

PROGRAM
COST-Action meeting TU1303

Brussels
September 29th & 30th 2014

MONDAY September 29th 2014

- 10:00-10:20** **Welcome, Introduction & Update COST-Action**
Preview Working Group Sessions
Plenary session: room 'Promotion room' D2.01
- 10:20-12:00** **Keynote lectures 'Adaptable skins and structures'**
Plenary session: room 'Promotion room' D2.01
- 10.20-10.40 **Julian Lienhard** str.ucture GmbH - DE
Practical aspects in the design and engineering
of convertible membranes
- 10.40-11.00 **Arjan Habraken** TU/Eindhoven - NL
Passive + active adaptability for structural optimization
- 11.00-11.20 **Filip Descamps** Vrije Universiteit Brussel - BE
Daylight Control
- 11.20-11.35 **Aline Vergauwen** Vrije Universiteit Brussel - BE
Curved line folding
- 11.35-11.50 **Silke Puystiens & Maarten Van Craenenbroeck** VUB - BE
Kinematic Fabric Structures -
Integrated analysis and experimental validation
- 12:00-13:00** **lunch break**
Sandwiches at VUB - ARCH - building K - level 1

- 13:00-17:00** **Working Group meeting**
VUB - ARCH - building K - level 1
Working Group 1
Working Group 2
Working Group 4
- 17:30-18:30** **Management Committee meeting**
VUB - ARCH - building K - level 1
- 19:00** **get together / dinner at VUB**
VUB - Convivium building

Tuesday September 30th 2014

- 09:00-13:00** **Working group meeting**
VUB - ARCH - building K - level 1
(Working Group 1)
Working Group 3
Working Group 5
- 13:00-14:00** **lunch break**
Sandwiches at VUB - ARCH - building K - level 1
- 14:00-15:00** **Closing session - Summary of Working Groups**
Plenary session: room 'Promotion room' D2.01

Detailed Agenda

Working Group 1

Monday 29/09/2014 - 13h-17h (and Tuesday 30/09/2014 - 09h-13h)

- 13.00 Introduction by Lars De Laet & Tim Ibell: objectives and activities of WG1
- 13.15 Workshop*
- 13.15 group A (material thinking) and group B (application thinking)
- 14.00 group B (material thinking) and group A (application thinking)
- 14.45 break
- 15.00 group A (case study) and group B (case study) - joint session with WG4
- 16.00 Plenary discussion of results
- 16.30 Actions and future steps
 - Next meeting
 - H2020 opportunities
 - Prototype IASS Pavilion
 - Deliverables

*The workshop schedule depends on the amount of participants in WG1 on Monday 29/09.

Working Group 2

Monday 29/09/2014 - 13h-17h

- 13.00 Introduction by Carol Monticelli: the WG2 objectives and activities
- 13.30 Carl Maywald: the Vector Foiltec activity in the field of sustainability and the experience of the EPD
- 13.50 Annamaria Ferrari: the Life Cycle Assessment methodology as a support of the architectural field
- 14.10 Ronald Rovers: the experience of the Research Institute Built Environment of Tomorrow towards Sustainability
- 14.30 John Chilton: the approach LCA in the field of membranes used as building skin
- 15.10 Questions and comments
- 15.30 The questionnaire and the answers: read and comment all participants
- 16.00 Future steps

Working Group 3

Tuesday 30/09/2014 - 09h-13h

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Working Group 4

Monday 29/09/2014 - 13h-17h

1. Brief review of Main Objectives of Working Group & concept of “Building Skins” - what do we mean by this term? What is the scope of interest?
2. Specialist presentations
 - Prof. Raul Figueiro – “New composites and sensing materials”
 - Prof. Ömer Soykasap – “Novel deployable façades for the urban environment”
3. Hands-on workshop on deployable/adaptable structures – Prof. Ömer Soykasap
4. Horizon 2020 opportunities
5. Discussion and Agreement of Next Actions

Working Group 5

Tuesday 30/09/2014 - 09h-13h

1. SaP report: the last contributions: (1 h)
2. Existing research in context of the SaP report, and future Eurocode: (3/4 h)
3. SaP Report: to advance on the key-points (1 h)
4. Reliability analysis, calibration: (1/2 h)
5. Conclusion: (1/2 h)

Location

Address

Vrije Universiteit Brussel

Pleinlaan 2 - 1050 Brussels

+32 2 629 28 40 or +32 2 629 28 30

Plenary session (Monday morning & Tuesday afternoon):

Promotion room D2.01 - building D - 1st floor

Working Group sessions (Monday afternoon & Tuesday morning):

Department of Architectural Engineering - building K - 1st floor

Diner (Monday evening):

Building 'Convivium'

Detailed map of VUB campus

