SKILLSEA

Future-proof skills for the maritime transport sector

Work Package 1 :
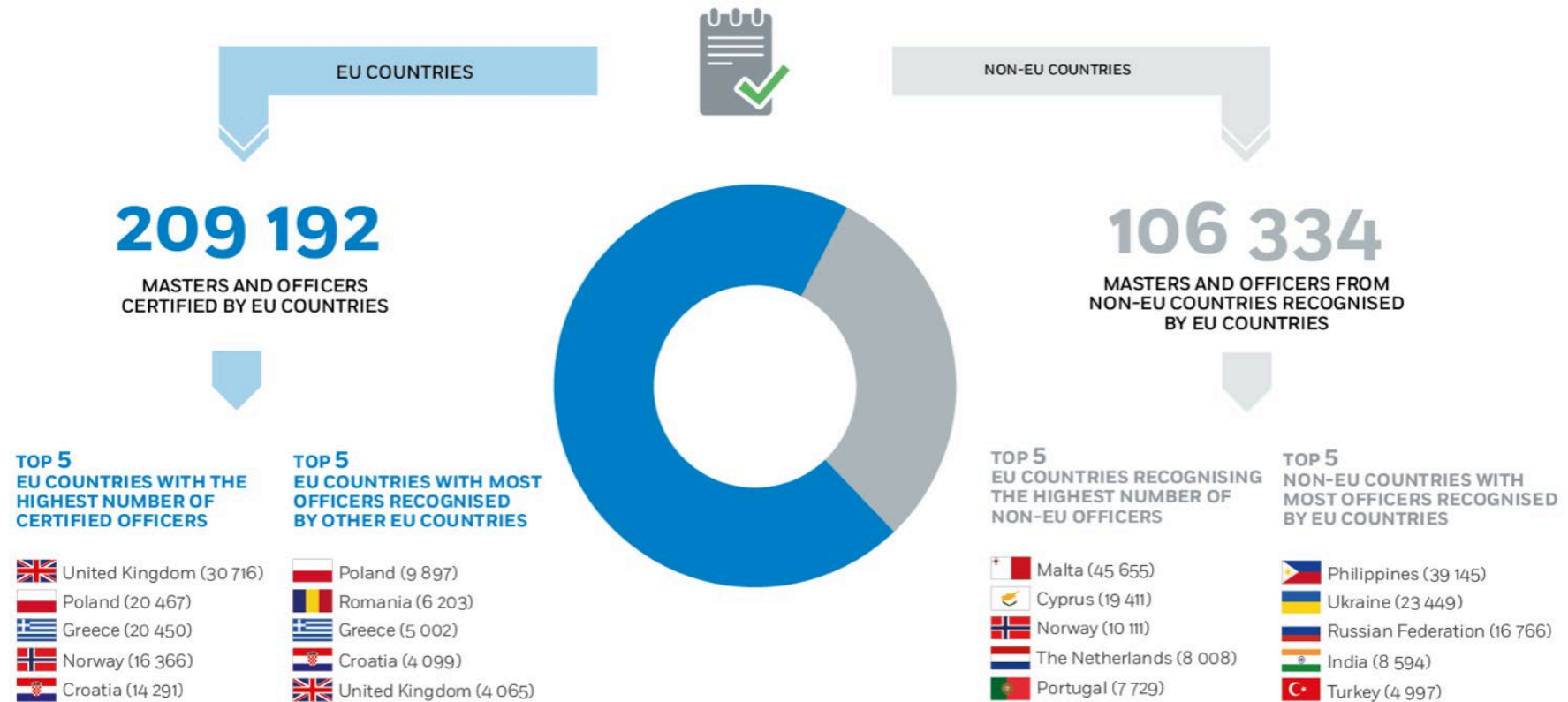
Norwegian University of Science and Technology

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SEAFARER STATISTICS IN THE EU

