

MATÉRIAUX BIOSOURCÉS ET GÉOSOURCÉS

8.30 am - Welcome

9.00 am - Opening

9.15 am - Patrick Perré (Chaire de biotechnologie, Centrale Supélec)

Bio-Based Materials for Construction: Resources, Benefits, and Integration with Geo-Sourced Materials

9.45 am - Pierre Marcel Noah (ENSET, Laboratoire de Mécanique, Université Douala)

From Plant Bioresources to Structural Biocomposites:

Challenges and Prospects for Sustainable Construction in the Cameroonian Context Tropical

10.00 am - Romaisa Fillali (CERTES, UPEC)

Biobased hollow blocks: Thermal behavior and performance assessment

10.15 am - Liselotte Tinel (CERI, IMT Nord Europe)

Case Study on Emissions of Bio-Based Concrete

10.30 am - Coffee Break & Poster session

11.00 am - Florence Collet (LGCGM, Université de Rennes)

Impact of hygric phenomena on the hygrothermal behaviour of bio-based and geo-sourced materials:

From experimentation to modelling

11.30 am - Placide Uwizeyimana (LMGC, IMT Mines Alès, Université de Montpellier)

Fire behavior of biobased materials

11.45 am - Haoyan Zhang (CERTES, UPEC)

Hygrothermal performance of a hybrid cement mortar with bio-based phase change materials and Miscanthus fibers:

Numerical and experimental study

12.00 am - Phillippe Cousot (Laboratoire Navier, ENPC)

Hygrothermal behaviour of bio-based building materials: physical approach and application prospects

12.30 pm - Lunch & Poster session

2.00 pm - Yassine El Mendili (Institute for Research in Construction, ESTP)

Microstructure and performance of bio-based and geo-based materials

2.30 pm - Nicolò Lo Presti (University of Bologna)

Assessment of moisture-induced damage in bio-composites

2.45 pm - Tinhinane Chekai (Cerema Est, UMRAE, Université Gustave Eiffel)

3D microstructural characterization of hemp shiv packing using x-ray tomography and advanced image analysis

3.00 pm - Ilham Masrour (CEEL, Mohammed V University)

Toward Sustainable Earthen Construction: Enhancing Plaster Performance with Natural Additives

3.15 pm - Coffee Break & Poster session

3.45 pm - Nicolas Vernoux-Thélot (IN SITU Architecture)

Architectural Approaches to Bio-based and Geo-sourced Materials for Low-Carbon Buildings

4.15 pm - Robine Calixte (LMPS, ENS Paris-Saclay)

Life Cycle Assessment of Mycelium-Based Insulation Materials – Environmental Benefits of This Bio-Based Material

4.30 pm - Catherine Valencia (CTMNC)

DIMACV: The Collective EPD Configurator for the French Construction Stone Industry

4.45 pm - Hélène Garay (IPREM, IMT Mines Alès, Université de Pau et des Pays de l'Adour)

Impact of the ageing of Raw earth products on their indoor air quality regulation properties and on their visual aspect

5.00 pm - Closing