



IRSC 2021

"RAIL HOF"

A DIGITAL PLATFORM FOR PROMOTING THE INTEGRATION OF HUMAN AND ORGANISATIONAL FACTORS (HOF) IN RAILWAYS

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HOF evolution in railway community

- Many technical innovations in the last 40 years,
- A plateau is reached in terms of improving safety,
- HOF are taken into account in other industries: aviation nuclear, healthcare, gas and oil industries,
- Systemic approach that integrates health, climate, environmental, cyber risks: the integrated safety,
- Human beings and organization at the "heart" of the system,
- UIC DNA is the exchange of good practices and feedback,
- Integration of HOF included in the 4th Railway Package

UIC and ERA co-operate to improve the integration of HOF and to promote a Safety Culture approach in the EU-worldwide railway community

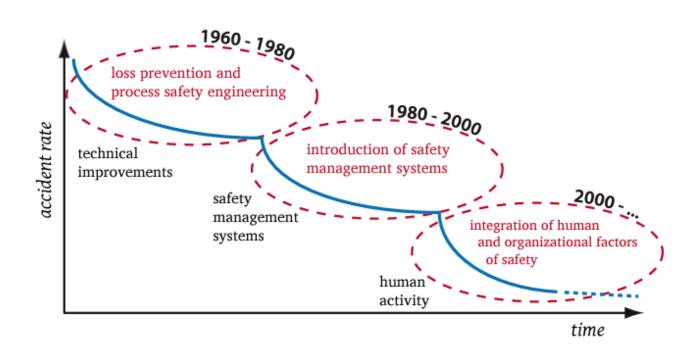


Figure 2 – Successive approaches to industrial safety

IAEA Report on

Human and Organizational
Factors in Nuclear Safety in
the Light of the Accident at the
Fukushima Daiichi Nuclear
Power Plant



Existing HOF legislation in European Union

- 2 directives to be transposed in national legislation refer to the obligation to take HOF into account:
 - Directive 89/391: encourage improvements in the safety and health of workers at work,
 - Directive 2016/798: on railway safety that leads RU and IM to integrate HOF in their SMS.

• Regulation 2018/762 establishing CSM on safety management system requirements that has reinforced this latter obligation by imposing to include HOF in risk assessment and mandating the demonstration from the organisation to have a systematic approach to integrating HOF within their SMS.

Genesis of the RAIL HOF

- Starting point: ERA carried out a needs analysis starting by sending out a survey
 - > an interest in Human & Organisational Factors (HOF) issues.
- In 2019 a short questionnaire was sent to all ERA contacts who had expressed an interest in HOF issues.
- 5 questions on what websites they consulted, what did they like or dislike about those websites
- In order to reach a wider audience regarding HOF in railways it was decided to create a virtual platform

A link between regulation and operational HOF issues

- New legislation: requires a systematic integration of HOF within the safety management systems,
- More than that, sharing knowledge and experience on "driving change", from HOF theory to concrete operational integration,
- Importance of considering the roles and responsibilities of ERA and UIC:
 this cooperation enables benefits for the entire railway community





The complementarity between the roles of UIC and ERA



UIC with its worldwide membership, brings practical, transparent, confidential and trustable exchange of good practices, allowing the railway community to produce guidances and Acceptable Means of Compliance (AMoC), ensuring their ownership and responsibility.



ERA is not only **the EU regulator** but, by working closely with the sector, ensures the harmonised implementation of the legislation through **dissemination**, **training and guidance**



To create synergies between the 2 organisations ERA and UIC are about to sign a **Framework Agreement**

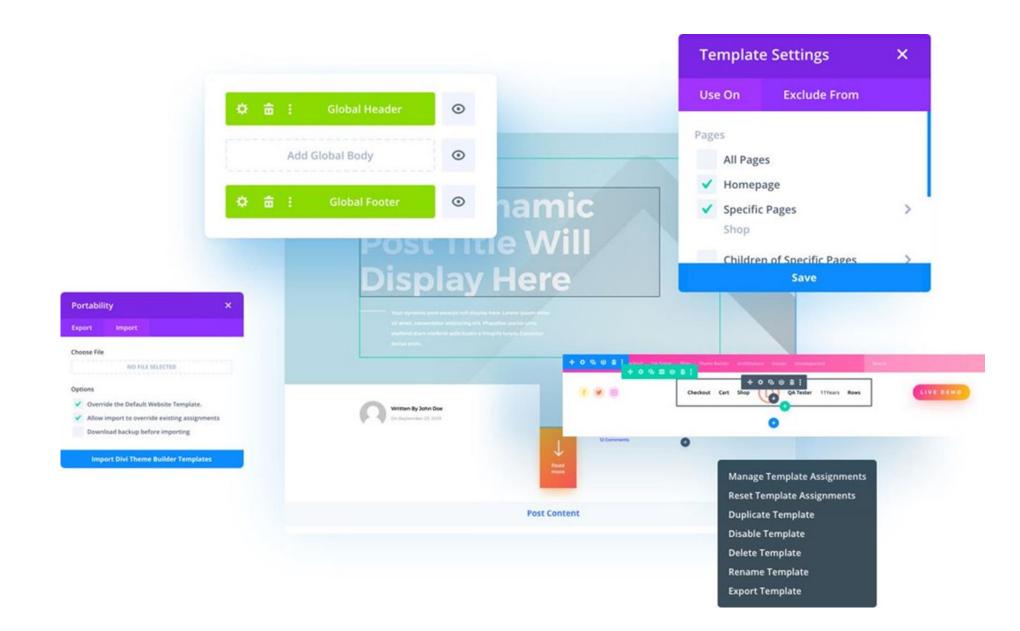
ERA and UIC concrete cooperation for Human and Organisational Factors (HOF)



