



Jürgen Neff

Der psychologische Faktor

DER FAKTOR MENSCH IN GREENSHIPPING

21. April 2022 | 14:00 - 16:00

Der Terminus „Human Factors“ ist ein Sammelbegriff für...

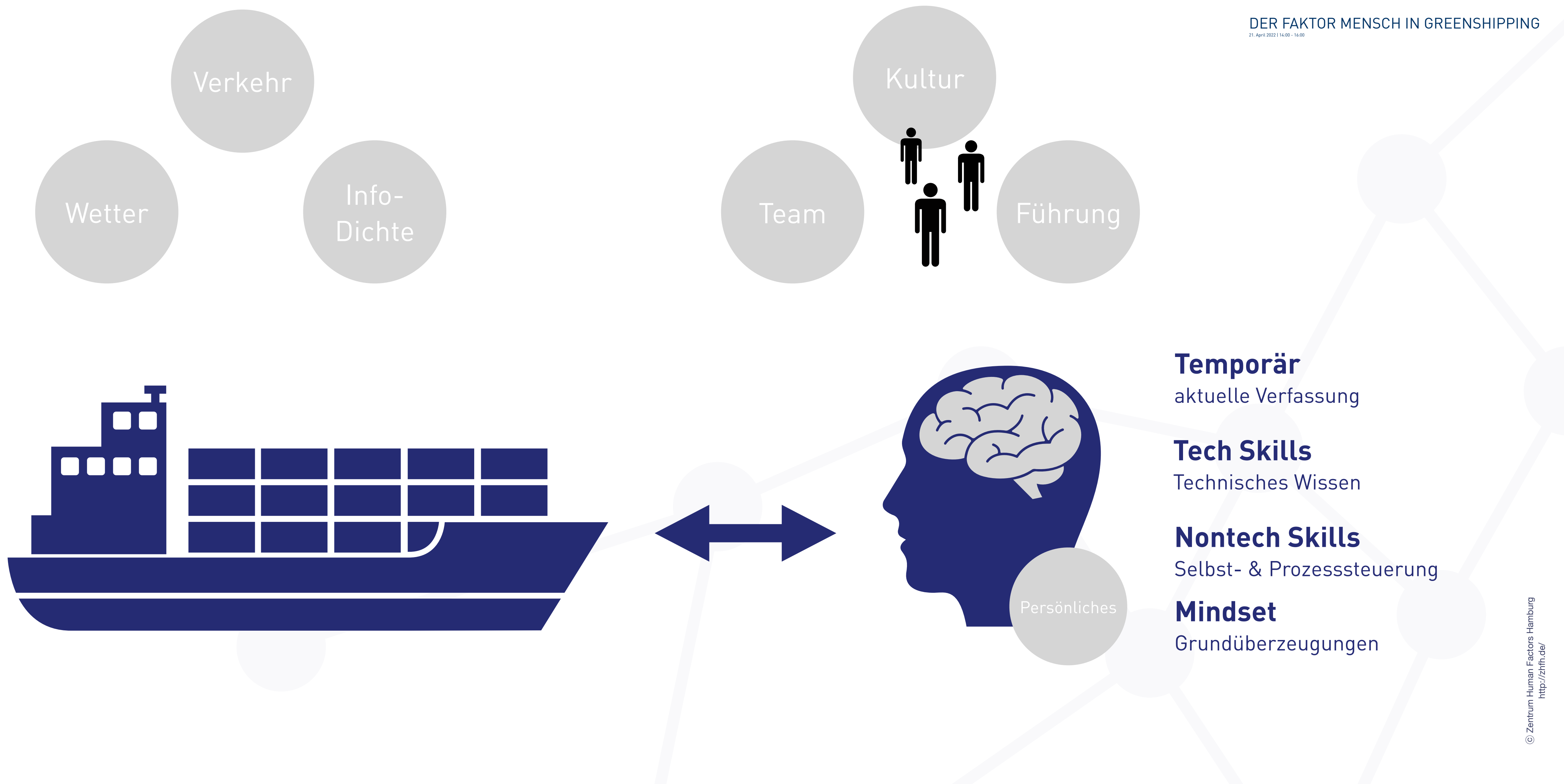
- psychische, kognitive & soziale **Einflussfaktoren**, die
- zwischen menschlichen & technischen Systembestandteilen wirken.

