Belgium, Leuven

**COST Action TU1301**  
**NORM for Building Materials (NORM4BUILDING)**  
**Workshop - MC Meeting and Round table - Leuven 08/10/2015**  
**WG Meeting – Leuven 09/10/2015**

**Local Organizer/contact:**

- **Dr. ir. Yiannis Pontikes**  
  High Temperature Processes and Industrial Ecology research group  
  Department of Materials Engineering - KU Leuven  
  yiannis.pontikes@mtm.kuleuven.be  
  Tel: +32 16 32 03 92

- **Diana Olislagers**  
  UHasselt – Campus Diepenbeek  
  Agoralaan – Gebouw H  
  diana.olislagers@uhasselt.be  
  Tel: +32 11 29 21 77

**Meeting place:**

Campusbibliotheek Arenberg – 2 bergen  
Willem de Croylaan 6  
3001 Heverlee  
Tel: 016/32 81 81

08/10 Workshop – Round table – MC  
- Nicolas de le Ville Room

09/10 WG Meeting  
- Nicolas de le Ville Room (WG 1 + WG 2 + Combined meeting)  
- Minckler room (WG3)  
- Preciosa room (WG4)
**Residue valorization in construction materials considering chemical and radiological issues**

 Workshop & round table & MC Meeting – 08/10/2015

08.45 - 09.00 Registration
09.00 - 09.10 [Introduction]; Wouter Schroeyers (Uhasselt, Belgium)

**Session 1: Industry & legislation (Chair Cristina Nuccetelli)**
- 09.10 - 09.40 KEYNOTE, Ken Evans (consultant to the International Aluminium Institute, UK)
- 9.40 - 10.10 DUAL Presentation [Radiological aspects of the reuse of red mud– industrially useful characterization options]; Zoltan Sas (University of Pannonia, Hungary)- Niels Vandevenne (Uhasselt, Belgium)
- 10.10 - 10.30 [The Belgian NORM legislation: experiences with implementing several aspects of the new EU-BSS] Geert Biermans (FANC, Belgium)

10.30 - 10.50 Coffee break + poster presentation

**Session 2: Reuse of by-products in construction materials (chair Kovács Tibor)**
- 10.50 – 11.20 [Recycling of red mud and biomass ash in distinct inorganic materials]; João A. Labrincha (University of Aveiro, Portugal)
- 11.20- 11.50 [High volume red mud alkali activated cements and materials]; Pavel Krivenko (National University of Civil Engineering and Architecture, Ukraine)
- 11.50-12.20 [Radioactivity of concrete with waste incorporation] José Aguiar (University of Minho, Portugal)

**Session 3: Round table discussion ‘To reuse or not to reuse?’**
(moderators Catalina Gasco & Wouter Schroeyers)
- 12.20- 13.00 [Expert panel discussion followed by round table];

13.00 - 14.00 Lunch + poster presentation

**Session 4: Radiological Measurement challenges (chair Harry Friedmann)**
- 14.00- 14.30 [Metronorm project: dealing with problems in the characterization of NORM] Pierino De Felice, (Istituto Nazionale di Metrologia delle Radiazioni Ionizzanti, Italy)
- 14.30 - 15.00 [Intercomparison of measurement techniques for the characterization of NORM and NORM containing building materials] , Catalina Casco (Ciemat, Spain)
- 15.00-15.20 [Radiological characterization of geopolymer concrete based on alkali activated fly ash and slag] Ivan Ignjatovic (University of Belgrade, Serbia)

15.20 - 15.50 coffee break + poster presentation

**Session 5 Management Committee COST Network NORM4Building (Members only)**
- 15.50 - 18.00 Management Committee meeting

Agenda: Management Committee [15.50-18.00]

1. Signing the attendance list
2. Welcome and introduction – status of the Action
3. Output and dissemination strategy for Action NORM4Building
   – The book ‘NORM4Building’
4. NORM4Building database
5. Organization of Meetings for 2016 and 2017
6. Evaluation and organization of the training schools
7. STSMs
8. Future of the network after the Action
9. Miscellaneous

WG Meeting – 09/10/2015

Program and agenda:

Timing:

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>8.45-09.00</td>
<td>Registration</td>
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<td>09.00-09.30</td>
<td>Combined meeting</td>
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<td>09.30-10.30</td>
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<td>13.00-14.00</td>
<td>Sandwich lunch: Nicolas de le Ville room</td>
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<td>14.00-15.30</td>
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<td>Dinner “De Kruimel” – <a href="http://www.kruimel.be">www.kruimel.be</a></td>
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<td>Tiensestraat 92, 3000 Leuven</td>
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**Practical information:**

List of hotels:

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<tr>
<th>Hotel</th>
<th>Price category</th>
<th>Walking distance to venue</th>
<th>Public transport line nr.</th>
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How to get to Leuven

By plane

**Brussels Airport** (28 km from Leuven)
Leuven is located approximately 15 minutes’ drive from the Belgian National Airport of Zaventem. The airport has its own train station (Brussels National Airport), with direct trains to Leuven. The station is underneath the airport and is accessed via lifts and escalators in the arrivals hall. Several car hire companies also operate from Brussels Airport.

www.brusselsairport.be

**Brussels South Charleroi Airport** (90 km from Leuven)
Brussels Charleroi South airport is one hours’ drive from Leuven. If you land here, you can take the bus to Charleroi railway station and take a train from there to Leuven. Several car hire companies also operate from Charleroi Airport.

www.charleroi-airport.com

How to get to the venue

From the train station
If you arrive by train at the train station of Leuven, take bus nr 2 or 616 (faster) to Heverlee. Get off at "Heverlee Kasteel Arenberg". Follow the Celestijnenlaan to the Willem de Croylaan 6.
Bikers and pedestrians

The library has several access roads:

1. Along the W. de Croylaan there is an entrance, especially for pedestrians and bikers. On the left of this entrance, already on the inner court yard, there is a huge bike shed.
2. The second entrance is situated along the Celestijnenlaan (next to the bus stop).
3. Finally, there is a route behind the glass houses.

By car

Coming from Germany via Liège (Luik) over the E40, take the E314/A2 in Leuven direction Hasselt and keep right. Take the first exit (nr. 15) and turn right at the 3rd traffic light. Straight after crossing the river, turn left to enter “Kasteelpark”. The same exit (nr. 15) on the E314/A2 can be reached coming from Germany through Aachen and The Netherlands through Eindhoven. Coming from The Netherlands over Antwerp, Mechelen and Brussels on the A16/E19, join the E40 direction Liège (Luik) in Brussels. Near Leuven, continue on the E314/A2 direction Hasselt and take the first exit right (nr. 15).

To arrive at the library by car, follow the Celestijnenlaan and turn into the parking place next to the buildings of the department "Werktuigkunde". At the end of this parking place you will see on your left-hand side a route sign with ‘Campusbibliotheek Arenberg’. Just follow this sign and you will find the parking place of the library.