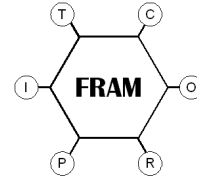




5th FRAM WORKSHOP
13-14 June, 2011
Mines-ParisTech, Sophia Antipolis, France



FRAM-V schedule

Monday June 13

Hotel Omega (5 min walk from Mines-ParisTech)

FRAM in accident analysis

08.45 Welcome, coffee (Denis Besnard & Rob Robson)

09.00 **FRAM I-IV Retrospective** (Erik Hollnagel, Denis Besnard & Luigi Macchi)
Others/discussion: Reflections on the journey from I to IV – what has changed, what needs to emerge with FRAM-V

10.00 **Overview of Day 1** (Rob Robson)

10.05 **Case Study: ATM** (Ivonne Herrera)

10.20 Break/coffee

10.40 **Seeing the Normal in the Abnormal** – FRAM and indicators (Ivonne Herrera ; flows from the case study)

11.10 **The Adaptability of FRAM to different industrial settings** (Luigi Macchi; flows in a different direction from the case study)

11.40 **Complexity and Coupling: a FRAM case study** (Bob Wears)

12.00 Lunch Break & Mini-Siesta

14.00 **Resonance – Understanding Dynamic couplings-Overview** (Rob Robson)

14.05 **Using Rasmussen's framework to identify non-linear relationships** (Mystery presenter)

14.20 **Mining example** (Erik Hollnagel)

15.00 Break

15.15 **Challenges with the application of FRAM for accident analysis** (Everyone)

16.00 **Summary of Day 1** (Rob Robson)

16.10 **A philosophical dialogue about FRAM and Complexity Science** (Rob Robson & Elaine Pelletier; totally optional)

19.00 Dinner (Most likely in downtown Antibes)

Tuesday June 14
Mines-ParisTech

FRAM in accident analysis (cont'd)

08.45 Coffee

09.00 **Evaluation of Day 1** (Rob Robson)

09.10 **FRAM as primary or secondary analysis tool: reflections from aviation and healthcare** (Rogier Woltjer; dependent on technology)

09.40 **Case Study: Death in a neonatal ICU** (Elaine Pelletier & Rob Robson)

10.00 Break

10.20 **Reflections on urgently needed adaptations for industrial settings** (Rogier Woltjer; dependent on technology)

10.50 **Identifying Gaps: website, method, tools**

10.50 **Modeling Rules for Variability and coupling** (Eric Rigaud & Denis Besnard)

11.15 **Filling in the gaps** (Everyone)

12.00 Lunch break & healthy stroll in the pines

FRAM as a risk assessment tool

14.00 **Application of analysis prospectively** (Erik Hollnagel)

14.20 **Case study** (Erik Hollnagel)

15.00 Break

15.20 **Final gaps and next steps** (Rob Robson with everyone)

15.59 **Group photo**