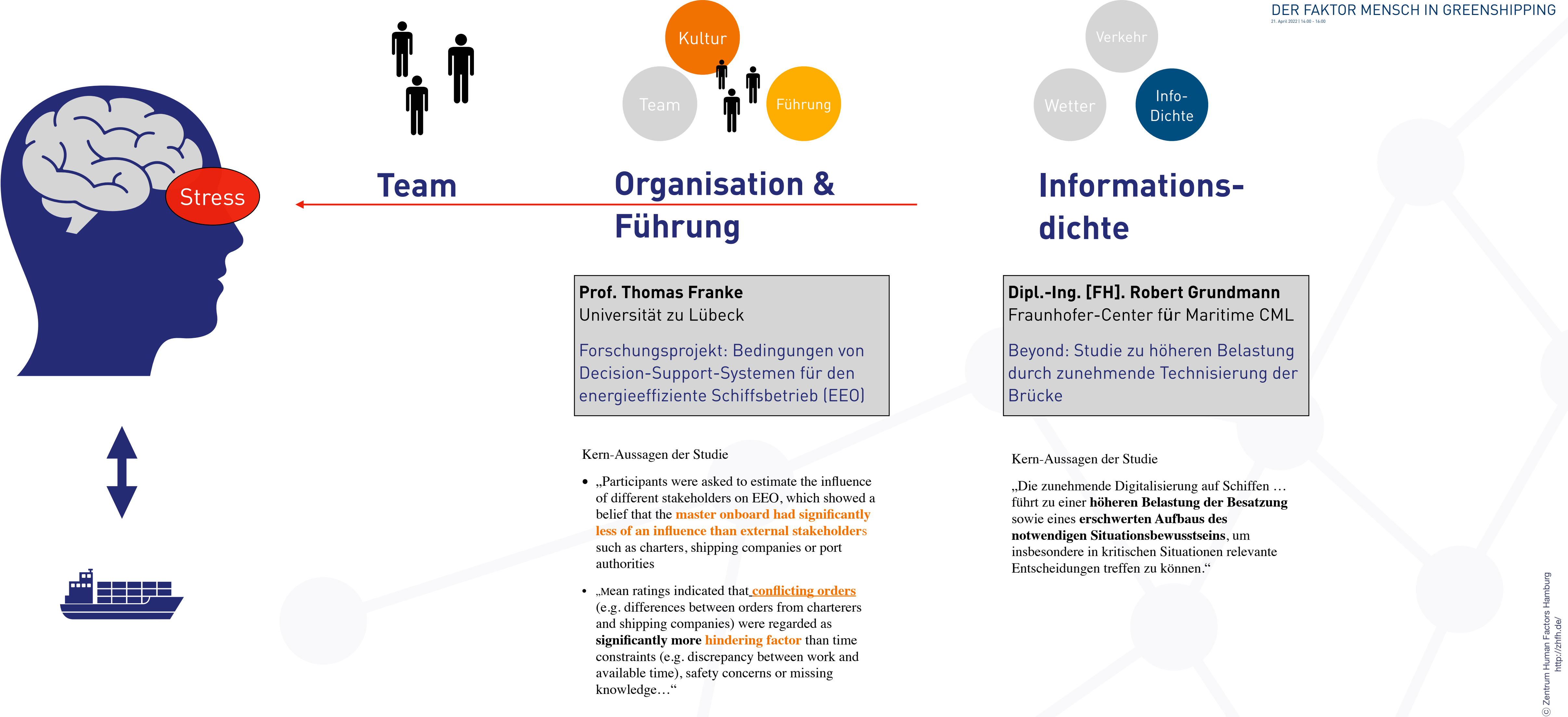
Im Fokus steht das menschliche Leistungsvermögen mit

