

HFC møte 19. og 20. oktober 2022 " *Human and Organisational Performance: Safety Learning from Normal Work*" digitalt på Teams.

Hei – Takk for sist og riktig God Jul og Godt Nytt År.

Vi vil også benytte anledningen til å informere om at det neste fysiske møtene blir **26. og 27. April i Ålesund**, og vi håper vi ser mange av dere der. Tema blir noe rundt «Menneskets rolle i fremtidens teknologi og driftskonsepter» og **Will Industry 5.0 herald the revenge of the humans?**

Vi ønsker å takke for god og engasjert deltakelse i møtet med tema: "*Human and Organisational Performance: Safety Learning from Normal Work*" vi hadde i høst. Vi var ca. 141 registrerte deltakere fra ABB, AkerBP, COA ACC, DNV, Equinor, Forsvaret, HCD, IFE, Kongsberg Maritime, Kystverket, Lund, Nice Industridesign, Nord universitet og NORDLAB, Norwegian Maritime Authority, NSIA, NTNU, NTNU Samfunnsforskning, Ptil, Vattenfall, Safetec, SINTEF, Sjøfartsdirektoratet, SHK, Trafikverket, USN, Vysus Group, Vår Energi + enkeltindivider.

Kopi av presentasjoner og relevante papers/rapporter finnes på hjemmesiden til HFC (<https://www.sintef.no/projectweb/hfc/moetereferat/>), og nederst følger en oppsummering av noen av referansene som ble nevnt i de ulike presentasjonene.

Vedlagt følger noen referanser til "papers", materiale og rapporter som ble nevnt i møtet:

1 - Marcin Nazaruk/ Psychology Applied "*Learning from Normal Work*"

- Se <https://learningfromnormalwork.com/>
- EuroControl, "**Systems Thinking for Safety: Ten Principles A White Paper. Moving towards Safety-II,**"
<https://www.skybrary.aero/sites/default/files/bookshelf/2882.pdf>
- 2022 IOGP «**Learning from Normal Work**» hentes fra
<https://www.iogp.org/bookstore/product/learning-from-normal-work/>
- Flight safety foundation white paper «**Learning From All Operations: Expanding the Field of Vision to Improve Aviation Safety**» hentes fra <https://flightsafety.org/wp-content/uploads/2021/07/Learning-from-All-Operations-FINAL.pdf>
- «**Towards a Safety Learning Culture for the Shipping Industry**» A White Paper hentes fra <https://safemodeproject.eu/products.aspx?id=3>

2 - Glenn-Egil Torgersen/USN "*Læring for det uforutsette*"

Utvalgte referanser, ellers vises til presentasjonen

- Torgersen, G. E. (Ed.) (2015). **Pedagogikk for det uforutsette** (Pedagogy for the Unforeseen). Fagbokforlaget. (NO). Se https://issuu.com/fagbokforlaget/docs/pedagogikk_for_de_uforutsette

- Torgersen, G. E (Ed.). (2018). Interaction: “**Samhandling**” Under Risk. A Step Ahead of the Unforeseen. Oslo: Cappelen Damm Akademisk, Open Access (ENG).
<https://doi.org/10.23865/noasp.36>
- Saeverot, H. (Ed.). (2022). Meeting the Challenges of Existential Threats through Educational Innovation. A Proposal for an Expanded Curriculum. Routledge.

3 - Olav Skaar/IOGP “*IOGP’s implementation of Human Performance*”

- «**Learning from incidents, PSA**» <https://www.ptil.no/en/technical-competence/explore-technical-subjects/reports-from-projects/2022/framework-for-learning-from-incidents/>
- Access to «Data and Data Reporting» - <https://data.iogp.org/>

4 - C Øyvind Laugstøl/NSIA “«*Just Culture*» i luftfart”

- Se også <https://havarikommisjonen.no/Om-oss/Metodikk>; og <https://luftfartstilsynet.no/aktorer/flysikkerhet/rapportering/just-culture/>

5 - Steven Mallam/USN “*Engaging sharp-end operators for organizational learning*”

- IMO: International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978
<https://www.imo.org/en/OurWork/HumanElement/Pages/STCW-Convention.aspx>
- Roth, E., Depass, B., Harter, J., Scott, R., & Wampler, J. (2018). Beyond levels of automation: Developing more detailed guidance for human automation interaction design. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting (Vol. 62, No. 1, pp. 150-154). Sage CA: Los Angeles, CA: SAGE Publications.
https://journals.sagepub.com/doi/pdf/10.1177/1541931218621035?casa_token=DeApqcQGNy8AAAAA:SUpNFkrMO4512VX1eUgGMnzqkKugUr6sSufHzQ8BDzbE7LhRfE7hCui9tIAHSIA4qmufchhB88mi1A

6 - Elizabeth Solberg/IFE “*Improving learning by adding the perspective of success to event investigations.*”

