



7th Workshop on the
Functional Resonance Analysis Method
(FRAM)
Modelling Complex Socio-Technical Systems
11 - 13 September 2013, Munich, Germany

Preliminary programme

Wednesday 11 th September		
09:00 – 09:30	Registration	
09:30 – 10:30	FRAM tutorial	Erik Hollnagel
10:30 – 11:00	Coffee break	
11:00 – 12:00	FRAM tutorial (continued) & FRAM Model Builder This will be the first introduction to a new software tool developed to build a basic FRAM model. The development takes place in a collaboration between the Swedish Institute of Computer Science (SICS East) and The Centre for Quality in Denmark. Depending on the progress of the implementation, there will be the possibility of a hand-son experience. The software will be non-commercial Open Source.	Erik Hollnagel
12:00 – 14:00	Lunch	
14:00 – 14:30	Workshop introduction Presentation of participants	(Programme Committee)
14:30 – 15:00	FRAM Clinic – trends and issues, orientation about ongoing FRAM work, planned projects, etc.	All
15:00 – 15:45	FRAM Case – Train accident & maintenance Discussion regarding application of FRAM	Pedro Ferreira
15:45 – 16:15	Coffee break	
16:15 – 17:00	FRAM Case – Train accident & maintenance (continued) Experiences and lessons learned	Pedro Ferreira
20:00 –	Dinner	

Thursday 12 th September		
09:00 – 09:30	The Clayton Tunnel.	David Slater
09:30 – 10:00	Mobile crane accident analysis using FRAM	Henri von Buren
10:00 – 10:30	Vessel Traffic Service as contributor to traffic management. Attempts to highlight everyday performance and resilience in maritime traffic management	Gesa Praetorius
10:30 – 11:00	Coffee break	
11:00 – 12:00	Open space / Plenary discussion	All
12:00 – 14:00	Lunch	
14:00 – 14:30	A FRAM analysis in a Department of Obstetrics	Sanny Shamoun
14:30 – 15:00	Using FRAM as a quality improvement tool in healthcare	Jeanette Hounsgaard
15:00 – 15:30	Preparing planes for take-off: looking at what happens on the	Milena Studic

	apron during turnarounds	
15:30 – 16:00	Coffee break	
16:00 – 17:00	Open space / Plenary discussion	All

Friday 13 th September		
09:00 – 10:30	FRAM & ATM (Organised by Jörg Leonhardt, DFS) Presentations from a three-year long collaboration on the use of the FRAM in the context of air traffic management.	Deutsche Flugsicherung (DFS) and Eurocontrol
10:30 – 11:30	Weisswurstessen	
11:30 – 12:30	FRAM & ATM	(DFS) and Eurocontrol
12:30 – 13:30	Lunch	
13:30 – 14:00	Visualisation of FRAM	Simon Albery & Erik Hollnagel
14:00 – 15:00	Summary: Ideas and actions that survive	All
15:00 – 15:30	Coffee break	
15:30 – 16:30	Vägen FRAM (The way ahead). Ambitions, hopes, and plans for future activities	All