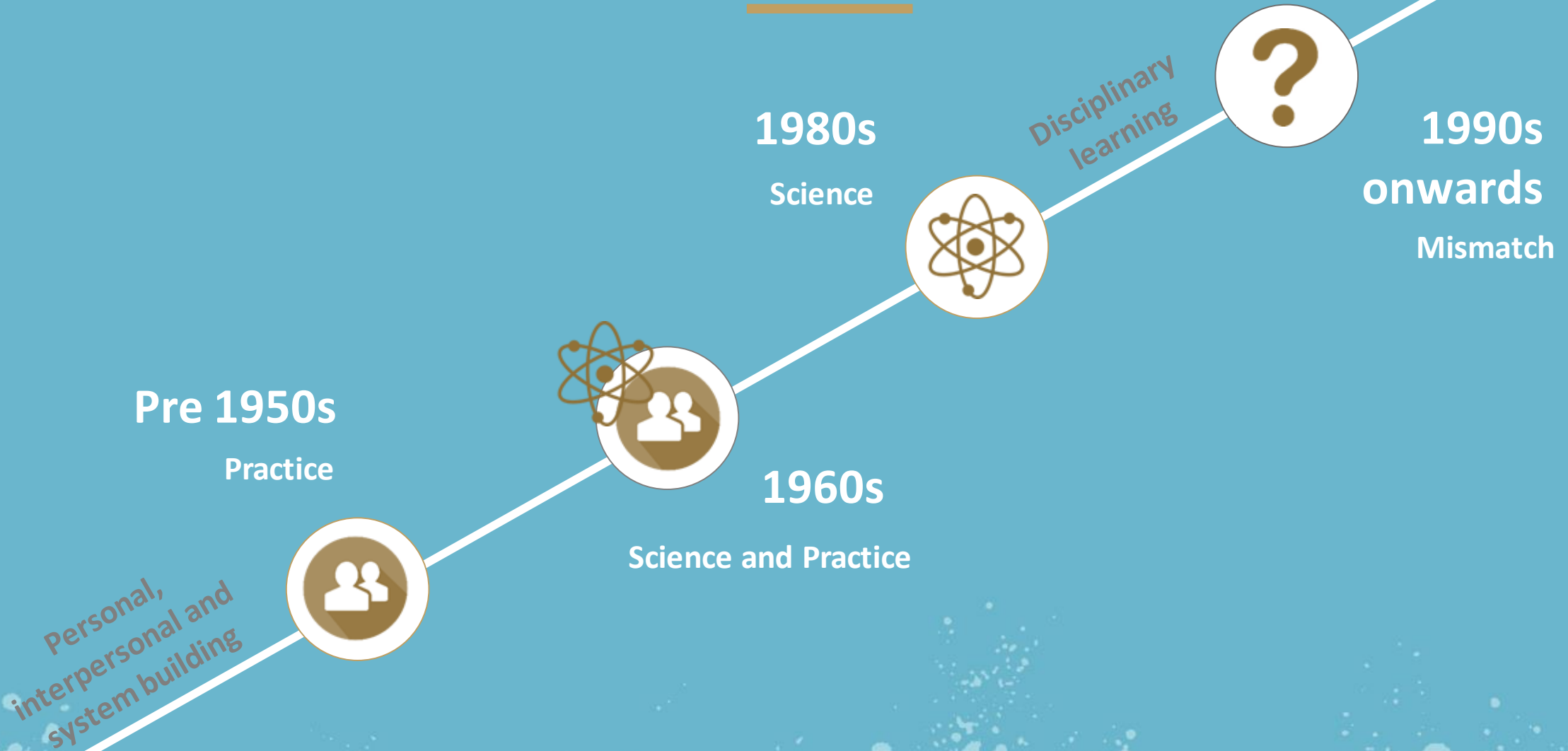
Conference on Young Talent and the Blue Economy

