Interreg Baltic Sea Region

Seed money project

Human XFactor at Sea

Lead partner: University of Turku, Centre for Maritime Studies

Human XFactor at Sea: Facts

Project name:	*Improving the understanding of the human factors in the current and future digitalized maritime environment to increase maritime safety*
Priority:	Institutional capacity for macro-regional strategies
Duration:	October 2020 – September 2021
Total budget:	50 000 €
Lead partner:	University of Turku/Centre for Maritime Studies

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Human XFactor at Sea: Partners

Four project partners from three BSR countries:

Lead partner:	University of Turku, Centre for Maritime Studies, FI
Project partners:	Lund University School of Aviation, SE
	Tallinn University of Technology, Estonian Maritime, Academy, EE
	Chalmers University of Technology, Division of Nautical Studies, SE

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Human XFactor at Sea: Background

- EMSA reports (2019) that
  - during 2011 – 2018, over 25 000 ships were involved in accidents
  - almost 700 people lost their lives,
  - over 7600 persons were injured
  - altogether 230 ships were totally lost

- In over 65% of these accident events, human factor was cited to be the cause, year in, year out.
- Despite all the technological development and other measures taken, the human factor remains the main cause of maritime accident events

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Human XFactor at Sea: Outputs

1. Report on the state of play
    - Situation in the field
    - Gaps and challenges
    - Description of the need of the relevant target groups
    - An overview of complementary projects/activities
2. Work plan of the Main project
    - Planned objectives and results
    - Planned approach
    - Definition of partners
3. Report on funding possibilities
    - A road map defining steps to be taken

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Human XFactor at Sea:
Main project: starting point

- The influence of the human factor upon safety at sea is a complex and multidimensional construct
- This sociotechnical system becomes even more complex with increased deployment of technologies (digitisation, AI, automation)
- New risks and challenges can emerge

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Human XFactor at Sea:
Main project to be developed

- aims to improve the under-standing of the human factor and how does the human cope with the ever digitising/automated maritime environment, and interact with different systems.

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Human XFactor at Sea: coming up

Workshop I

"XFactor: A Workshop on the Challenges of Maritime Safety from Digitisation of Maritime Operations"

- 2 – 3 December 2020, online
- to gain a better understanding of today's maritime safety landscape
- focus upon the role and functions of maritime practitioners within this complex sociotechnical system
- Registration: *https://konsta.utu.fi/Default.aspx?tabid=88&tap=9956*

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Human XFactor at Sea

Contact information

Kirsi Laitio
Centre for Maritime Studies
University of Turku
FI-20014 UNIVERSITY OF TURKU

Mob. +358 40 7799 483
E-mail: Kirsi.Laitio@utu.fi

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ESTONIAN MARITIME ACADEMY

CHALMERS
UNIVERSITY OF TECHNOLOGY