- ERA and UIC work together to promote HOF in railway sector
- 2 main objectives:
 - Raise awareness of the importance of integrating HOFs into railway safety and,
 - Provide the sector with tools and knowledge
- Joint coordination between ERA and UIC: the RAIL HOF Digital Platform.

Functional requirements of the RAIL HOF

- Engage the intended audience, the virtual platform will have to be **flexible**
- Practical examples of how HOF can be taken into account in operational activities
- Ease of navigation and a good search engine
- Trust in the site content with valid and useful information





Concretely RAIL HOF Digital Platform will be

A website

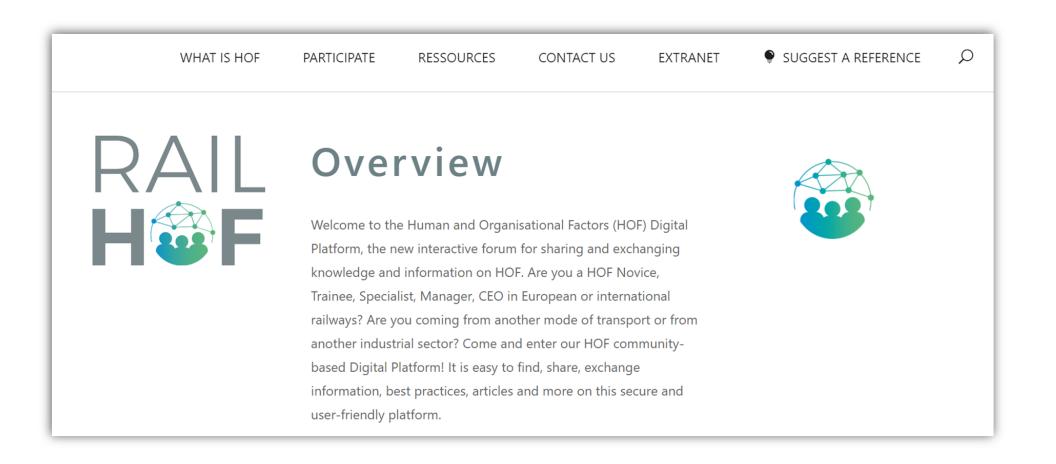
the entry point to access all resources and information

A social media strategy

a linkedIn group to develop the HOF community of experts

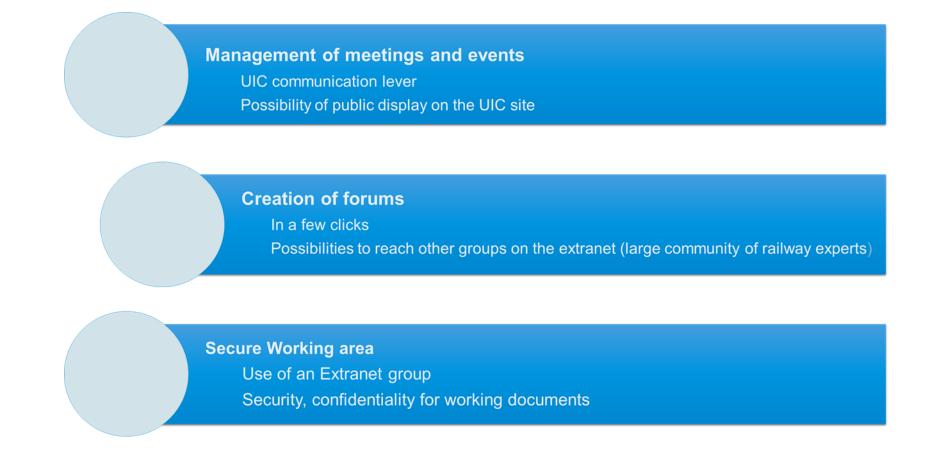
A member's area

to manage the events, create forum or sharing working documents



Linked in

- Essential professional network to increase a professional network
- Offering all the features to develop a community of experts
- Increasing its visibility through better referencing by search engines



What Rail HOF Digital Platform will be?

- A global railway community-based platform to connect railway HOF specialists and non-specialists.
- A forum for learning and exchange of knowledge, experience, and best practices.
- An interactive and lively platform
- Contributions from the European and worldwide railway community and other industries.