A SNAPSHOT OF THE NUMBER OF SEAFARERS HOLDING CERTIFICATES OF
COMPETENCY & ENDORSEMENTS ATTESTING RECOGNITION BY EU COUNTRIES
VALID IN 2018, AS REPORTED IN EMSA'S STCW INFORMATION SYSTEM

EU COUNTRIES

NON-EU COUNTRIES

209 192

MASTERS AND OFFICERS
CERTIFIED BY EU COUNTRIES

106 334

MASTERS AND OFFICERS FROM
NON-EU COUNTRIES RECOGNISED
BY EU COUNTRIES

TOP 5
EU COUNTRIES WITH THE HIGHEST NUMBER OF CERTIFIED OFFICERS

- United Kingdom (30 716)
- Poland (20 467)
- Greece (20 450)
- Norway (16 366)
- Croatia (14 291)

TOP 5
EU COUNTRIES WITH MOST OFFICERS RECOGNISED BY OTHER EU COUNTRIES

- Poland (9 897)
- Romania (6 203)
- Greece (5 002)
- Croatia (4 099)
- United Kingdom (4 065)

TOP 5
EU COUNTRIES RECOGNISING THE HIGHEST NUMBER OF NON-EU OFFICERS

- Malta (45 655)
- Cyprus (19 411)
- Norway (10 111)
- The Netherlands (8 008)
- Portugal (7 729)

TOP 5
NON-EU COUNTRIES WITH MOST OFFICERS RECOGNISED BY EU COUNTRIES

- Philippines (39 145)
- Ukraine (23 449)
- Russian Federation (16 766)
- India (8 594)
- Turkey (4 997)

Source: EMSA

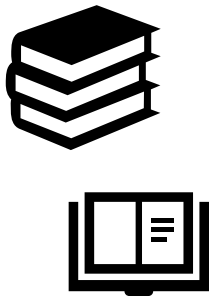**Work Package 1:**

Skills Needs Identification

o   Task 1.1.2 Current skills needs

o   Task 1.1.3 Future skills and competence needs

o   Task 1.2.1 Skills and Competence GAP current and future

o   Task 1.2.2 Identification of mismatches on a structural basis
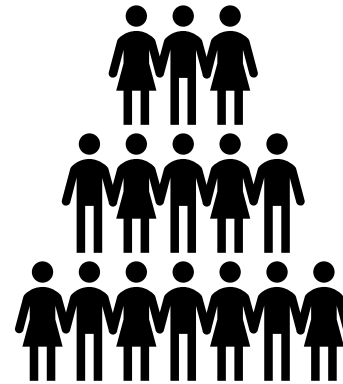
o   Task 1.2.3 Impact on occupational profiles