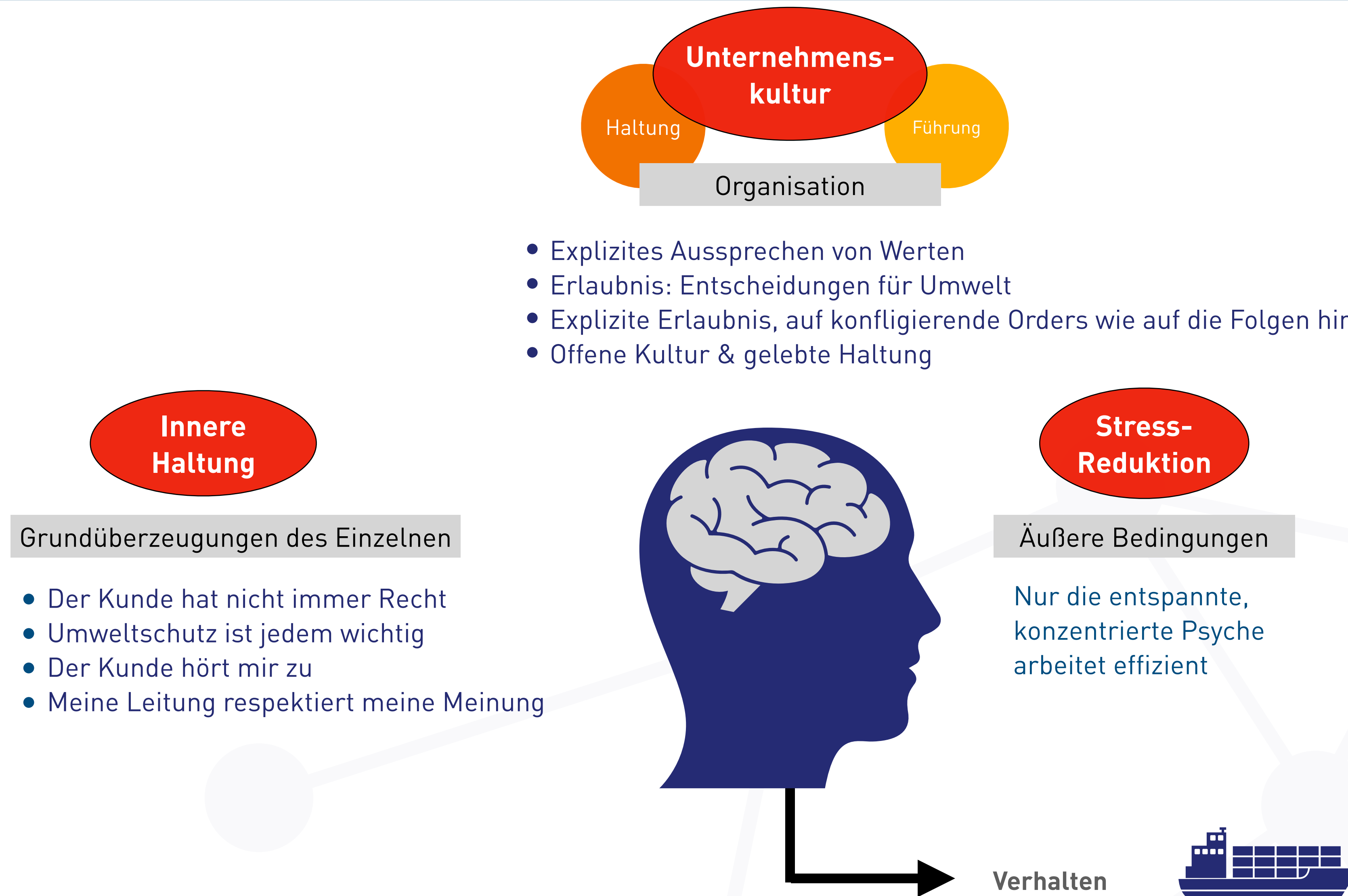
- ... seinen mentalen und kognitiven Fähigkeiten wie Grenzen
- ... und den jeweiligen Auswirkungen auf das **Verhalten** im Umgang mit der Technik



