

Future Maritime Skills – more than STCW

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About SkillSea

- ▣ Programme: Erasmus+
- ▣ Instrument: Blueprint for sectoral cooperation on skills
- ▣ Total budget: € 4 million
- ▣ Duration: 2019 – 2022
- ▣ Consortium: 27 partners in 16 countries





Future skills – based on what?

Research project: Future maritime competence

- 2 workshops with the HRM departments in shipowners and rig companies on which competence they will demand in the future.
- Internship onboard Havila Jupiter.
- Questionnaire to seafarers where they were asked what they think is the vital competencies for the future seafarers.

Skillsea – analysis

- 5 shipping industry ‘champions’ about their ideas on the way in which the sector is changing and of the necessary future skills.
- Interviewed 13 experts from across the industry.
- Literature review



Where are we?





Leadership and management skills

- Leadership skills
- Management of new cultures
- Human Resource Management
- Change management
- Knowledge management
- Client management
- Communication
- Rules and regulations
- Role as link between onshore and offshore
- Economic understanding
- Project management



Digital skills

- Use of digital systems for administrative tasks, navigation, communication, quality assurance and supervision of machinery and maintenance systems
- “With the digital possibilities we have today it is possible to move more of the work onboard the ships and reduce the administration onshore”.



Innovation skills

- ▣ Operational experience and knowledge to R&D projects
- ▣ Key concepts of innovation and entrepreneurship
- ▣ Entrepreneur and intrapreneur skills





Technological skills

- Automation of a number of tasks
 - Automation of entire operations / voyages
 - Automation of ship systems
 - Manage the interaction between the conventional and autonomous ships
- The question is not if, but to what extent and when the process will happen and which skills will be needed onshore and onboard.



Changes needed in the maritime education

Updated lectures

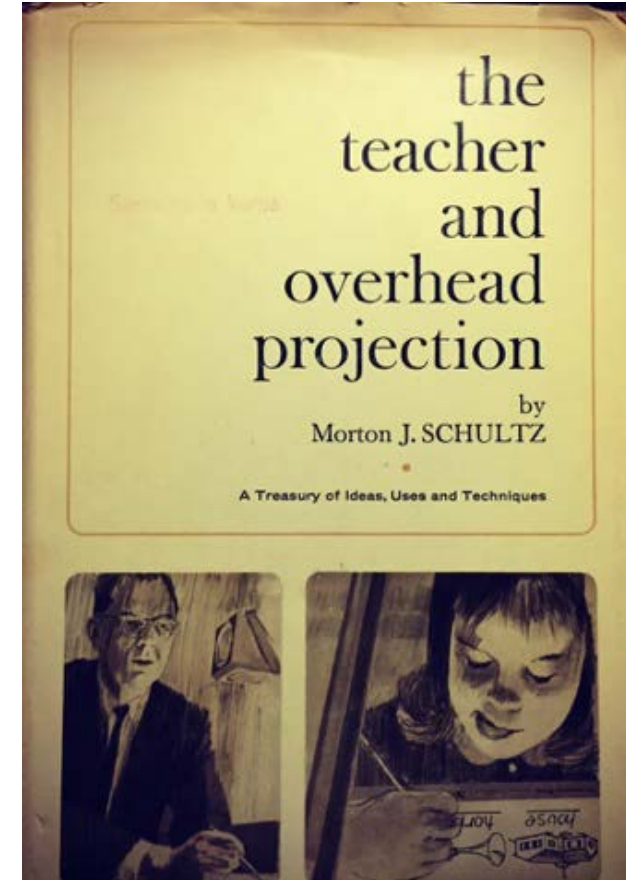
- “not like it was 20 years ago”
- Placements in industry
- Close dialogue with the industry
- Teachers should participate in industry events
- Lectures from other academic disciplines than the maritime

Updated equipment

- simulators
- ICT
- Navigational systems and other technical systems

Updated information

- In English about and within the education programs
- Better learning outcome descriptions





Thank you for the attention!

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