

# Global Partnership for Sustainable Construction and Resource Efficiency



Co-funded by the Erasmus+ Programme of the European Union



1222-2022  
800  
ANNI



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



DEPARTMENT OF  
GEOSCIENCES



MERU UNIVERSITY  
OF SCIENCE & TECHNOLOGY

UN HABITAT  
FOR A BETTER URBAN FUTURE

## Online Workshop Programme – Friday 16 July 2021

### Session 1 (9:00 - 11:05 GMT+1/UTC+1)

Chair: Joseph Mwiti Marangu, Meru University of Science and Technology, Kenya

TIME					SPEAKER	TITLE
Athens Nairobi	Brussels Cairo	Abuja Lisbon	Accra Reykjavik	Havana New York		
11:00	10:00	09:00	08:00	05:00	<b>Jane Nduta Wambura</b> Erasmus Mundus Country Rep. Kenya	<b>Welcome from Erasmus Mundus representative in Kenya</b>
11:05	10:05	09:05	08:05	05:05	<b>Luca Valentini</b> University of Padua, Italy	<b>Introduction to the workshop and presentation of RILEM association</b>

11:25	10:25	09:25	08:25	05:25	<b>Ghada Bassioni</b> Ain Shams University, Egypt	<i>International and Intra-African Cooperation - Challenges and Opportunities</i>		
11:50	10:50	09:50	08:50	05:50	<b>Alicia Regodón Puyalto</b> UN-HABITAT	<i>Resource efficient housing in Burkina Faso and Sri Lanka: A multidisciplinary approach to strengthen the sustainable buildings and construction sector</i>		
12:15	11:15	10:15	09:15	06:15	<b>Kolawole Olonade</b> University of Lagos, Nigeria	<i>Potential of bio-wastes as replacement for cement in Africa</i>		
12:40	11:40	10:40	09:40	06:40	<b>Jackson Wachira Muthengia</b> University of Embu, Kenya	<i>Effect of selected important bacteria on physical-chemical properties of cement</i>		
<b>Break 1 (11:05 - 12:15 GMT+1/UTC+1)</b>								
<b>Session 2 (12:15 - 14:20 GMT+1/UTC+1)</b> <i>Chair: Penda Diallo, University of Exeter, UK</i>								
		<b>TIME</b>			<b>SPEAKER</b>		<b>TITLE</b>	
Athens Nairobi	Brussels Cairo	Abuja Lisbon	Accra Reykjavik	Havana New York				
14:15	13:15	12:15	11:15	07:15	<b>Nonkululeko Radebe</b> KIT, Germany	<i>Building a multidisciplinary international network as a young researcher: A personal story</i>		
14:40	13:40	12:40	11:40	07:40	<b>Federico Monica</b> PlaceMarks Africa, Italy	<i>An overview on changing landscapes - the use of satellite images to raise awareness about the effects of urbanization</i>		
15:05	14:05	13:05	12:05	08:05	<b>Mike Otieno</b> Wits University, South Africa	<i>Making concrete more sustainable - the use of alternative materials</i>		
15:30	14:30	13:30	12:30	08:30	<b>Alastair Marsh &amp; Mauricia Nambatya</b> University of Leeds, UK & HYT Uganda	<i>Research, resources and client requirements – how can we achieve more widespread adoption of Interlocking Stabilised Soil Blocks (ISSB)?</i>		
15:55	14:55	13:55	12:55	08:55	<b>Raine Isaksson</b> Uppsala University, Sweden	<i>Opportunities for alternative binders in block production - the case of Sub Saharan Africa</i>		
<b>Break 2 (14:20 - 14:50 GMT+1/UTC+1)</b>								

**Session 3 (14:50 - 17:15 GMT+1/UTC+1)**  
*Chair: Luca Valentini, University of Padua, Italy*

TIME					SPEAKER	TITLE
Athens Nairobi	Brussels Cairo	Abuja Lisbon	Accra Reykjavik	Havana New York		
16:50	15:50	14:50	13:50	09:50	<b>Wolfram Schmidt</b> BAM, Germany	<i>Multidisciplinary approaches towards an inclusive, circular urban built environment</i>
17:15	16:15	15:15	14:15	10:15	<b>Mark Bediako</b> CSIR-BRRI, Ghana	<i>Some engineering, transport mechanism and embodied carbon properties of Ghanaian low grade calcined clay concrete</i>
17:40	16:40	15:40	14:40	10:40	<b>Fernando Martirena</b> UCLV Marta Abreu, Cuba	<i>The complexity of introducing a novel cement in the context of Climate Change mitigation</i>
18:05	17:05	16:05	15:05	11:05	<b>Kyle Riding</b> University of Florida, USA	<i>US experience and future potential use of local clay materials as an SCM</i>
18:30	17:30	16:30	15:30	11:30	<b>Daman Panesar</b> University of Toronto, Canada	<i>Availability and sustainability of industrial by-products used in cement-based construction materials</i>
18:55	17:55	16:55	15:55	11:55	<b>Joseph Mwiti Marangu</b> MUST, Kenya	<i>Conclusions, final discussion and future perspective</i>