- Solberg, E. And Bisio, R. (2022). **Improving learning by adding the perspective of success to event investigations.** In M. Chiara Leva, E. Patelli, L. Podofillini, and S. Wilson (Eds.,) Proceedings of the 32nd European Safety and Reliability Conference (ESREL 2022). Research Publishing, Singapore.
<https://rpsonline.com.sg/rps2prod/esrel22-epro/html/R21-06-407.xml>

7 - Barry Kirwan/Eurocontrol “*Towards a Safety Learning Culture in the Shipping Industry*”

- <https://safemodeproject.eu/>
- «Towards a Safety Learning Culture for the Shipping Industry» A White Paper hentes fra <https://safemodeproject.eu/products.aspx?id=3>

8 - Lorenzo Savioli/Leadership Safety Coach

“Normal Work in Practice: The impact of the Leadership Mindset, Values and Beliefs”

- https://www.researchgate.net/publication/5305238_The_Trouble_With_Overconfidence

9 - Thomas Porathe/NTNU *“Where is the current international research focus within the autonomous ship domain?”*

- HUMANE-project; <https://www.hvl.no/en/project/591640/>

11 - Robert S. Bridger/CIEHF *“Why organisations should employ HF experts in accident investigations”*

- Kilskar, S.S., Danielsen, B.E., & Johnsen, S.O.: “Sensemaking in Critical Situations and in Relation to Resilience—A Review” - *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems*
- Bridger, R.S. (2017) *Introduction to Human Factors and Ergonomics*, 4th ed. CRC Press
- <https://www.rsbridger.com/>

12 - O. Sæle og A. Førland/Equinor

“Bruk av læringsgrupper ved granskning av hendelser: erfaring fra pilot på Mongstad”

- 2022 IOGP «Learning from Normal Work» hentes fra <https://www.iogp.org/bookstore/product/learning-from-normal-work/>

Med vennlig hilsen,

Frøy Birte Bjørneseth/ Kongsberg & NTNU, Andreas Bye/ IFE, Jan Tore Ludvigsen/ Equinor, Marie Green/ HCD, Georg Giskegjerde/ DNV, Stig Ole Johnsen/ SINTEF & Dorthea Mathilde Kristin Vatn/SINTEF

(PS: Gi beskjed via HFC@Sintef.no om du vil bli fjernet fra denne distribusjonslista)

----- English version -----

HFC meeting the 19th and 20th of October 2022 "Human and Organizational Performance: Safety Learning from Normal Work" on Teams.

Hi all - Thank you for the last meeting – we want to wish you a Merry Christmas and Happy New Year. We would also like to use this opportunity to inform you that the date of the next physical meetings will be 26 and 27 April in Ålesund, and we hope to see many of you there.

We would like to thank you for your excellent participation in the last meeting . We were approx. 141 registered participants from ABB, AkerBP, COA ACC, DNV, Equinor, The Norwegian Armed Forces, HCD, IFE, Kongsberg Maritime, Kystverket, Lund, Nice Industridesign, Nord University and NORDLAB, Norwegian Maritime Authority, NSIA, NTNU, NTNU Samfunnsforskning, Ptil, Vattenfall, Safetec, SINTEF, Maritime Directorate, SHK, Trafikverket, USN, Vysus Group , Our Energy + individuals.

Copies of presentations and relevant papers/reports can be found on HFC's website (<https://www.sintef.no/projectweb/hfc/moetereferat/>), below is a summary of some of the references that were mentioned in the various presentations.

1 - Marcin Nazaruk/ Psychology Applied “*Learning from Normal Work*”

- Se <https://learningfromnormalwork.com/>
- EuroControl, “Systems Thinking for Safety: Ten Principles A White Paper. Moving towards Safety-II,” <https://www.skybrary.aero/sites/default/files/bookshelf/2882.pdf>
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- FLIGHT SAFETY FOUNDATION WHITE PAPER «Learning From All Operations: Expanding the Field of Vision to Improve Aviation Safety» hentes fra <https://flightsafety.org/wp-content/uploads/2021/07/Learning-from-All-Operations-FINAL.pdf>
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- See <https://havarikommisjonen.no/Om-oss/Metodikk>; og <https://luftfartstilsynet.no/aktorer/flysikkerhet/rapportering/just-culture/>

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- Bridger, R.S. (2017) *Introduction to Human Factors and Ergonomics*, 4th ed. CRC Press
- <https://www.rsbridger.com/>

12 - O. Sæle og A. Førland/Equinor (Original presentation from Hanne Seljelid)

"Use of learning groups when investigating incidents: experience from a pilot at Mongstad"

- 2022 IOGP «Learning from Normal Work» hentes fra <https://www.iogp.org/bookstore/product/learning-from-normal-work/>

With best regards,

Frøy Birte Bjørneseth/ Kongsberg & NTNU, Andreas Bye/ IFE, Jan Tore Ludvigsen/ Equinor, Marie Green/ HCD, Georg Giskegjerde/ DNV, Stig Ole Johnsen/ SINTEF & Dorthea Mathilde Kristin Vatn/ SINTEF