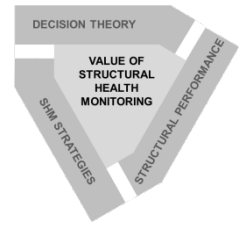


# 3<sup>rd</sup> Workshop Opening Presentation

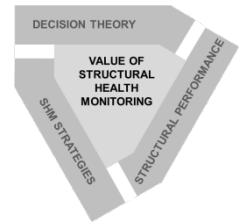
Sebastian Thöns



## 2<sup>nd</sup> Workshop, Istanbul, Turkey

### Achievements:

- Presentation of flowcharts, principal procedure, test cases, first factsheets
- Questionnaire
- Plan for further development of factsheets
- STSMs started
  - Dr Maria Giovanna Masciotta: The Value of SHM for the Structural Behaviour of Masonry Structures under Varying Environmental Effects
  - Ms Simona Bogoevska: A novel bi-component Structural Health Monitoring strategy for deriving global models of operational Wind Turbines



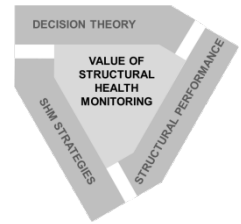
## 2<sup>nd</sup> Workshop, Istanbul, Turkey

- 44 participants (researchers, structural engineers, SHM engineers and infrastructure operators and owners) from 22 countries
- Presentations, audio and videos records (partly) of plenary sessions online (<http://www.cost-tu1402.eu>)
  - Username: COST\_TU1402\_user
  - Password: KRuw6k

## Network and budget




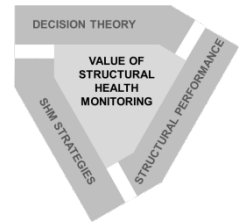
- 122 participants from 27 countries
- Budget approx. constant



## COST Action TU1402: Scientific Program


Tasks		Year															
		2015				2016				2017				2018			
		Quarter				Quarter				Quarter				Quarter			
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>Task 1: Theoretical Framework</b>																	
a	Clarification of the theory	■	■	■	■												
b	Formulation of theory for applications			■	■	■	■										
c	Communication of the theory							■	■	■	■						
M1	Dissemination									■	■						
<b>Task 2: SHM Strategies and Structural Performance</b>																	
a	SHM and structural performance Categorisation	■	■	■	■												
b	SHM information and structural performance modelling platform			■	■	■	■	■	■								
M2	Dissemination									■	■						
<b>Task 3: Methods and Tools</b>																	
a	Databases and modelling toolboxes for engineers and researchers					■	■	■	■								
b	Advancement of algorithms for efficient computation						■	■	■	■							
M3	Dissemination													■	■		

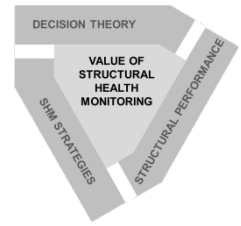
We are here 



## COST Action TU1402: Scientific Program

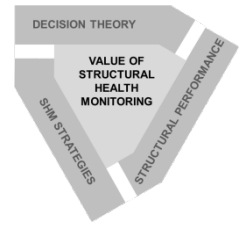
Tasks		Year															
		2015				2016				2017				2018			
		Quarter				Quarter				Quarter				Quarter			
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>Task 4: Case Studies Portfolio</b>																	
a	Selection of case studies					■	■	■	■								
b	Case study calculation and documentation									■	■	■	■				
M4	Dissemination													■			
<b>Task 5: Development of Guidelines</b>																	
a	Chapter of JCSS Probabilistic Model Code (PMC)													■	■	■	■
b	Guideline on the quantification of the value and optimization of SHM													■	■	■	■
M5	Dissemination of guidelines																

We are here 



## COST Action TU1402: Key deliverables

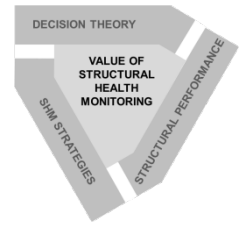
1. Dedicated dissemination activities.
  - E.g.: workshops, special sessions at international conferences, training courses, scientific missions
2. A well-developed homepage.
  - Activity documentation with videos, presentations and reports
3. A library of tools and algorithms.
4. A chapter to the Probabilistic Model Code of the JCSS.
  - Documentation the scientific framework and approaches
5. A guideline on the quantification of the value and optimization of SHM.
  - Detailed examples
  - For practising engineers



## COST Action TU1402: Reporting deadlines

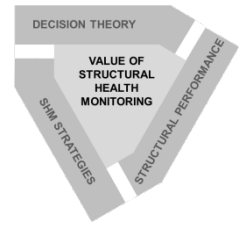
- Intermediate Report 1: May 2016 (Month 18)
- Intermediate Report 2: Month 36
- Final Report: Month 48





## Important future activities

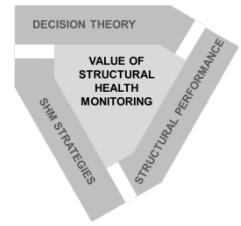
1. Conference and COST TU1402 Workshop: Materials, Systems and Structures in Civil Engineering (MSSCE 2016)
  - 21 to 24 August 2016, Lyngby, Copenhagen, Denmark
2. Conference with session “Health monitoring and structural performance assessment”: European Workshop on Structural Health Monitoring (EWSHM 2016)
  - 5 to 8 July 2016 in Bilbao, Spain
3. Conference with session “Value of Information in Structural Health Monitoring”: 12th International Conference on Structural Safety & Reliability (ICOSSAR 2017)
  - 6 to 10 August, 2017 in Vienna, Austria



## Aims and working foci of the 3<sup>rd</sup> Workshop

### Aims:

1. Presentation and the consolidation of factsheets
2. Structuring / further development of factsheets
3. Preparation of the intermediate report



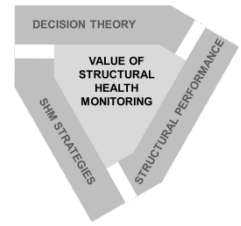
## Deliverables of 3<sup>rd</sup> Workshop

All participants

1. Workshop report
2. Presentations, audio and video recording on website
3. Plan for further activities

SC and MC

1. Draft Work and Budget Plan for 05/2016 to 04/2017
2. Outline for 1<sup>st</sup> Intermediate Report including a work plan



Thank you for your attention.

Let us have a good workshop.