

Sand and the Sandbank – is sand extraction a sustainable business?

Joint meeting of The Geological Society and the Royal Geographical Society

30 January 2019. The Geological Society, London

Draft Final Programme (Keynotes = bold)

Convenors

Dr Ian Selby – Director of Sustainable Geoscience, Sustainable Earth Institute, University of Plymouth

Andrew Bloodworth – Science Director, Mineral & Waste, British Geological Survey

Mark Russell - Executive Director - Planning, Mineral Resources & BMAPA

0930 – 1015hrs. Introduction – why are we here? Facilitator - Ian Selby

Time	Speaker	Subject
0930-0940	Dr Ian Selby Sustainable Earth Institute	Welcome and plan for the day. Introduction to sand and the concerns around stocks and supplies.
0940-1000	Dr Pascal Peduzzi UNEP	Keynote - 2014 UNEP Report and an update on developments
1000-1015	Andrew Bloodworth British Geological Survey	Defining sand – characteristics, deposits and origins and availability; a global view.

1015 – 1100hrs. Context keynotes – looking to the future and the UN SDGs

Time	Speaker	Subject
1015-1035	Dr Matthew Free Arup	Cities, infrastructure and new places over the next 50 years – what will our world look like?
1035-1055	Professor Iain Stewart Sustainable Earth Institute	Resources and the UN SDGs
1055-1100	Dr Ian Selby	Summarise & the scene is set!

1100 – 1130hrs. Break

1130 – 1300hrs. The Problem of Demand – Markets. Facilitator Mark Russell

Time	Speaker	Subject
1130-1150	Aurelie Delannoy Mineral Products Association	The Economics of sand - valuing sand and its uses.
1150-1210	Will Shields NewWaves Solutions/DEME	Reclamation & placemaking – where to next?
1210-1230	Jaap Flikweert RHDHV	The role of sand in building climate resilience through coastal adaptation
1230-1250	Mark Simoni NTNU Industrial Ecology Program (IndEcol)	Built on sand - tracking material stocks and flows through the physical economy
1250-1300	Mark Russell	Summarising the markets

1300 – 1400hrs. Lunch Break

1400 – 1540hrs. Management Practices – Coping and Adapting. Facilitator Andrew Bloodworth

Time	Speaker	Subject
1400-1420	Kirsten Henson KLH Sustainability	Concrete and engineering fills in the built environment – sand use now and in the future
1420-1440	Anne Dugdale SLR Consulting	Environmental impacts of sand extraction – management and mitigation
1440-1500	Dr Vera Van Lancker Royal Belgian Institute of Natural Sciences	New approaches to sand resource management – in a constrained environment
1500-1520	Dr Ian Selby Sustainable Earth Institute	Who cares? Stewardship & Governance of Sand.
1520-1530	Andrew Bloodworth	Define key questions for the Panel Discussion

1530 – 1600hrs. Break

1600 – 1700hrs. Making sense – key questions and next steps. Facilitators Ian Selby, Mark Russell & Andrew Bloodworth

Time	Panel discussion
1600-1630	Exploring themes and data gaps - resources, social licence, environmental impact & governance
1630-1700	Defining a common purpose and creating a process to address the challenges