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EUROPEAN TRADE UNION

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Maritime Technology in Europe

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Outline

European outlook

Employment

Skills

Industry 4.0

Leadership 2020

IndustriALL Europe (SSDC)

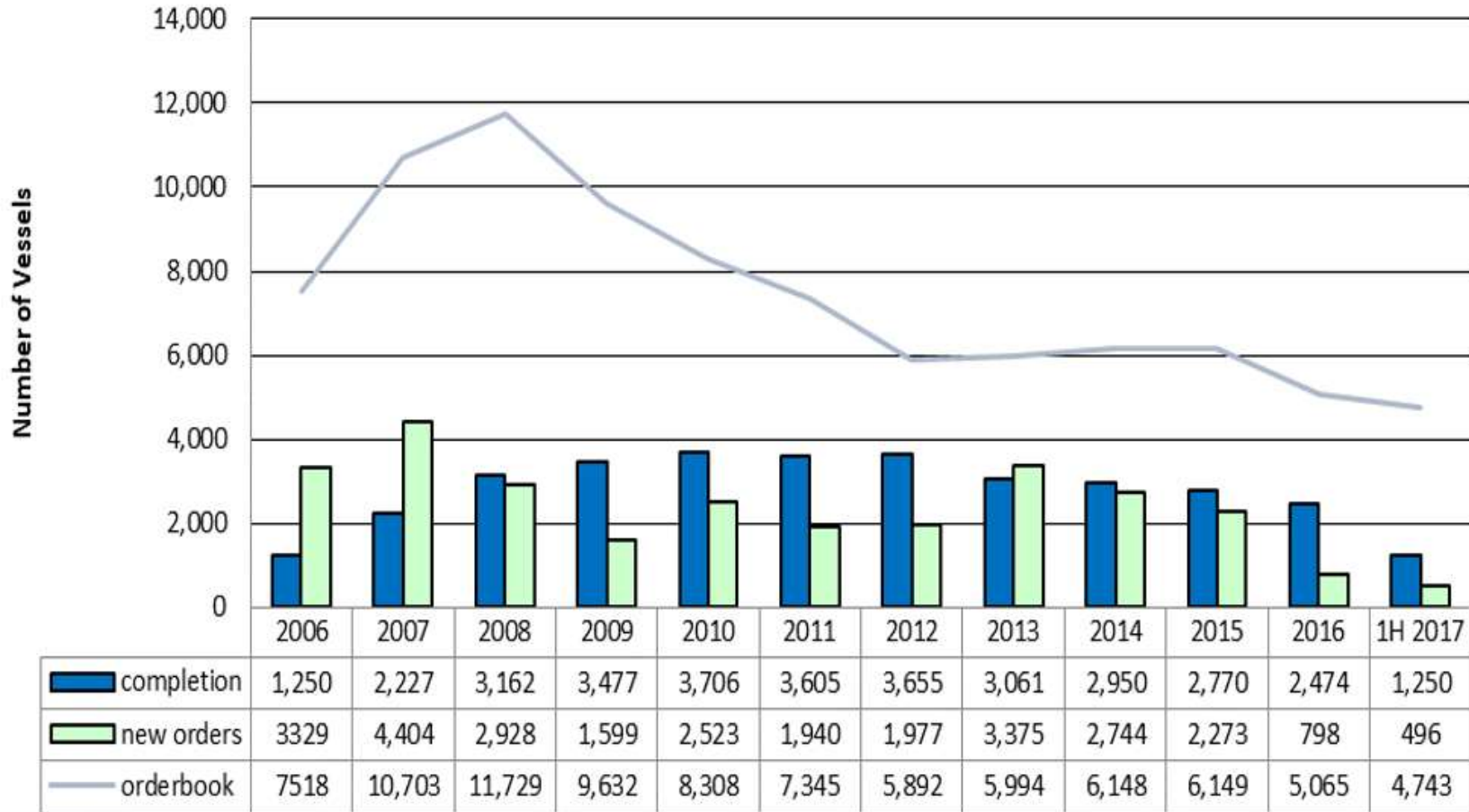
Future

Background

- **2008 crisis-** freight rates collapsed, access to finance, drop in production, low business confidence.
- EU 2020- SMART and SUSTAINABLE growth
- EU 28- EUR 112.5 bn and 23.3% of global production value
- Germany, UK, Italy and France

