

## IGS UK CHAPTER &amp; ICE NORTH WEST

## “Panel Discussion: Geosynthetics for Sustainable Development”

<b>Date:</b>	Tuesday 17 <sup>th</sup> May 2022
<b>Registration Link:</b>	<a href="#">IGS UK &amp; ICENW - Discussion Panel - Registration</a>
After registering you will receive a confirmation email with the link to join the Panel Discussion	
<b>Time:</b>	<b>17:30 – 19:00 (UK Time)</b> (Waiting room opens at 17:15)

### Synopsis:

To open the discussion about sustainability and CO2 reduction, the panellists will start with a brief introduction on the UN Sustainable Development Goals and how geosynthetics can contribute to meeting the goals. They will introduce the IGS global vision, the current status on sustainability from the Global and European commissions and the UK and EU governance towards carbon reduction in the construction industry. They will present a history of progress in the UK to reducing CO2 in civil engineering and the challenges in reaching net zero. Geosynthetics case studies will be discussed with practical and quantifiable solutions to reduce CO2. After this the panel will be open for discussion and will take questions from the audience.

### The Panellists:

**Nathalie Touze, IGS Vice President:** Dr. Touze has been conducting research on geosynthetics for the past 28 years, with particular emphasis on hydraulic and environmental applications. She is the head of the INRAE center at Jouy-en-Josas-Antony, a French public research institute, which has been at the forefront of geosynthetic research since 1972. She has authored about 200 papers and serves or has served on a number of national technical committees especially for the use of geosynthetic clay liners and geomembranes. Her experience has been acknowledged in the field of standardization and she has served as convener of WG4 (hydraulics) in ISO TC 221 and CEN TC 189. Dr Nathalie Touze was a Keynote Lecturer at the Eurogeo 4 and Eurogeo 5 conferences. She was also an invited lecturer at the 7<sup>th</sup> International Conference on Environmental Geotechnics in 2014 (Melbourne, Australia) and was awarded the 6<sup>th</sup> Giroud Lecture, that was presented along the 11<sup>th</sup> International Conference on Geosynthetics in Seoul, Korea.



**John Kraus, IGS Executive Director:** Alongside the smooth running of IGS operations, John's focus is on communicating the benefits of geosynthetics for sustainable outcomes. He also provides senior executive services to organisations that promote sustainable practices. Previous roles include Head of Sustainable Urbanisation and Director External Affairs at RICS, where he led RICS' international research and sustainability programmes, and the establishment of the award-winning World Built Environment Forum. Prior to joining RICS, John served as a UK diplomat, completing substantive postings to several European capitals, with a focus on multilateral issues including climate change.



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**Tim Chapman, Director at Arup:** Tim is an Arup Director and highly experienced infrastructure designer who has worked on a range of large transport, energy and property projects. He has been an influential agent for change in setting up the new systems to make UK infrastructure systems much lower carbon. He is very interested in devising ways to make our infrastructure systems increase national happiness by promoting prosperity and well-being, as well as addressing climate change, biodiversity, social value and resilience. Tim is a Fellow of the Institution of Civil Engineers and of the Royal Academy of Engineering. He is currently chair of an ICE Workstream for identifying systems level reduction in in use carbon and a member of the Association of Consulting Engineer's (ACE) Net Zero Task Force, charged with preparing an influential industry statement for COP26.



**David Shercliff, Chief Engineer ABG Geosynthetics Ltd:** David is a Civil Engineer who has worked in the geosynthetics industry from its fledgling beginnings over the last 38 years to today where he runs a team of specialist geosynthetic design engineers. He has helped develop several unique materials and given many presentations around the world at conferences and seminars to educate Engineers in efficient and most importantly, environmentally friendly solutions which save, in some cases, vast amounts of CO<sub>2</sub>. David serves IGS UK by representing them on the BSI committee for geosynthetic standards, and on European (EN) and International (ISO) standards as an Expert in hydraulics applications. He also serves on the IGS International Sustainability Committee which looks for ways to communicate the very large sustainable benefits of using geosynthetics in ground engineering. David has recently been invited to represent the IGS in the ICE Community Advisory Board (CAB) to further encourage best practice for ICE members to obtain Net Zero carbon impact in civil engineering.



#### NEXT IGS UK EVENT

<b>In-person Event:</b>	<b>6<sup>th</sup> IGS UK SYMPOSIUM “CONTAINMENT ENGINEERING”</b>
<b>Registration link:</b>	<a href="#">Click here to register in the Symposium</a>
<b>Date:</b>	Tuesday 28 <sup>th</sup> June 2022
<b>Time:</b>	8:30 – 17:00 (UK Time)
<b>Location:</b>	Tunnel Club, Etihad Stadium, Manchester, M11 3FF

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