

MET Erasmus+ Newsletter

Capacity Building in Maritime Education

Co-funded by the
Erasmus+ Programme
of the European Union



Focus on Maritime Partnerships

This 1st edition of the MET Erasmus+ capacity building project newsletter focuses primarily on the initial kickoff meeting at the end of February 2019, hosted by Germany & Finland.



Erasmus+ Objectives

ERASMUS stands for **E**uropean **R**egion **A**ction **S**cheme for the **M**obility of **U**niversity **S**tudents.

The aim of the Erasmus+ capacity building project in Maritime Education and Training (MET) that is currently taking place between the six participating maritime universities, is to develop systems processes aiding the development of Maritime Education & Training.

The project is geared towards the fostering of dialogue in order to enhance the following objectives within the various institutions:

(1) The development of the respective MET curricula, (2) enhancements in pedagogical processes, and (3) to develop facilities and resources in order to deliver a quality education.



The Erasmus+ MET teams from Finland, Germany, UK & South Africa (Feb 2019)

Participating Universities

Finland Satakunta University of Applied Sciences (SAMK) situated in Rauma

Germany Hochschule Wismar University of Applied Sciences (HSW) situated in Warnemünde

UK Solent University situated in Southampton

South Africa Nelson Mandela University situated in Port Elizabeth

Cape Peninsula University of Technology (CPUT) situated in Cape Town

Durban University of Technology (DUT) situated in Durban





HSW, Warnemünde (Germany)

25th & 26th February 2019:

Auditorium, Hochschule Wismar, Warnemünde, Germany

Germany: MET review (Degree program)

Germany outlined their curriculum, with Dr. Knud Benedict providing an overview to the courses offered at HSW, the laboratories and the workshops. Gerrit Tuschling gave an interesting presentation on the curriculum for the BSc Nautical Science program, and the available add-on modules (specialisations). Georg Finger gave an insightful presentation on the Ship Engineering Science program and the available add-on modules. This was followed this with a tour of the facilities, including simulation and workshop equipment.

Dr. Benedict then provided an overview of the curriculum for the MSc Operation and Management of Maritime Systems program. The maritime degree programs at HSW have been developed on the four “e” principle, which was described as follows:

- (1) Essentials (*Cover the STCW code as a minimum requirement*)
- (2) Enhancements (*Provide for specific objectives & complex systems*)
- (3) Enlargement (*Provide additional subjects/electives for shore-based employment*)
- (4) Elevation (*Provide for higher academic degree progression*)



Engine Room Simulation



Workshop Equipment



View from within the bridge (360 degrees) of the navigation simulator at HSW, Warnemünde

Full Mission Bridge Simulation...and more

The Maritime Simulation Centre Warnemünde (MSCW) is the only one worldwide offering the possibility of combining the simulation of nautical and technical ships' operations even covering the shore-based support by a VTS system.

The MSCW combines the 4 simulators: (1) SHS – Ship Handling Simulator, (2) SES – Ship Engine Simulator, (3) VTSS – Vessel Traffic Services Simulator, and (4) SST – Ship Safety & Security Trainer.



SAMK, Rauma (Finland)

28th February & 1st March:

Satakunta University of Applied Sciences, Rauma, Finland

Finland: MET review (Degree program)

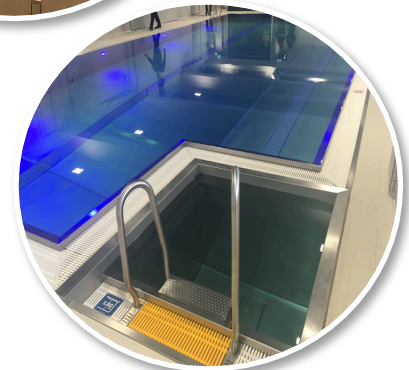
SAMK outlined their maritime curriculum, which is completed over a period of 4,5 years and comprises 270 credits on the Finnish system. The two streams offered by the Finnish Universities of Applied Sciences include:

- (1) Sea Captain
- (2) Engineer Maritime BSc (Chief Engineer)

Jarmo Teranen provided a very interesting talk on the Finnish education system, and how it integrates with the maritime programs offered at SAMK. This was followed by a tour of the facilities, including a 5 degree C plunge pool, basketball court, simulation and workshop equipment.

Toni Haapanen provided a talk on the engineering curriculum offered at SAMK, and followed this with a display of the marine engineering simulators that are in use at SAMK.

SAMK makes extensive use of the simulators, workshops (for engineers) and laboratories (for engineers) that form part of their pedagogical process. Onboard training is reviewed by the institutions and accepted as part of the course curriculum.



Masters Degree Programs at SAMK

Dr. Sauli Ahvenjarvi provided a talk on the Masters degree programs offered by SAMK, and the requirements to enter the Masters programs.

SAMK has an impressive distance-learning auditorium where the MSc classes are streamed out to students who are unable to attend the lectures. These facilities were showcased as part of the tour of SAMK's facilities.





Solent University, Southampton (UK)

Scheduled Campus Visit [June 2019]

Southampton Solent university's maritime courses have been ranked among the best in the world. The university conducts undergraduate and post graduate level courses on Maritime Business, Supply Chain Management, Logistics and Maritime Law.

Details and pictures of the Solent University facilities will be included in the following edition of the MET Erasmus+ newsletter.



Solent University

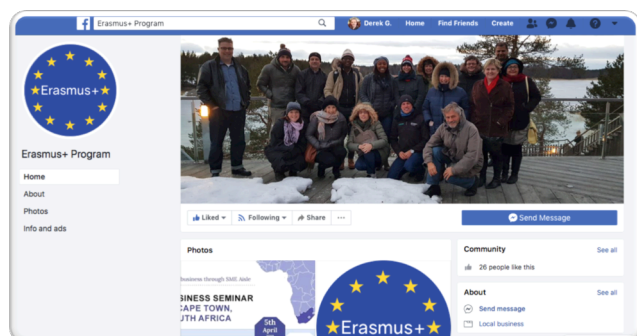


MET Erasmus+ Website

The MET Erasmus+ website has been launched and can be found at <http://www.meterasmusplus.com>

The website will include updates of the progress made at the various institutions throughout this project, and will be a source of information concerning the educational programs offered by the various institutions. Should you wish to become involved, and receive editions of the MET Erasmus+ newsletter, please do make contact via the links provided on the website.

MET Erasmus+ Facebook Page



The MET Erasmus+ Facebook page has been also been launched to provide further information about the MET Erasmus+ project.

The Facebook page can be accessed directly through Facebook at

<https://www.facebook.com/Erasmus-Program-1329552620542248/>

or via the website.

Each edition of this newsletter will include a photograph of a different university as the cover photo.



Introducing MAISA

The institution 'Maritime Academic Institutions of South Africa' (MAISA) has been established as a free voluntary association that aims to bring together the affiliated role-players within the South African Maritime Academic Institutions in South Africa, for the following purposes:



- To promote South African maritime education and training towards being in a position where the standards are comparable with international standards
- To promote South African maritime student and maritime academic interests in order to build capacity
- To promote the ideals of the maritime institutions and to express and promote shared institutional viewpoints from a position of greater collective strength
- To allow for greater sharing of information between affiliated parties

To access MAISA newsletter, please follow the link - <http://meterasmusplus.com/maisa-introduction.pdf>

ACADEMIC PROGRAM INFORMATION

For information about the academic programs at the respective institutions, please contact the management committee members via EMail, or follow the links listed below.

MET Erasmus+ Management Committee Members & Institutional Links

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Any further information about the project, or the website and Facebook pages managed through this project, please contact the editors (names listed below).

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