Research Method
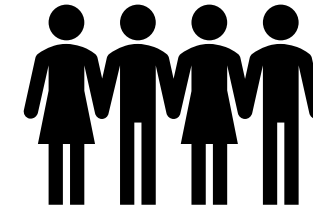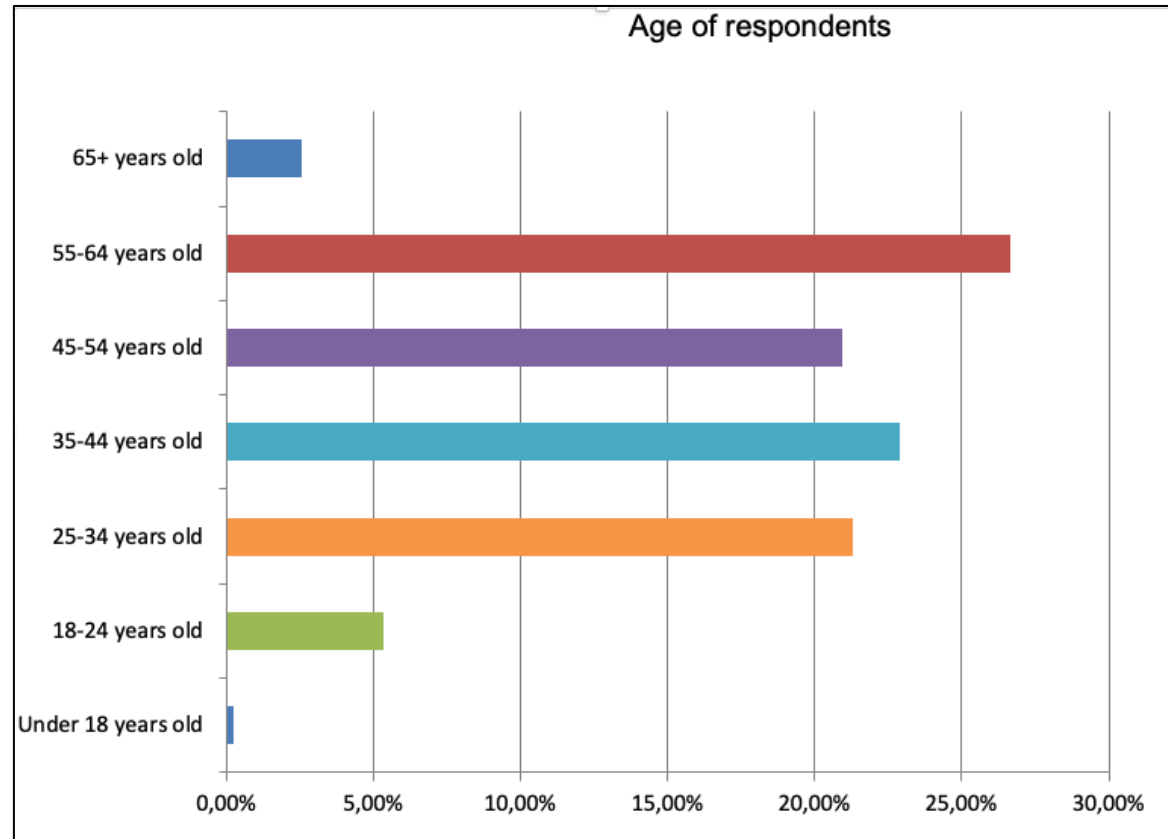
Current skills needs

Literature review

Seagoing
1100 respondents

Shore based
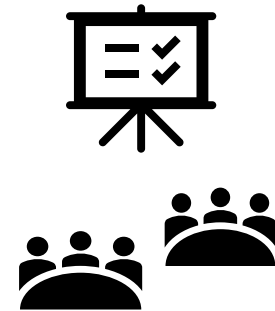450 respondents

Age of respondents

Research Method

Future skills needs

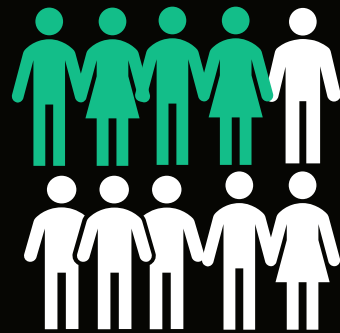Interview Key Visionaries/
Maritime Experts

Analyse reports on future development
DNV-GL, Lloyds, Gartner group etc
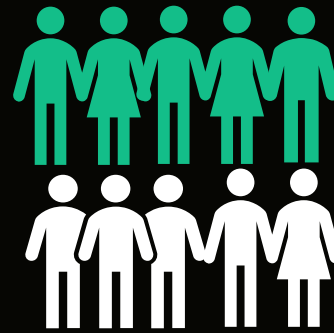
Mapping of METs and METs
competence programs

Survey shipboard personnel
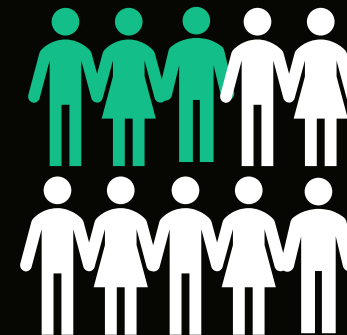
Overburdened with obsolete knowledge?

Important topics are missing?