Einflussfaktoren auf ein soziotechnisches System







UNFALLURSACHE NR. 1 HUMAN ELEMENT



Annual Overview of Marine Casualties and Incidents 2019

2.5 EVENTS AND CONTRIBUTING FACTORS

Investigators look for the root causes of the casualty or incident. Such causes are made up of 'accident events' and 'contributing factors'. The reporting scheme used in EMCIP follows this approach. A detailed model of EMCIP can be found in Appendix 2.

2.5.1 ACCIDENT EVENTS

Figure 2.21: Distribution of accident events for 2011 - 2018

Category	Approximate Number of Events
Hazardous material	100
Human action	2800
Other agent or vessel	400
System/equipment failure	800
Unknown	100

From a total of 4104 accident events analysed during the investigation, 65.8% were attributed to a human actions' category and 28% to system/ equipment failures.

A casualty event can have associated one or more accident events.

INTERNATIONAL MARITIME ORGANIZATION

COMMITTEE

MSC 104/15/5
30 June 2021
Original: ENGLISH
Pre-session public release: ☒

WORK PROGRAMME

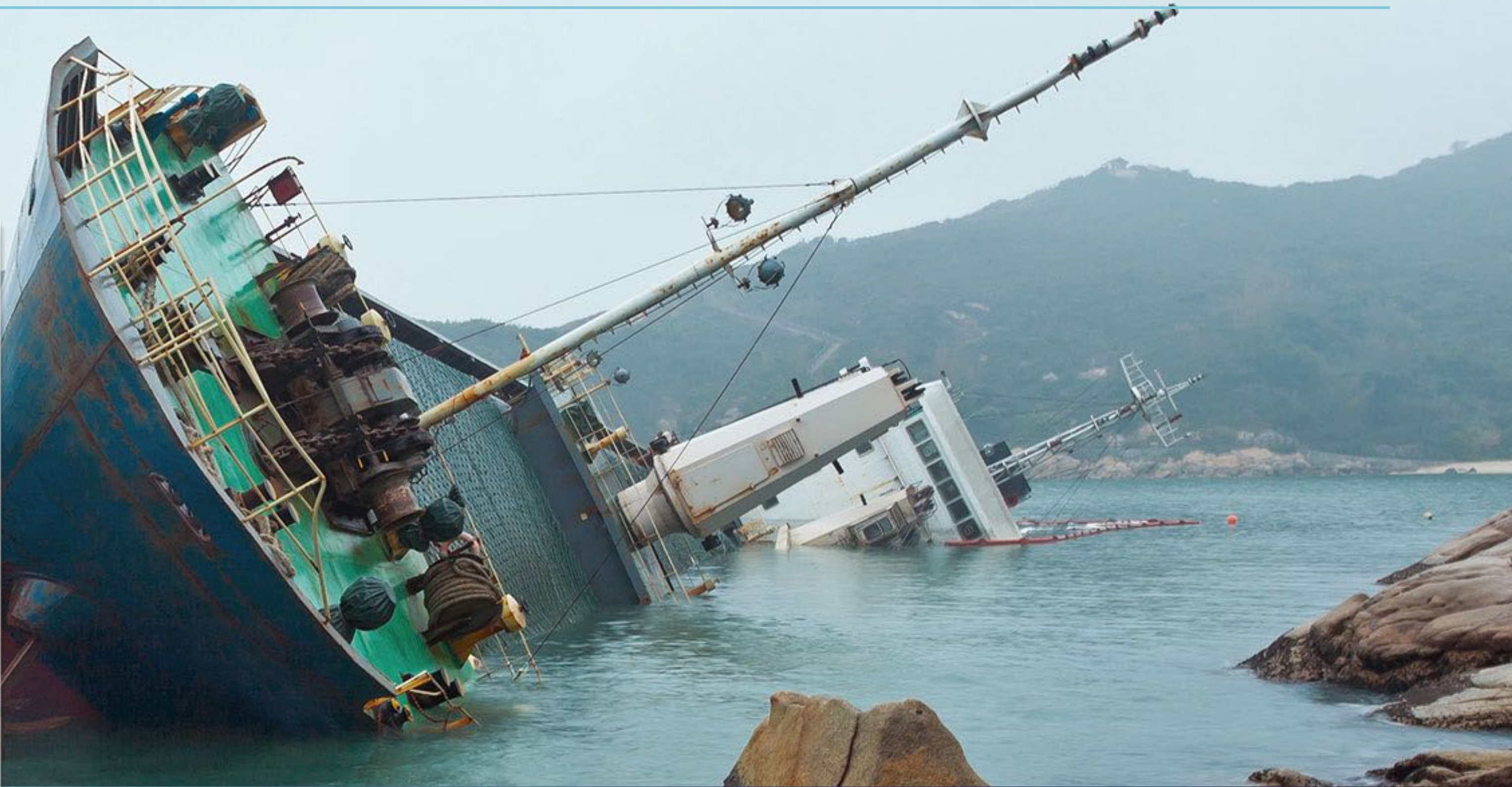
a new output for the comprehensive review and revision of the Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978, and Code

