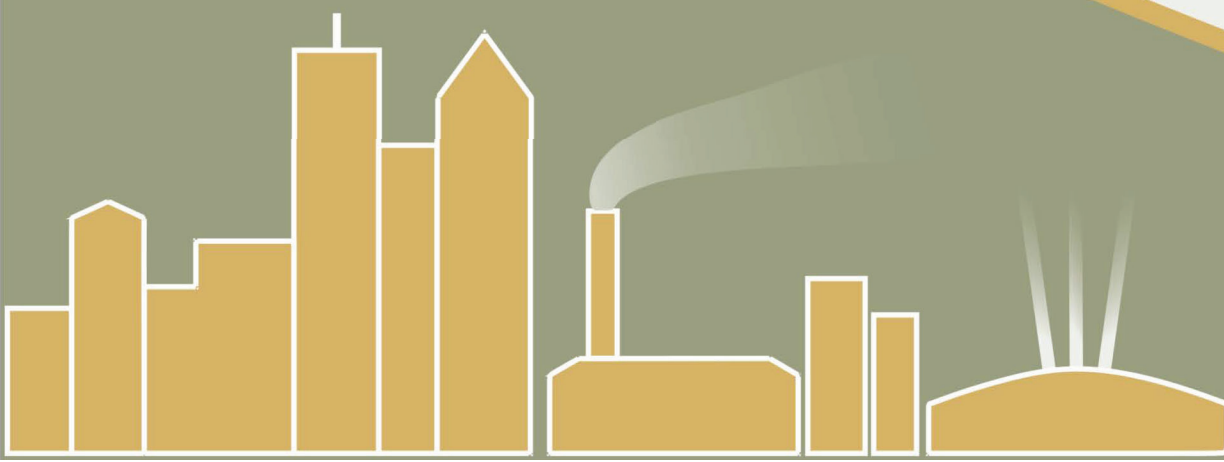




# The Anthropocene Sediment Network Conference 2026

27th May 2026  
Online



The Anthropocene Sediment Network (ASN) was established in 2020 to bring disciplines together to discuss the complex challenges of today's sediment. We consider sediment to be anything that *can* move on Earth, which connects our natural and made worlds, and we consider sediment routing through both natural and engineered channels.

The ASN supports open, collaborative, and cross-disciplinary exchange, with many opportunities open to all members, and membership is free! If you are working with materials and processes that are human made or impacted, modelling particle flows, urban flows, designing restoration systems, or reimagining the sedimentary archive in any way, the ASN is for you.

The 2026 ASN Conference brings together researchers, practitioners, and creative thinkers spanning landfill sites to rivers. Across 19 presentations, we will explore how materials are made, moved, altered, and archived through scientific, archaeological, materials science, engineering, and governance lenses.

Thank you all for your continued support of the Anthropocene Sediment Network, and thank you to Loughborough University for sponsoring our activities. Above all, thank you to the ASN Team, who keep everything running behind the scenes, this wouldn't be possible without you.



**Dr Catherine Russell**  
Loughborough University



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**Dr Julie Hope**  
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**Prof. Cari Johnson**  
University of Utah