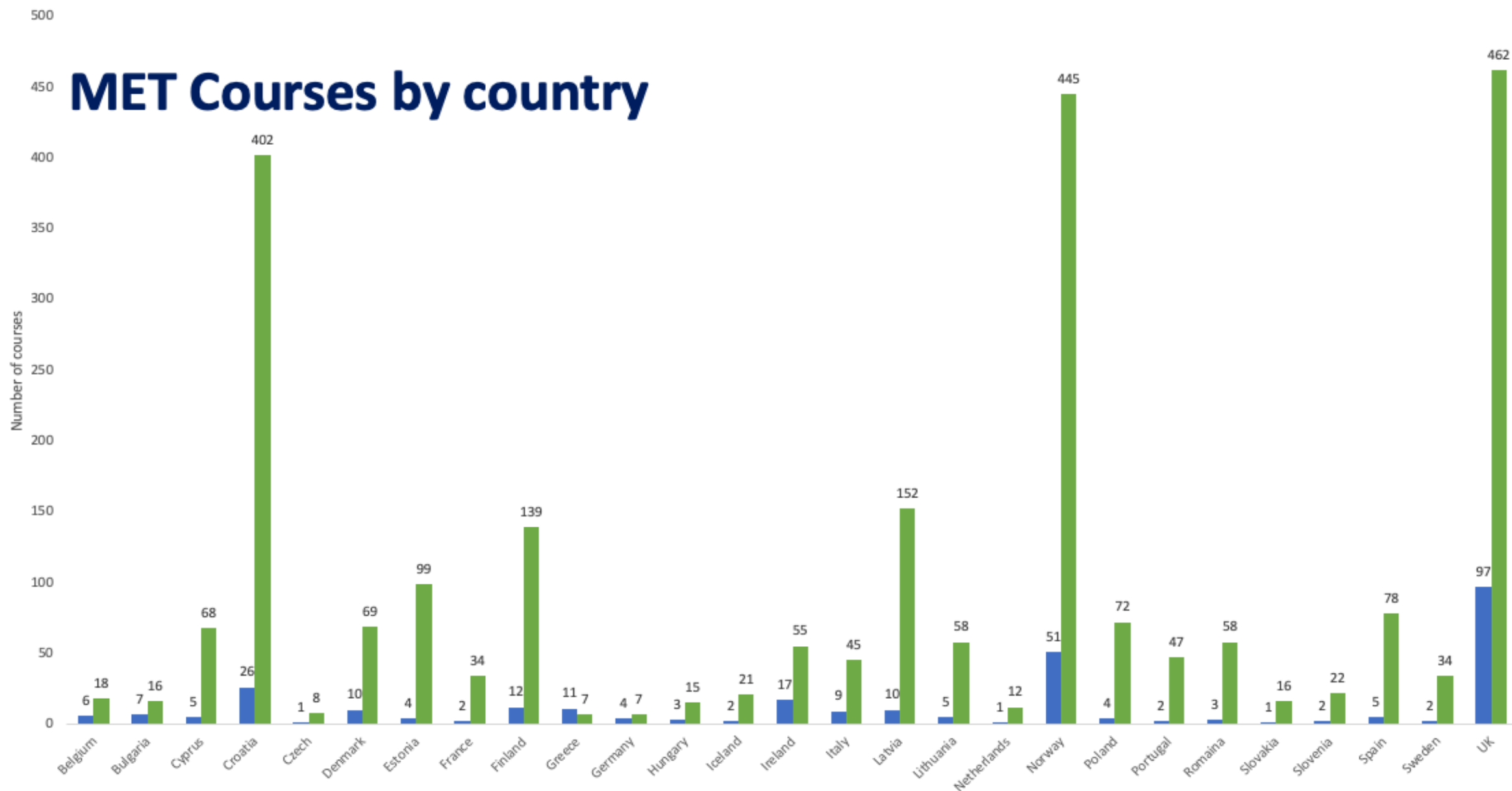Satisfactory in all respects?