SUMMARY

This document proposes a new output to be considered by the Sub-Committee on Human Element, Training and Watchkeeping (HTW) concerning a comprehensive review and revision of the STCW Convention and Code. The aim is to adapt the STCW Convention and Code to new technical developments in shipping, environmental protection and climate change, thus ensuring that it continues to provide a set of globally recognized standards for training and certification of seafarers.

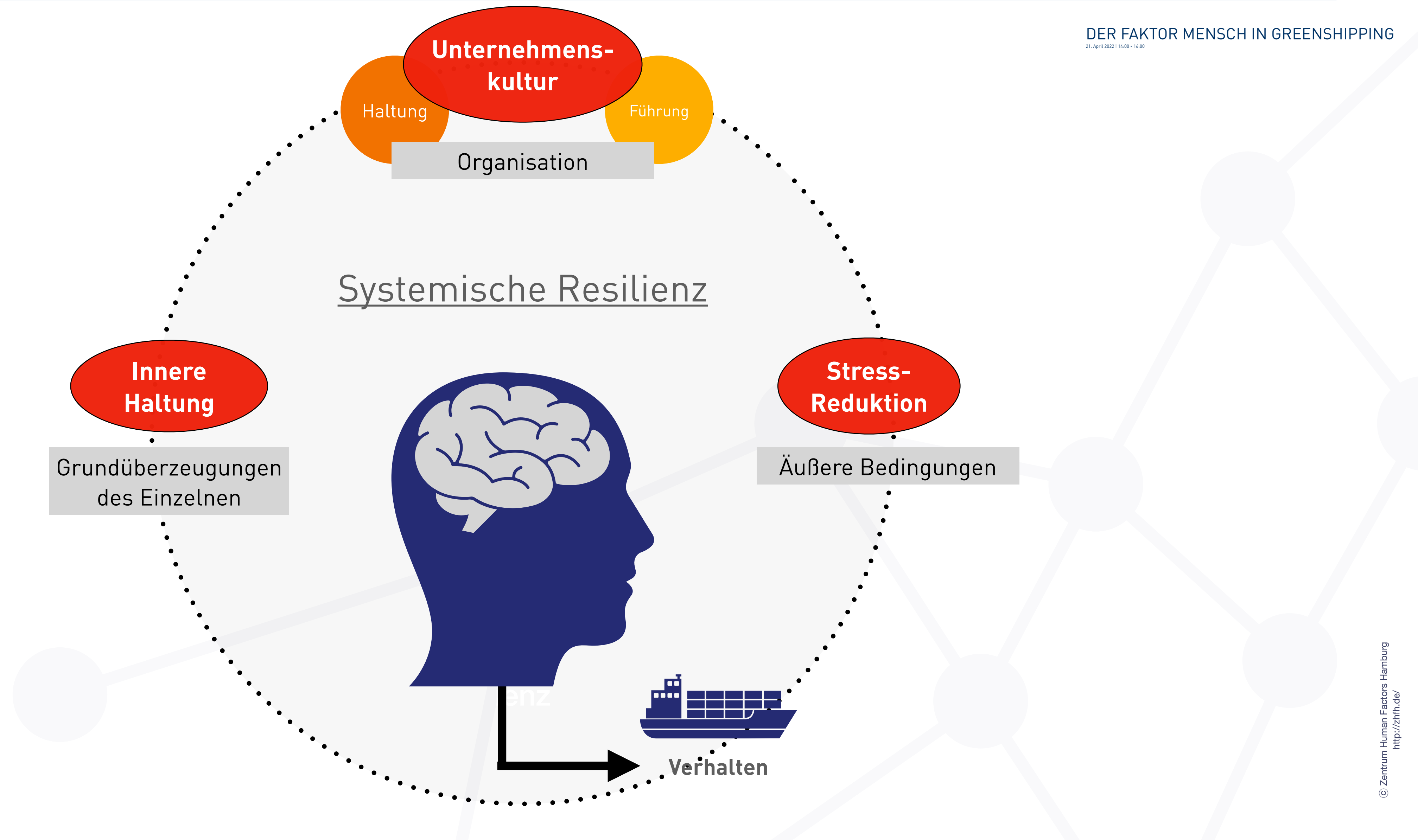
ed title of the new output is: "Comprehensive review and revision of the and Code".

- 22 It is anticipated that, if the Committee approves this output at this session for inclusion in the upcoming provisional agenda of the HTW Sub-Committee (HTW 8), this could be completed in four Sub-Committee sessions.
- Human element
- 23 The completed checklist contained in the Checklist for considering human element issues by IMO bodies (MSC-MEPC.7/Circ.1) is set out in annex 2.
- Urgency
- 24 Since it is estimated that the resulting revision will not come fully into effect before a number of years until the process is completed, it is suggested that this issue be further considered by the Organization, as soon as possible and as a matter