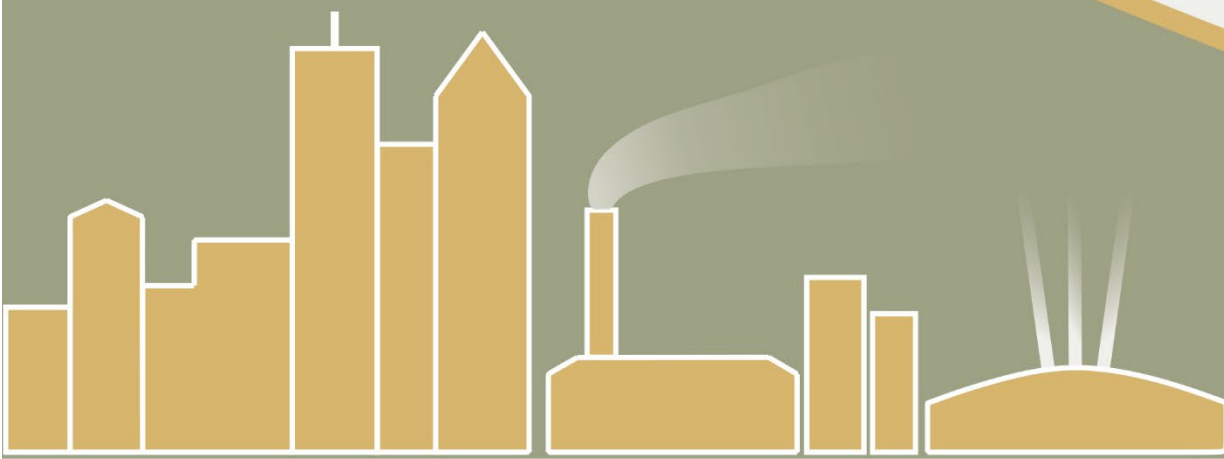




The Anthropocene Sediment Network Conference 2025

18th June 2025
Online

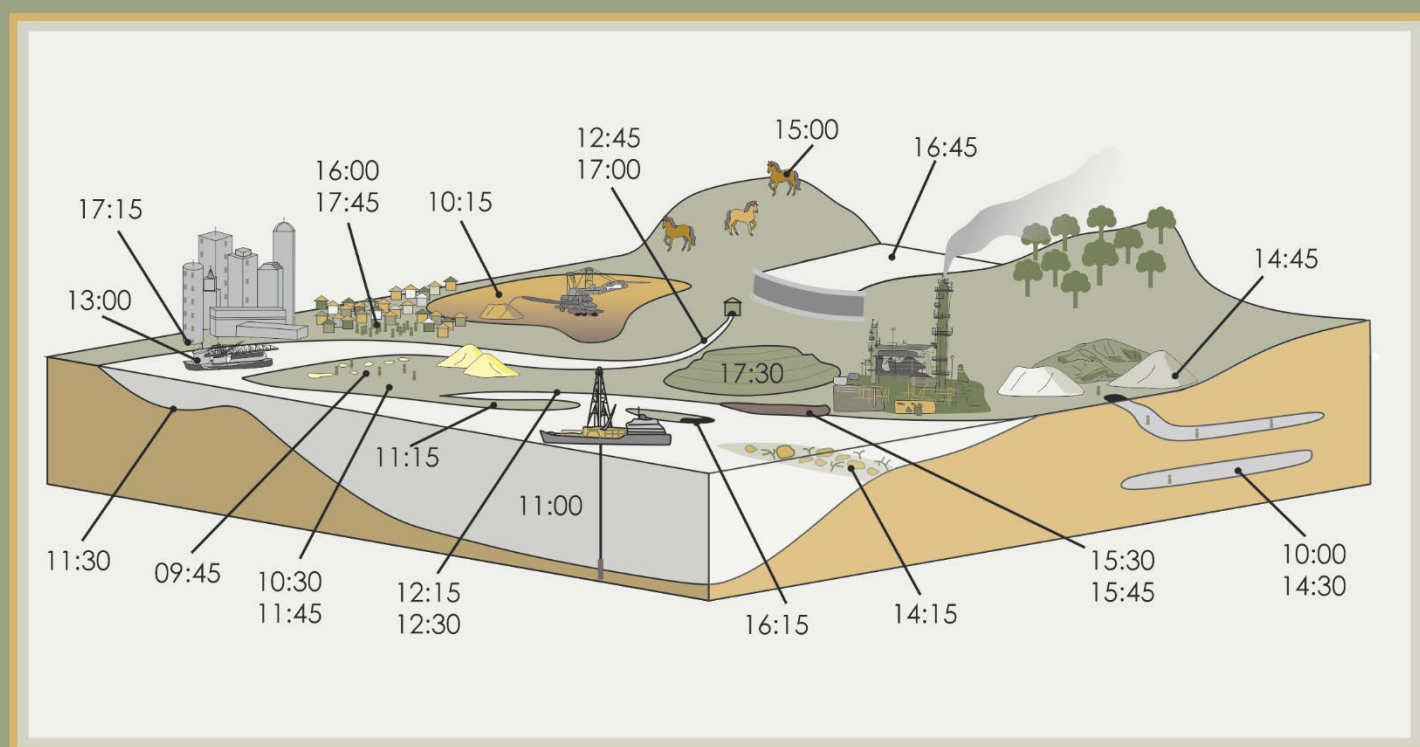


Today's sediment doesn't just route through natural systems, but also engineered channels, infrastructures, economies, and legislation. We have entangled the physical matter of the Anthropocene with social, political, and novel ecological forces, shaping new patterns of erosion, transport, deposition, and legacy.