**Dr Eun Young Lee**  
University of Vienna



**Mofizur Rahman**  
Potsdam Institute for Climate  
Impact Research (PIK)



**Penny Tristram**  
Arts University Bournemouth

# Conference Programme

- 10:00** Framing the complexities of change with the Anthropocene Sediment Network  
**Catherine Russell**, *Loughborough University*
- 10:15** Microplastics and PAH contamination in the Eastern Arabian Sea: A synergistic environmental hazard  
**Priyansha Gupta**, *CSIR-NIO, Goa, India and Tecnológico de Monterrey, Mexico*
- 10:30** Illuminating land/Land and sediment relations of 12-16th Century tin mining on Dartmoor (UK)  
**Varyl Thorndycraft**, *Royal Holloway University of London*
- 11:00** The Dredging Trap: Progress or Problems?  
**Avli Verma**, *Hawapani Foundation, Manthan Adhyayan Kendra*
- 11:15** Submarine canyons as microplastic reservoirs: insights from a reduced complexity model  
**John Armitage**, *IFP Energies Nouvelles*
- 11:30 – 11:45**      **BREAK**
- 11:45** How is the 'Grand Canyon of Bengal' changing? Depositional environment, gully erosion and tourists' footprints on a geological heritage site in SW Bengal Basin, India  
**Rajarshi Dasgupta**, *Presidency University, Kolkata, India*
- 12:00** Assessing Multi-decadal Sediment Connectivity and Hydro-Climatic Controls in the Semi-Arid Chambal Basin  
**Priyamvada Dubey**<sup>1</sup>, Vikrant Jain<sup>1</sup>, Manudeo Singh<sup>2</sup>; <sup>1</sup>*Indian Institute of Technology, Gandhinagar, India, Aberystwyth University, UK*
- 12:15** Sediment collections as a tool for promoting geodiversity  
**Larissa Souza Thiesen**, *Universidade Federal do Rio Grande do Sul*
- 12:30** Engineering the Anthropocene: Waste, Constraint, and Vertical Sedimentation in Malta's Landfills  
**Darren Bland**, *CQA International Ltd*
- 12:45** Young Fossils - Novel Plastic Forms on the UK's Jurassic Coast  
**Penny Tristram**<sup>1</sup>, Christian McLening<sup>1</sup>, <sup>1</sup>*Arts University Bournemouth*
- 13:00 – 14:00**      **LUNCH BREAK**

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

- 14:00** The influence of sedimentary processes in microplastics distribution in marine sediments offshore the Tiber River mouth (Central Tyrrhenian Sea)  
**Martina Pierdominico**, *CNR, Istituto di Geologia Ambientale e Geoingegneria*
- 14:15** The influence of anthropogenic materials in recent coastal rocks: the study case of Brazilian anthropoquinas  
**Gerson Fernandino**<sup>1</sup>, Carla I. Elliff<sup>2</sup>, John MacDonald<sup>3</sup>, Amanda G. Rodrigues<sup>1</sup>,  
<sup>1</sup>*Federal University of Rio Grande do Sul (UFRGS), Brazil*, <sup>2</sup>*University of São Paulo (USP), Brazil*, <sup>3</sup>*University of Glasgow, Scotland*
- 14:30** Mapping the Anthropocene in the coastal environments of southern Brazil  
**Mariah Xavier Rocha**, *Universidade Federal do Rio Grande do Sul - Brazil*
- 14:45** Geometric form and density govern microplastic particle kinetics during aeolian transport  
**Lucrecia Alvarez Barrantes**, *Loughborough University*
- 15:00** From passive particles to active agents: microplastics reshape mud deposition  
**Francesca Uguagliati**, *University of Padua*
- 15:15 – 15:30**        **BREAK**
- 15:30** Settling and Rising Dynamics of 80% of River Litter  
**James Lofty**, *Karlsruhe Institute of Technology*
- 15:45** Can anthropogenic components change sediment classification?  
**Ana Carolina Marques da Silva**, *Universidade Federal do Rio Grande do Sul, Brazil*
- 16:00** Asbestos cement fragments in beach sand (Taranto, southern Italy)  
**Massimo Moretti**, *DiSTeGeo, University of Bari, Italy*
- 16:15** In vitro evidence of Microbially Induced Carbonate Precipitation (MICP) associated to anthropogenic particles  
**Caroline Zilio Lopes**, *Pontifical Catholic University of Rio Grande do Sul (PUCRS)*

As well as this annual conference, we run regular Focused Events and offer a range of opportunities. Check out our website for more information.

You can sign up to be a member of the Anthropocene Sediment Network for free at <http://anthroседnet.com>.

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

Register to attend here:



Thank you to our Sponsor:



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