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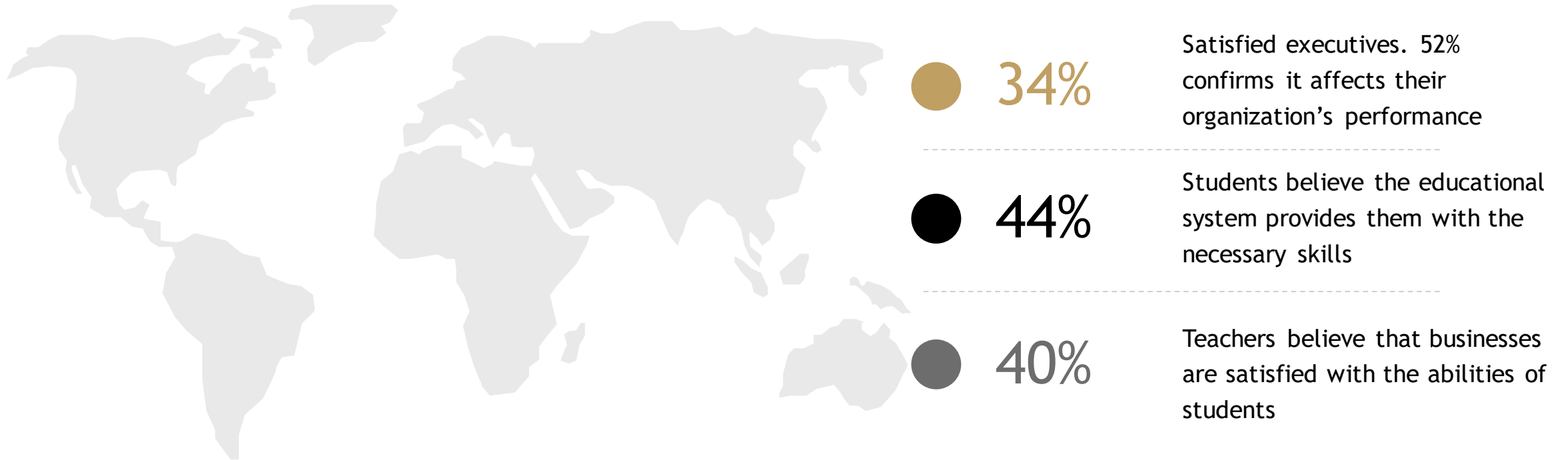
Evolution of Education



