



SAFEMODE

Strengthening synergies between Aviation and Maritime in the area of Human Factors towards achieving more efficient and resilient MODES of transportation.



EUROCONTROL

Training Package: *Introduction to Capacity Building for Human Factors*

SAFEMODE-CBHF

SAFEMODE Partners



This project has received funding from European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement N°814961.

- This introductory training course is designed to support capacity building for Human Factors in maritime and aviation. It is part of SAFEMODE project activities on Human Factors policy design and implementation.
- It has drawn on maritime and aviation SAFEMODE partners' expertise on Human Factors and on SAFEMODE project's outcomes. A number of the main messages from the consultation process with maritime and aviation stakeholders are included as well.

- Often incidents and accidents are attributed to human involvement/human-related factors or “human error”.
- This gives the wrong impression that people cause incidents and accidents, put blame on people, and avoid learning.
- However, “most mistakes, actions, omissions or decisions are themselves the result of structural deficiencies in the organization, the way the workplace is set up, how work is designed, equipment and control measures, management decision making, and how leaders of companies/industry influence the culture in an organization”
- Then, interventions should be oriented to all those human and organizational factors that affects human performance.
- Awareness and understanding of HF of those engaged on decision-making and are responsible to set the culture of organizations is an important element of capacity building.

- To strengthen the capacities of policy makers and those engaged in policy-making and change facilitation (e.g., education & training institutions and industry) to enhance their appreciation of Human Factors and address Human Factors issues.
- The objective is to provide an understanding of:
 - The key role of Human Factors in design and operations
 - The fundamentals of Human Factors
 - Available tools and strategies researched and supported by SAFEMODE
 - SAFEMODE outcomes that can be tailored to the needs of policy makers and facilitators of Human Factors integration
 - HF Policy gaps and recommendations

- The training package has main 3 components:
 - 1) A one and half day programme
 - 2) Recorded sessions presentations by several institutions and organizations participating in SAFEMODE project along with detailed sessions outline for trainers to assist in the design and delivery of the presentations
 - 3) Support materials for trainees including:
 - a booklet for quick reference during the training sessions,
 - a reference and reading list, and
 - access to SAFEMODE tools and materials
- The CBHF package comprises two training modules:
 - Module 1: Fundamentals of HF
 - Module 2: SAFEMODE tools and strategies & HF gaps and recommendations

Module 1
(HF Fundamentals)
6 h

- M1.1 Human Factors and human performance. Key concepts and principles
- M1.2 Human abilities and limitations
- M1.3 Human Factors and systems lens. Understanding complexity, interactions, and context
- M1.4 Human error in its context. Learning from accidents and incidents
- M1.5 Human Factors assessment

Module 2
(SAFEMODE
Developments focus)
4 h

- M2.1 SAFEMODE findings. Application and benefits
- M2.2 Human Factors policy gaps and recommendations

Thank you for your attention



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