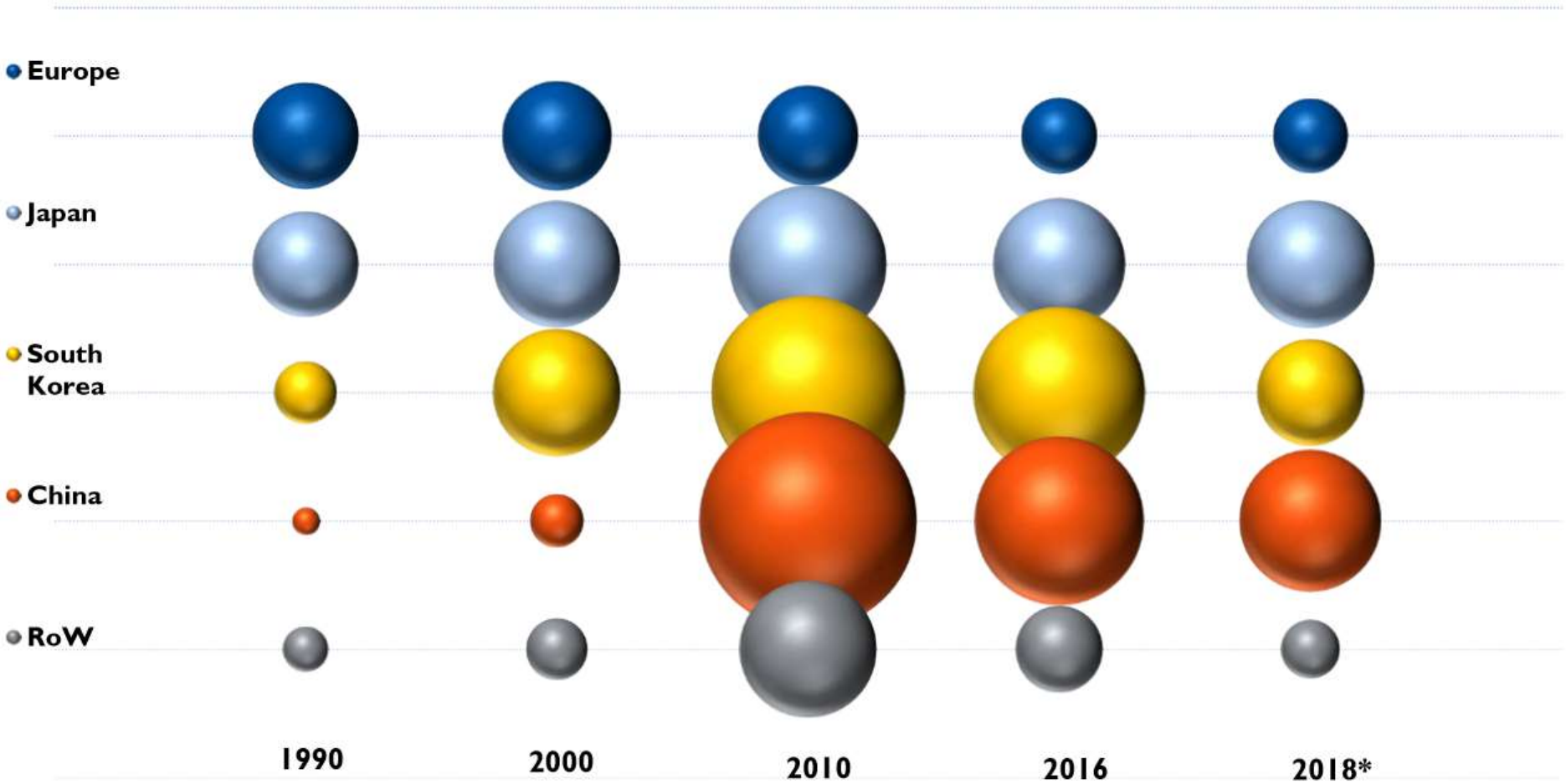
Aggressive overcapacity in Asia

Global Commercial Shipbuilding Activity in Number of Vessels



Data Source: IHS Fairplay

Evolution of Shipbuilding Production in CGT



* According to Orderbook end of 2016

European Outlook

Current situation

- Climate change, energy efficiency, air quality= **green fleet renewal**
- Marine renewable energy
- Globalisation= continued maritime goods and services

Issues

- Fleet/shipping overcapacity
- Economic recession
- Chronic lack of financing

Strategic Vision 2020

- Innovation
- Competitive
- Specialised and green
- Life cycle oriented (environmental footprint)
- Export oriented
- Energy efficient
- Global- a strong European manufacturing base

European Maritime Technology

- Specialised ships- ferries/ river cruise/ high-level cruise
- Shipbuilding and ship repair
- Marine equipment manufacturing- propulsion cargo handling, communication, automation, integrated systems
- Maritime technology
- Offshore energy
- Marine energy

Employment

- 500,000 people
- 1 direct shipyard job creates 7 in the region
- Blue growth
- Increase in precarious work (“self-employed”)
- Importance of developing and retaining skills
- Large steel-intensive cargo carriers to high technology vessels
- How to retain skills and up-skill?

Skills

- Leadership 2020
- Blue print project
- ESCO findings
- Skills council
- Harmonisation of certificates

Industry 4.0

- What is our answer in terms of education and social security?
- How do we prevent inequality as a result of job losses?
- How do we improve unionisation and protect workers?
- New technology= new jobs= new collective bargaining contracts?
- New skills agenda for these areas? New skills profiles?

Leadership 2020

- Response to the effects of the economic crisis on the shipbuilding sector