Blue Growth

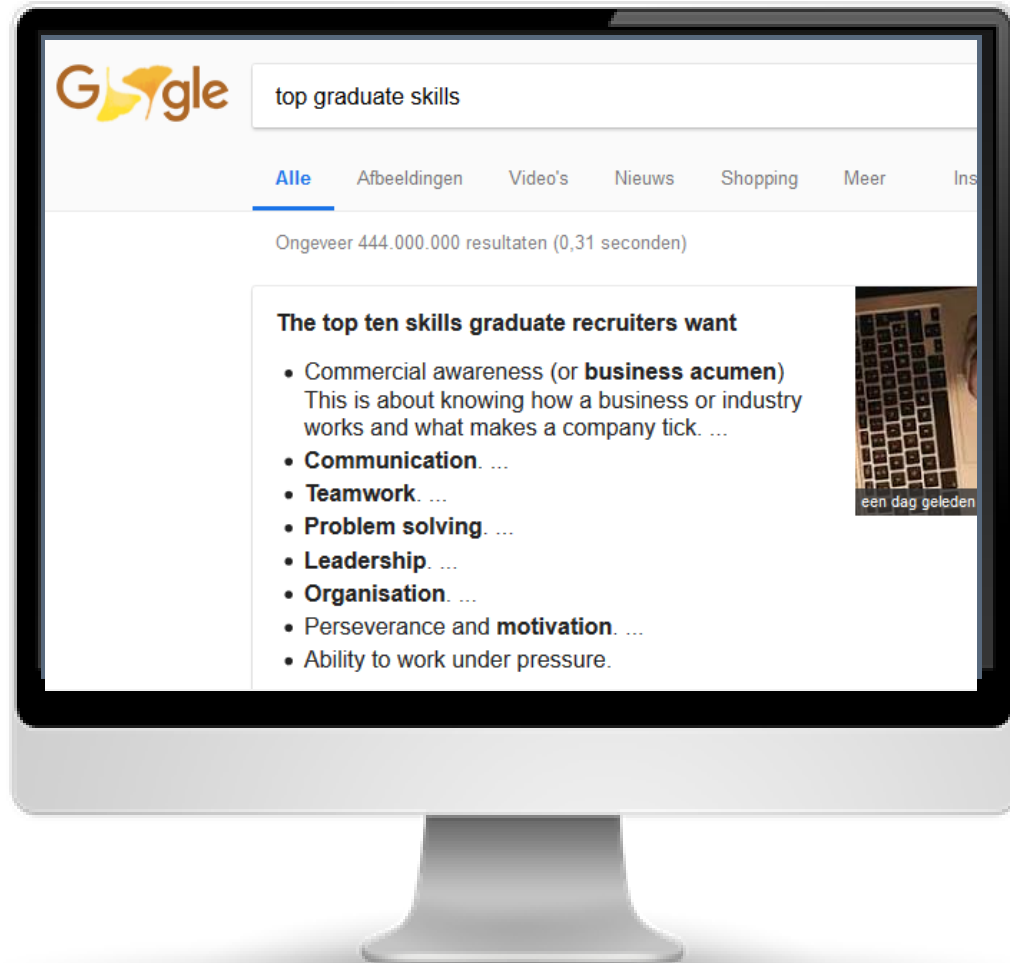
“By 2030, it is expected that half of today’s jobs will be automated or outsourced, 65% of today’s schoolchildren will be employed in jobs that currently do not exist, and more than a third of what are now considered ‘core skills’ will be different”

(EC DG Research and Innovation 2018)



Transferable skills

key essential competencies wanted by employers



Specific skills, abilities and knowledge needed

Complemented with general competencies and behaviors essential for successful working, whatever job you do

Known as transferable skills

Graduate Training System Example

Master's Degree

Combination social and technical science

Focus on application and importance of sustainability

Policy and industry oriented



Independence

Trained to be creative, critical and autonomous



Lab and Field work experience

Perform research, analyse, interpret and communicate the outcome



Bachelor's Degree

Fundamental research oriented

Research thesis

Individual



1 Internship

Company and industry awareness

Organisation awareness



Project

Project planning

Time management

Leadership skills



International experience

Project

Thesis research

Indigenous/local knowledge



Teamwork

Collaboration and Leadership skills

Multidisciplinary and cross-cultural



Mismatch EU Blue economy and education



Industry

- Practical experience
- Knowledge EU institutions and EU policy
- New insights marine science and innovation
- Transferable skills: languages, communication, project management



Education

- Practical experience: 45% project work, 44% internships
- Knowledge EU institutions and policy: 65% policy and management, 41% marine and maritime law
- Marine science and innovation: <1% dedicated marine science programmes, 49% biodiversity and ecology, <15% blue energy and marine planning
- Transferable skills: >50% includes transferable skills training (only in



Mismatch

- Practical experience: 1/2
- Knowledge EU institutions and EU policy: 1/2
- New insights marine science and innovation: 1/2
- Transferable skills: 1/2



What does a modern fit-for-purpose marine graduate training system look like?

01

Enlarge practical experience, increase opportunities to get to know different sectors with proper guidance



02

Strengthen industry presence from consultation towards involvement in programme development and offering trainings and internships



03

Create a system giving equal focus to social and technical science



04

Offer multi-disciplinary courses addressing complex issues on a social, environmental and scientific level with a stakeholder approach

05

Intertwine the sustainability concept within the entire training. Create the understanding of what it entails and how to achieve it



06

Include transferable skills training already at Bachelor and Masters level