Yes: 40%

Yes: 50%

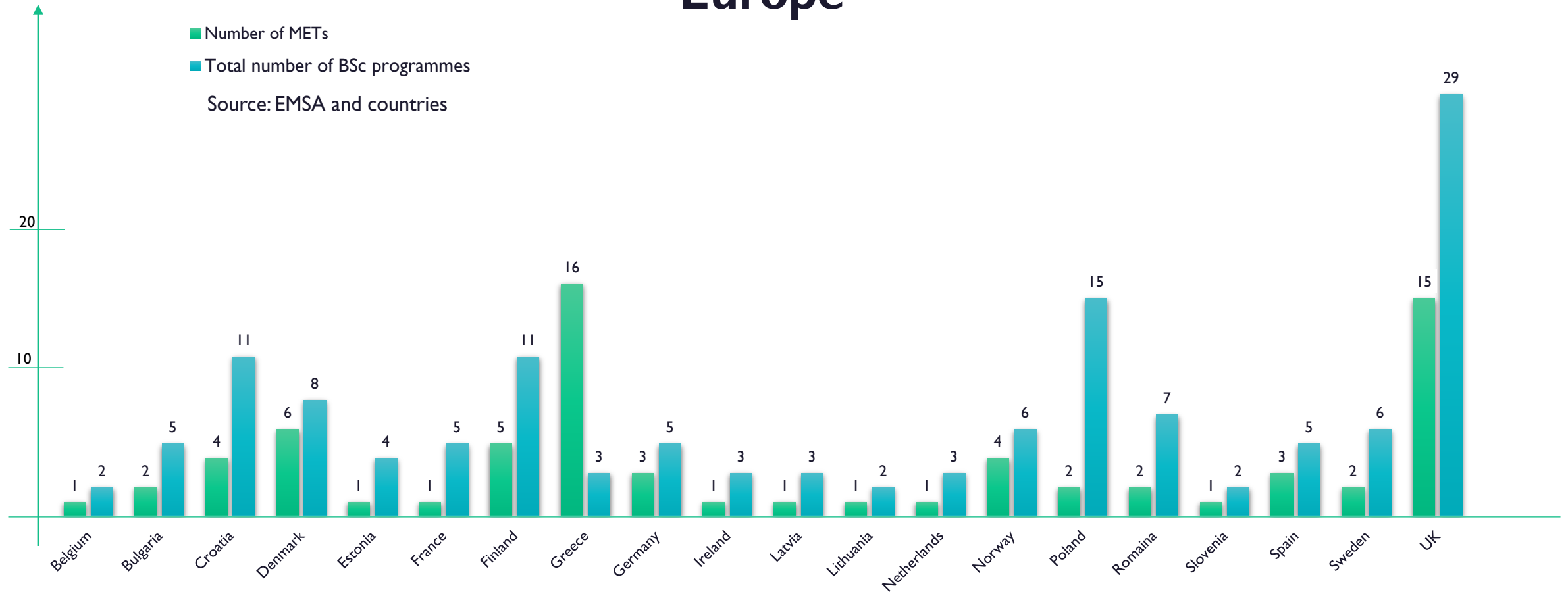Yes: 30%

The total number of METs with the number of STCW courses embodied with certificates