- Strategic vision: innovative; green; specialised in high tech markets; energy efficient; capable of diversifying into new markets
- Aims: generate sustainable growth and high-value jobs
- Continuing to drive and protect innovation
- Emphasising production optimisation/ knowledge based production
 1. Employment and Skills
 2. Improving market access and fair market conditions
 3. Access to Finance
 4. Research, development and innovation (RDI)

LeaderSHIP 2020

Employment and skills

Pillar 1- Employment and Skills

- Restructuring
- Image and career path
- New skills and lifelong learning
- Harmonisation of certificates and mobility

EESC Hearing and Review

Questionnaire



Further demands

- A European observatory for the compilation of data on H&S.
- The use of different frameworks for public tenders to be considered.
- Implement LeaderSHIP 2020 recommendations for procurement.
- Create a definition for a 'Made in Europe' label.
- Revise the finance instruments available for the sector.
- EU funding should support home-grown technology development.
- Dedicated R&D programmes in 'Blue Growth' opportunities.
- Encourage pioneering companies to invest in new technologies.

SSDC Shipbuilding

Work Programme 2018-2019

- Promote the sector e.g. Maritime Technology Week 2018
- ESCO project follow-up
- Education and recognition of certificates (European harmonisation)
- Industry 4.0- evaluate the impact of new technologies and anticipate re-training needs
- Blueprint project
- Commission globalisation study- analyse

Future

- Marine renewables
- Offshore biomass production and desalination
- Deep-sea mining
- Aquaculture
- Multi-use offshore platforms
- ICT- automisation, additive manufacturing, 3D printing
- Arctic dimension- global temp increase, shipping and exploration and extraction of natural resources

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