of priority. In this regard, the new output could be included in the Strategic Plan's list of outputs for the upcoming biennium, as well as in the upcoming provisional agenda for the HTW Sub-Committee, for completion in no more than four sessions.
- 25 The Committee is requested to consider the present submission and justification therein, and to include a new output in the Committee's biennial agenda for the 2022-2023 biennium on the "Comprehensive review and revision of the STCW Convention and Code", and the provisional agenda for HTW 8, assigning the HTW Sub-Committee as the coordinating organ.



DIE IMO HAT DIE NOTWENDIGKEIT ERKANNT UND SETZT KÜRZLICH DAS HUMAN ELEMENT OBEN AUF DIE AGENDA. DIE DEUTSCHE SCHIFFFAHRT MUSS SICH NUN SPUTEN. DIE KONFERENZ TREIBT DAS VORAN.





“ WE CANNOT CHANGE THE HUMAN CONDITION,
BUT WE CAN CHANGE THE CONDITIONS
UNDER WHICH HUMANS WORK ”

James T. Reason

<https://human-factors-hamburg.de/konferenz>



Vielen Dank!

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HUMAN FACTORS IN DER SCHIFFFAHRT

27.-28.10.2022 | DESIGN OFFICES HAMBURG

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Alle an einem Strang



16 Vorträge | 5–7 Thinktanks

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