Source: EMSA and countries

MET Courses by country

METs with BSc programmes and Certificates in Europe

Number of METs
Total number of BSc programmes

Source: EMSA and countries
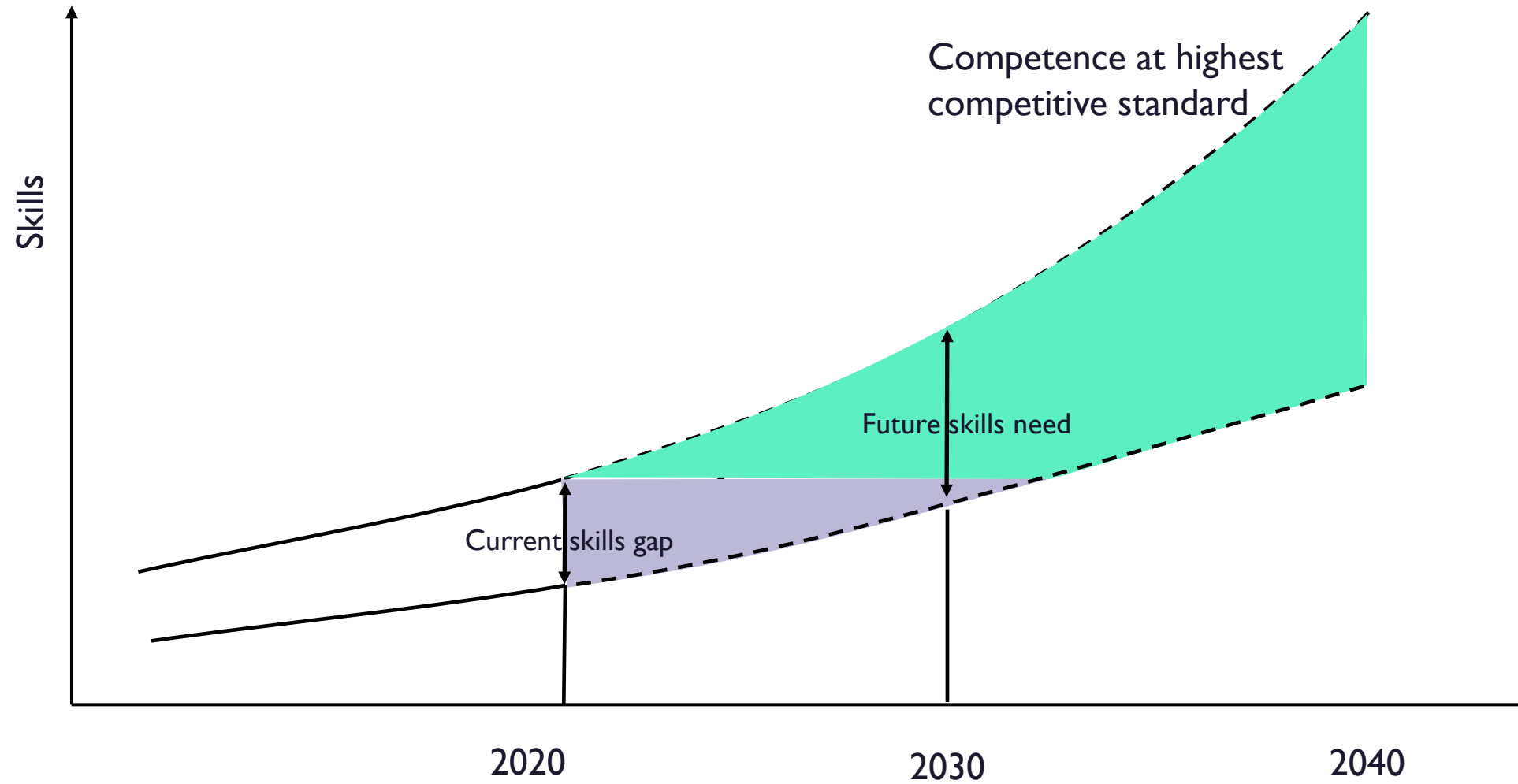
Highest competence

