



Northern Maritime University
North Sea Region

Innovative concepts for transnational education and research in maritime transport

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"Investing in the future by working together for a sustainable and competitive future"

European Union



The Interreg IVB
North Sea Region
Programme





Current Situation on Education in Maritime Transport

- Requirements for professionals in maritime transport:
Quality, Internationality and Accessibility
- Challenges for the educators
 - Lack of industry-specific educators
 - Complexity to make available requirements possible in the most efficient way
- Policy: Strategic goals & recommendations of the EU's maritime transport policy until 2018



How to cope with the challenges?

- Innovative concept on services and products which respond the industrial needs and complexity
- Dynamic collaboration platform
- Network development and engagement among high quality educators, professionals and policy makers



Innovation

- ***Process innovation...***

...is the implementation of a new or significantly improved production or delivery method.

- ***Product innovation...***

...is the introduction of a good or service that is new or significantly improved with respect to its characteristics or intended uses.

Sources: <http://stats.oecd.org/glossary/detail.asp?ID=6868>

<http://stats.oecd.org/glossary/detail.asp?ID=6870>



Key “ingredients” for innovation

Open &
open source

Flexibility

Skill
Development

Transparency

Innovation
Infrastructure

Knowledge

Network for Innovation
Mentoring & Facilitation

...



A new approach

Northern Maritime University – project

- Partly funded project by ERDF under the programme Interreg IVB North Sea Region
- Project period: April 2008 – April 2011

Vision:

The academic network for
innovative maritime education and R&D

Mission:

The establishment of a sustainable collaboration between
industry and educational institutions to enhance the
innovation capacity of the maritime industry.

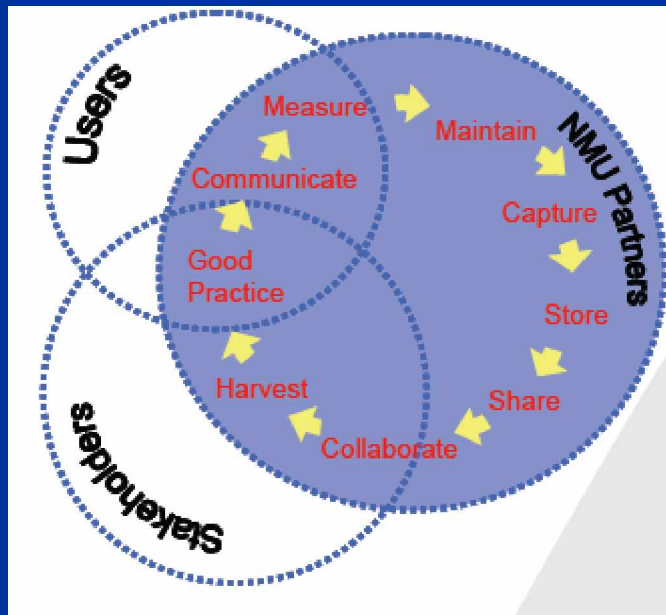


nmU Global Objectives

- To ***create a collaborative network*** of universities, institutions, maritime industry, and related organisations.
- To ***enhance the European maritime business sector*** by delivering teaching and qualifications that correspond to the industry's needs and expectations.
- To ***develop agreed curricula*** of maritime, port and short sea shipping (SSS) related teaching modules.
- To ***educate and train forward thinking professionals*** in the maritime and port industry.
- To ***create awareness and interest*** in the maritime industry and port sector as well as with policy makers.



