

Agenda

6th Meeting of INDUSE-2-SAFETY (RFS-PR-13056)

COMPONENT FRAGILITY EVALUATION, SEISMIC SAFETY ASSESSMENT AND DESIGN OF
PETROCHEMICAL PLANTS UNDER DESIGN-BASIS AND BEYOND-DESIGN-BASIS ACCIDENT CONDITIONS

www.induse2safety.unitn.it

Chieti Scalo, Italy, 6-7 March 2017

Venue:

WALTER TOSTO SpA
Via Erasmo Piaggio, 26
66100 Chieti Scalo

Organizers:

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*Note: Partners mentioned in brackets are invited to offer presentations on the relevant topics.
Remaining partners are free to present and discuss as well.*

Monday, 6 March 2017

- 10.00-10.10** Welcome to participants and meeting arrangements
- 10.10-10.50** Administrative aspects of the project (annual report, deliverables, deadlines, etc.)
[UNITN].
- 10.50-11.00** Coffee break

11.00-12.00 Discussion on WP4: Experimental testing of piping systems, bolted flange joints, Tee joints, liquid storage tanks and welded connections

- WP4/Task 4.3: Low-cycle fatigue tests of welded connections in unanchored steel liquid storage tanks [UTHESSA].
- WP4/Task 4.4: Real time/pseudo-dynamic testing of piping systems with dynamic substructuring [UNITN, RWTH].

12.00-13.00 Discussion of WP5: Evaluation of fragilities for piping systems, bolted flange joints, Tee joints and steel liquid storage tanks

- WP5/Task 5.1: Calibration of detailed/simplified models for piping systems and steel liquid storage tanks without/with floating roofs [UTHESSA].
- Deliverable D5.1: Report on fragility curve evaluation of piping systems and components [UNITN].
- Deliverable D5.2: Report on fragility curve evaluation of unanchored/anchored cylindrical steel liquid storage tanks with/without floating roof [UTHESSA].

13.00-14.00 Lunch Break

14.00-16.30 Discussion on WP6: Experimental testing of piping systems, bolted flange joints, Tee joints, liquid storage tanks and welded connections

- WP6/Task 6.3: CFD simulations for Case Study #1 [CSM, UNIRM3].
- WP6/Task 6.3: CFD simulations for Case Study #2 [[CSM, UNITN].
- WP6/Task 6.2: Definition of procedures for the propagation of accidents chains in risk analysis [UNIRM3].
 - Risk analysis of Case Study #1 [UNIRM3]

15.45-16.00: Coffee break

16.00-16.30

- WP6/Task 6.3: Quantitative Seismic Risk Assessment methodology of petrochemical facilities [UNIRM3].

16.30-18.00 Discussion on WP7: Guidelines for risk-based seismic analysis of “special risk” petrochemical plants

- WP7/Task 7.1: Issuing of reports for the application of seismic probabilistic risk-based assessment methodologies and Website development [UNITN]
- WP7/Task 7.2: Independent peer review for probabilistic risk assessment of petrochemical facilities [IGF,RWTH]

20:00 Dinner – the place of dinner will be announced during the meeting.

Tuesday, 7 March 2017

9.15-10.00 Discussion on WP7: Guidelines for risk-based seismic analysis of “special risk” petrochemical plants

- WP7/Task 7.3: Development of design guidelines and recommendations for extension of Eurocodes [UNIRM3,UNITN,UTHESSA]

10.00-12.15 Discussion on WP4: Experimental testing of piping systems, bolted flange joints Tee joints, liquid storage tanks and welded connections

- WP4/Task 4.7: Shaking table tests of unanchored/anchored cylindrical steel storage tanks without/with floating roofs [CEA].

11.30-11.45 Coffee break

12.15-12.30 Date & Place of next meeting, any other business and closure of meeting.