Presentation of the RAIL HOF beta version



Overview

Welcome to the Human and Organisational Factors (HOF) Digital Platform, the new interactive forum for sharing and exchanging knowledge and information on HOF. Are you a HOF Novice, Trainee, Specialist, Manager, CEO in European or international railways? Are you coming from another mode of transport or from another industrial sector? Come and enter our HOF community-based Digital Platform! It is easy to find, share, exchange information, best practices, articles and more on this secure and user-friendly platform.

WHAT IS HOF

PARTICIPATE

RESSOURCES

CONTACT US



EXTRANET

SUGGEST A REFERENCE

Are you interesed in HOF?

Do you want to learn about Human & Organisational Factors? Safety culture, non-technical skills, health and safety, more?

Join us on this international and diverse network which captures in one place the valuable and enriching information and material, either academic or practical railways-oriented, on the organizational and human factors that you need.

I want to know more

Are you involved in HOF activities?

You want to learn about Human & Organisational Factors?

Safety culture, non-technical skills, health and safety, more?

Join us on this international and transversal network which capitalizes the valuable and enriching information and material, either academic nor Railways oriented, on the organizational and human factors that you need.

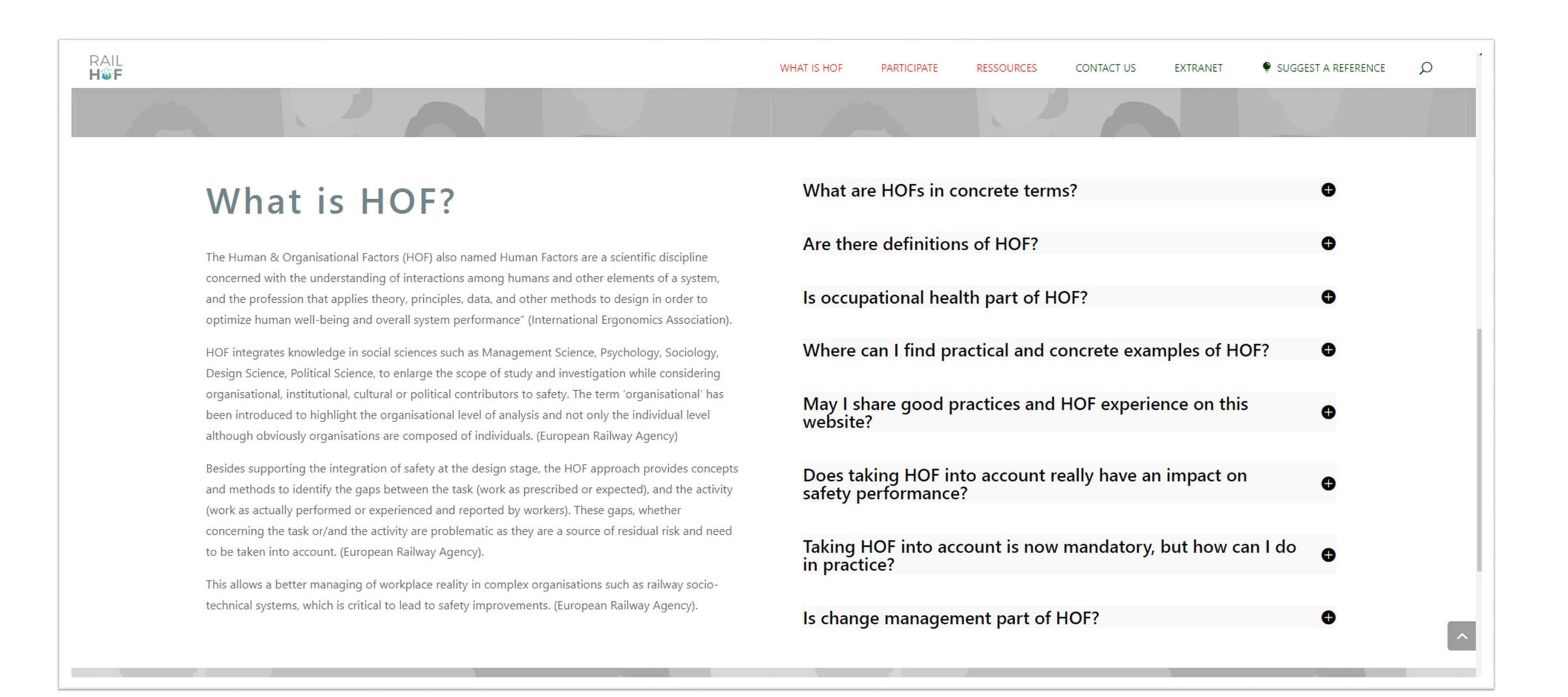
Join us on LinkedIn

Are you an HOF expert?

Are you a Rail Human and Organisational factors expert, a
Rail Safety expert, a Railway Head of safety, or other? This
space is made for you. Here, you have access to confidential
information and can even create or participate in a
discussion forum to initiate conversations and exchanges
with your peers.

Join our members area

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Thank you for your kind attention.