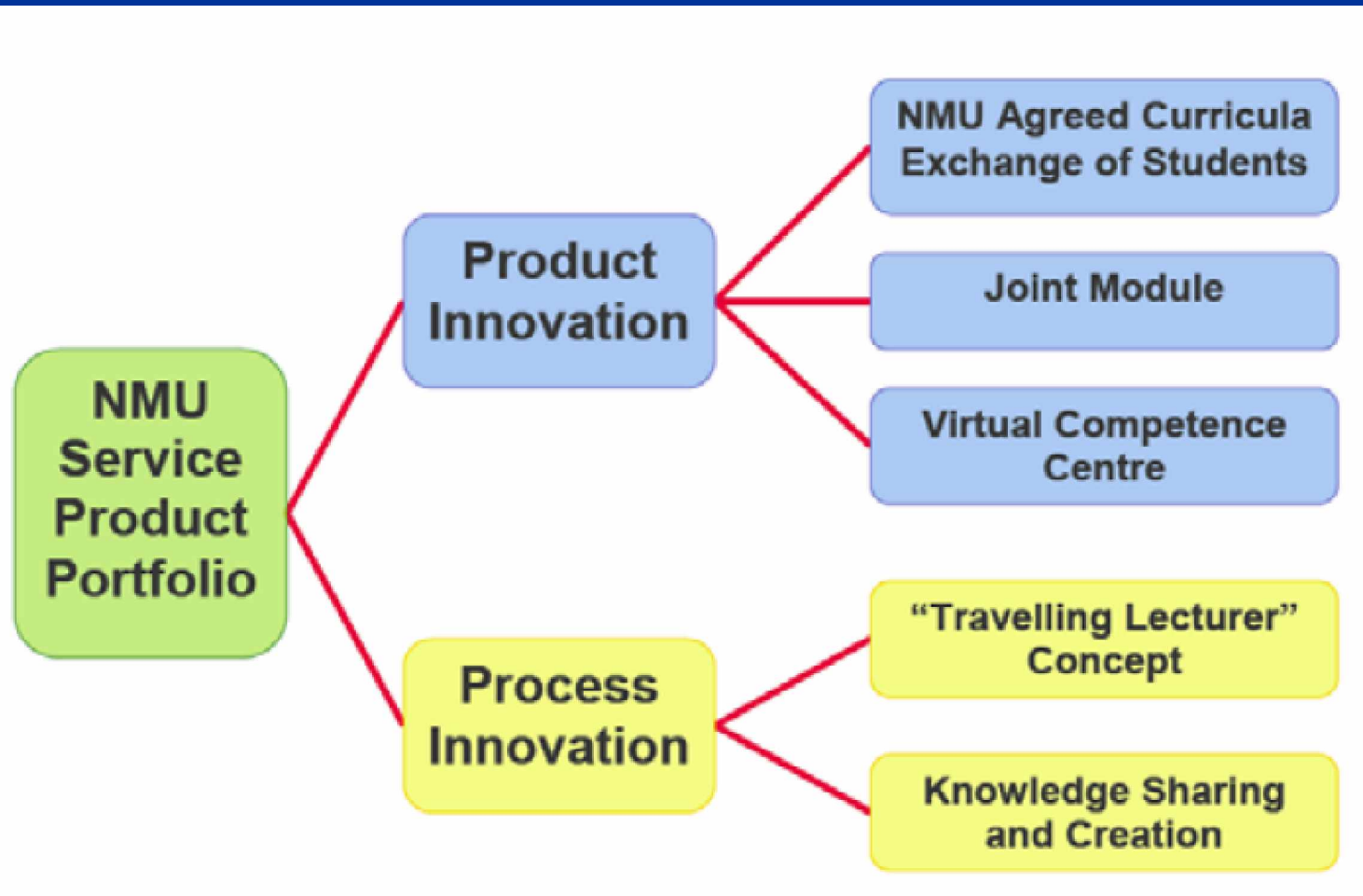
NMU Knowledge Circle



The extensive knowledge and expertise within the NMU partners will be brought together to **create a network of universities**, able to specifically and directly **address the education and training needs** of the maritime industry. The new **education offerings** will be **developed by the NMU partners in cooperation with stakeholders and users** involved in maritime transport.



Service Product Portfolio





Service Product Portfolio

Some examples from the Service Product Portfolio:

➔ “Travelling Lecturer” Concept

- Lecturers will not only teach at their home universities but also at partner institutions
- Students gain international learning experiences from external lecturers
- Following a modular structure, outcomes of the courses can be fully credited



Service Product Portfolio

➔ Knowledge Sharing and Creation

- Knowledge, each institution gained through close relations with maritime companies, can be shared and provided to a greater group of people
- Common development of products or services will help creating something really new



e-Collaboration Platform

What is it?

an integrated web platform which provides the access to education, research and industrial cooperation within a single virtual location.

Who uses it?

NMU community members (incl. stakeholders), other universities, research institutes, maritime related institutions and companies in maritime business.

Why is it good?

- High level of accessibility to information among the community members
- Enhanced collaboration by exploiting available web technology
- Single access to all services and information
- Facilitated accessibility to knowledge on maritime transport
- Synergies between industry and education through knowledge and information trading



e-Collaboration Platform

- Virtual Competence Centre facilitates NMU service offerings such as knowledge support, research and benchmarking services as well as establishment of common research projects

Main Features at a Glance

E-Learning

Working, discussing and collaborating on-line in one place

Source of Knowledge and Expertise in Maritime Transport

Information Exchanges



Challenges for success

- Acceptance from industry
- Innovation
- Accessibility
- Continuity
- Sustainability
- Quality assurance



Addressing challenges

How will they be addressed?

- Self enhancement strategies
- Continuous dialogue and cooperation with stakeholders
(to provide them with “what they really need”)
- “Mobilisation” of knowledge
- Allow for “organic” growth
- Avoidance of institutionalisation



Conclusion

- Quality, internationality and accessibility as main challenges
- Challenges from strategic goals & recommendations of the EU's maritime transport policy until 2018
- Innovative concept for transnational education on maritime transport as a supportive solution
 - New concept of learning and teaching
 - Synergies on expertise and resources
 - Use of available technology to perform best practice



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**Thank
you**

Visit us at: www.nm-uni.eu

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