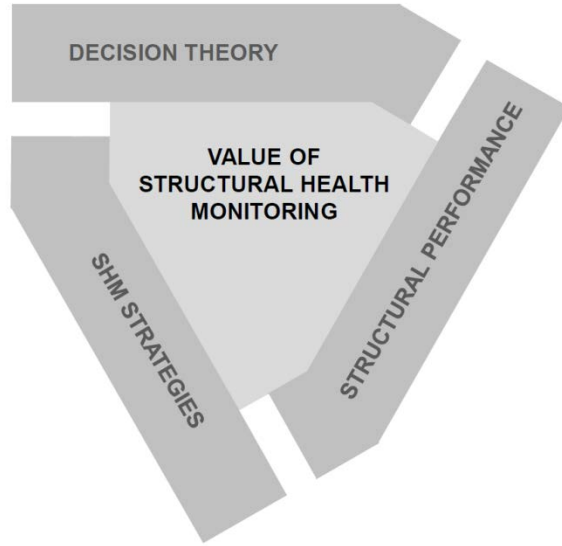




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COST Action TU 1402

1st Workshop, 04.-05.05.2015, DTU, Denmark

WG 4 – Case Studies

Jochen Köhler, NTNU, Norway

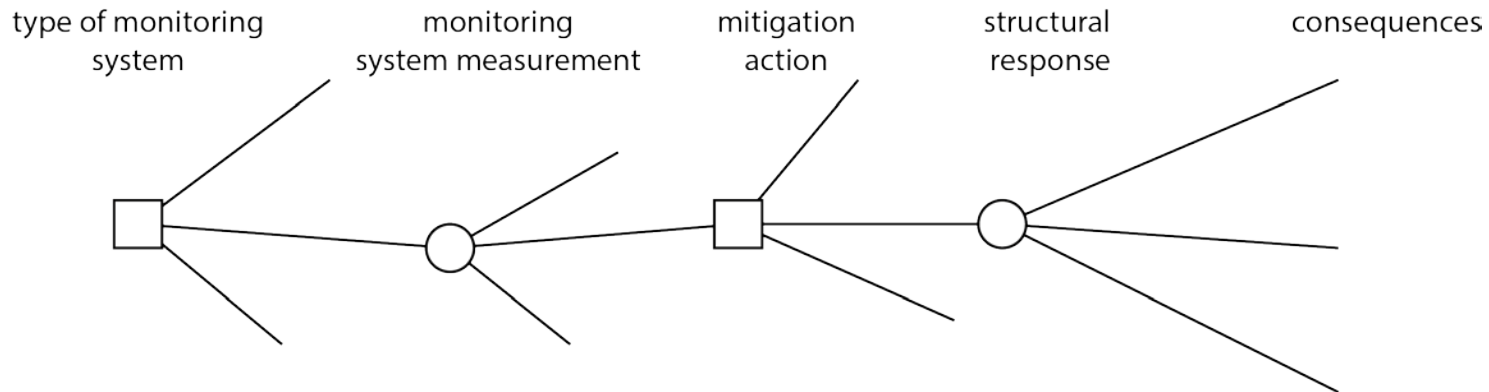
From the MoU (D.1 Scientific Focus) :

- “The scientific focus of the Action is (...)
 - the further development of the theoretical framework (...)
 - in that kind that it can be directly **applied in practical situations** related to SHM (...)
 - the development of efficient computational tools (...)
 - the demonstration of the **applicability of the framework** with case studies.”

WG 4 - approach

- Select application examples from **different engineering domains**
- Apply and demonstrate the **applicability** of the Vol assessment approach (developed in WG 1-3)
- Identify typical difficulties
- Deliver **data**

WG 4 - Challenges



- Realistic representation of
 - the process that is monitored
 - the relation of the monitor results to that process
 - the effect of the process to structural response
 - the consequences of the structural response

WG 4 - Participation

- 28 participants from 18 countries
 - 14 from university;
 - 2 public authorities;
 - 8 consulting / industry
- 8 Contributions/Case study ideas
 - Paweł A. Król, Poland - MONIT project
 - Luís O. Santos, Portugal - São João Bridge
 - Wim Courage, The Netherlands – Fatigue, Steel Bridge
 - Stéphane Bonelli, France – Soil structures, dikes
 - John Leander, Sweden – Bridge monitoring, 3 cases from Sweden
 - Miroslav Sykora, Czech Republic, Cooling towers
 - Matej Kušar, Slovenia – Bridge monitoring in Slovenia
 - Peter Tanner – Monitoring of road bridges

WG 4 – Interaction with other WGs

- WG1:
 - Generic classification and representation of different relevant decision situations
 - Conceptual examples and framework
- WG2:
 - Categorisation of SHM
 - Information modelling platform
- WG3:
 - Tools and Methods
- WG5:
 - Practical guideline

WG 4 – Time planning

	2015				2016				2017				2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Selection case studies					■	■	■	■								
Assessment, documentation									■	■	■	■				
Dissemination												■				