Future skills needs:
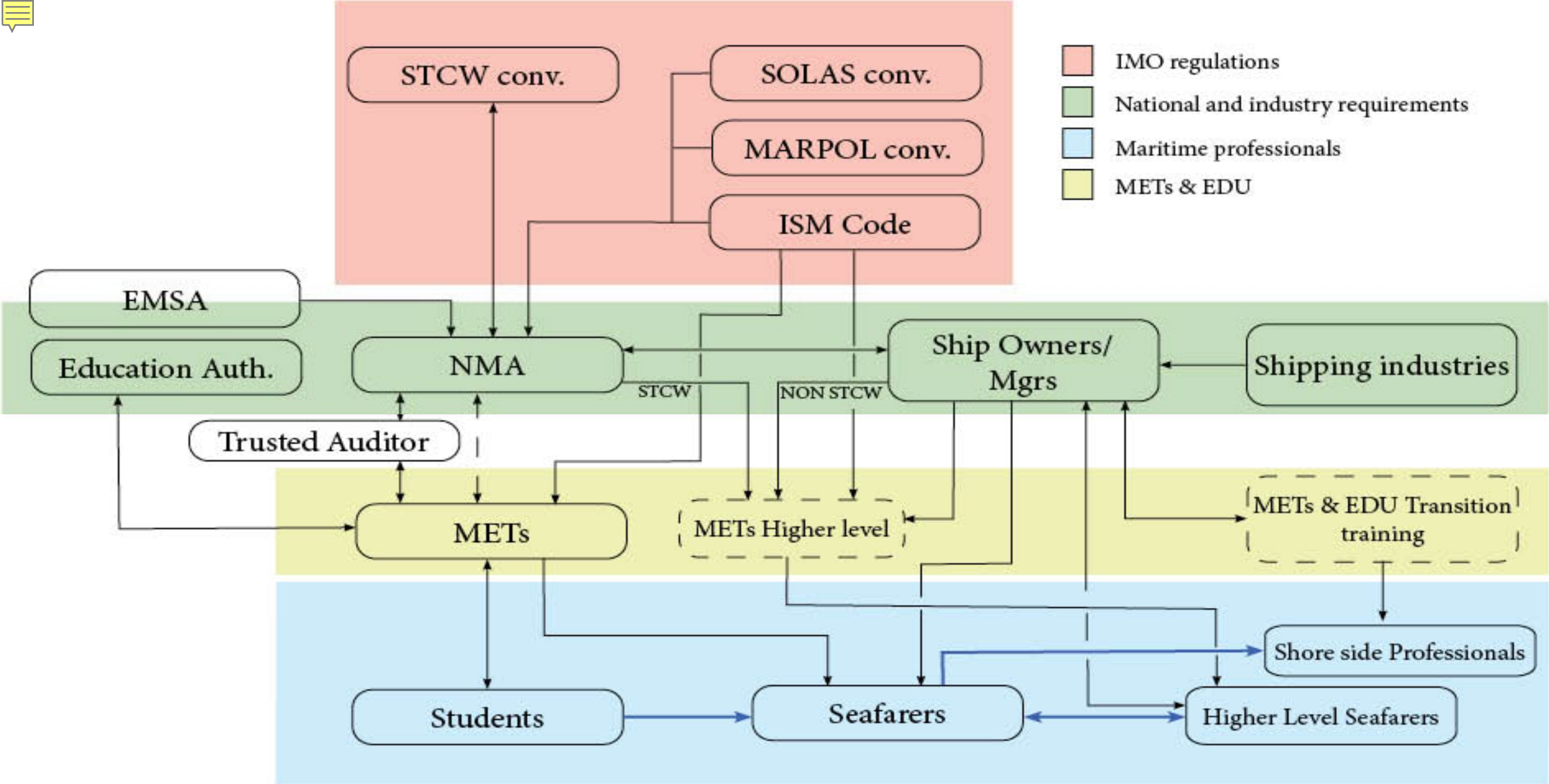- Digital
- Sustainable
- Transversal
- Leadership

Baseline

Current skills GAP:
- Computer literacy
- Leadership
- Maritime law
- Teamwork
- English proficiency
- Maritime economy
- Maritime technology

STCW

European countries

Co-funded by the
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of the European Union

Closing the skills GAP

Skills

Competence at highest
competitive standard

Future skills need

Current skills gap

2020   2030   2040

Legend:
- IMO regulations
- National and industry requirements
- Maritime professionals
- METs & EDU

WP1 Skills need identification

Current skills needs

- Maritime economy
- Maritime law
- Ships technologies
- Green skills
- Digital skills
- Transversal skills

Future skills needs:

- Digital
- Sustainable
- Transversal & Transitional
- Leadership