The Anthropocene Sediment Network (ASN) exists to explore this expanded understanding of sediment. Founded to support open, collaborative, and cross-disciplinary exchange, the ASN is a space for anyone working with materials and processes that are human made or impacted. If you are modelling particle flows, urban flows, designing restoration systems, or reimagining the sedimentary archive in any way, the ASN is for you.

The 2025 ASN Conference brings together researchers, practitioners, and creative thinkers from across many fields, spanning environments from coasts and rivers to engineered environments such as dams, reservoirs, and mines. Across 26 presentations, we will address materials ranging from plastiglomerates to industrial minerals, and explore how it is made, moved, altered, and remembered through scientific, historical, artistic, environmental, architectural, and ethical lenses.

All times are listed in UK London time (BST / UTC+1)



Conference Programme

09:30 Introduction to the Anthropocene Sediment Network
Catherine Russell, *Loughborough University*

09:45 How Sand Mining Reshapes River Beds and Water Flow on the Mekong River
Chris Hackney, *Newcastle University*

10:00 Shaping the Land: How Centuries of Mining Altered England's Landscape
Bryony Reynolds, *JNP group*

10:15 I was born next to a hole – Artistic Research in the Central German Lignite Mining District
Frida Teller, *Artistic Researcher*

10:30 Anthropogenic sediments and their role in coastal subsidence
Kay Koster, *TNO Geological Survey of the Netherlands*

10:45 – 11:00 **BREAK**

11:00 Sediments of the "old oceans"
Christoph Rosol, *Max Planck Institute of Geoanthropology*

11:15 A Sublime Blunder: anthropogenic grains composing the Leslie Spit, Ontario, Canada
Rachel Rozanski, *Concordia University*

11:30 Rethinking Earth Surface Processes in the Age of Plastic-Rich Sediments
Eun Young Lee, *Department of Geology, University of Vienna*

11:45 Geomorphic characteristics of eroding anthropogenic coastlines
Billy Arthur Newman, *Queen Mary University of London*

12:00 – 12:15 **BREAK**

12:15 Tumbled, Rolled, and Buried: plastic debris incorporated into shoreline grasses
Patricia Corcoran, *University of Western Ontario*

12:30 Searching for Microplastics in Coastal Environments: Leaky Lagoons and Sticky Shorelines
William Bailey, *University of Texas at Austin, Jackson School of Geosciences*

12:45 Dam Construction Interrupts Channel-Floodplain Processes in Andean Foreland Rivers
Muriel Brückner, *Louisiana State University*

13:00 Shaping Rivers: Dredge Placement Sites along the Upper Mississippi
Elaine T. Stokes, *DDes, Rhode Island School of Design*

13:15 – 14:15 **LUNCH BREAK**

- 14:15** “Plastic Frankenrocks”? – Plastiglomerates and other types of rock-like plastic pollution in coastal ecosystems
Lars Reuning, *CAU Kiel University*
- 14:30** Against the force of gravity: the movement of materials from deep strata to surface through human actions
Matthew Edgeworth, *University of Leicester*
- 14:45** Minewastes - a range of metalliferous Anthropocene sediments
Gawen R. T. Jenkin, *Centre for Sustainable Resource Extraction, University of Leicester*
- 15:00** Reverse Alchemy
Jessica Segal, *Artist*
- 15:15 – 15:30** **BREAK**
- 15:30** Evidence for a rapid anthropoclastic rock cycle
Amanda Owen, *University of Glasgow*
- 15:45** How Anthropogenic Sediments turn into Rocks
John MacDonald, *University of Glasgow*
- 16:00** Affective Gradualism: Tracing Continuities Across Time, Uncovering Ethical Treasures
Daniel Allen Solomon, *De Anza College*
- 16:15** Anthropocene Indicators in the Arabian Gulf: Plastiglomerates and Pyroplastics on a Sea Turtle Nesting Beach
Kannaiyan Neelavannan, *King Fahd University of Petroleum & Minerals*
- 16:30 – 16:45** **BREAK**
- 16:45** The sedimentological consequence of the Glen Canyon Dam “Experiment”
Cari Johnson, *University of Utah*
- 17:00** Humankind's legacy in flood deposits – Anthropogenic markers in recent flood deposits downstream of Vienna
Diana Hatzenbühler, *Department of Geology, University of Vienna*
- 17:15** Trash Detection to Track Waste Pathways into Storm Drain Systems
Matthew Brand, *Louisiana State University*
- 17:30** Thin Natures, Speculative Cores, and Rumors of The Regenerative Turn
Dev Harlan, *Columbia University*
- 17:45** Detecting Microplastics in Bio-Samples: A Bridge Between Environmental Toxicology and Clinical Science
Charushree Sivakumar, *Indian Institute of Technology Madras*

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Sign up to attend here:



<https://us06web.zoom.us/meeting/register/ttv-u0WtRnyPlgPeGDRKaw>

<https://anthroednet.com>

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