

Webinar Series



Constructing a Digital Environment

Topic: SENSUM – Smart SENSing of landscapes Undergoing hazardous hydrogeological Movement

Speakers: Georgie Bennett and team

Time: Friday 2nd December 11:00 GMT

Registration https://ukri.zoom.us/webinar/register/WN_9odfE46BQI63U0wTm24Gzg

Floods and landslides affect UK every year and with climate change and an increase in intensity and frequency of extreme rainfall events, more number of people, properties and infrastructure are vulnerable to such dangers. Therefore, monitoring of unstable hillslopes and flood prone rivers as well as defences designed to manage these is increasingly vital. SENSUM proposes to a new integrated way to tackle these 'hydrological' hazards, taking advantage of advances in wireless sensor network (WSN) and internet of things (IoT) technologies, microelectronics and machine learning.



The **NERC Constructing a Digital Environment (CDE) programme** is running a series of online Webinars, aiming to develop the digitally enabled environment, benefitting scientists, policymakers, businesses, communities and individuals. The webinar series seeks to showcase the latest expertise in digital technology and methodologies applied to the environment, illustrating 'the arc' from data gathering, its management and curation, analysis and presentation to decision makers, covering topics such as distributed networks of sensors, new sensor technology, novel forms of data informatics (e.g. data lakes, data cubes), data analytics, uncertainty, data labs, apps, skins and tools to support decision makers across the society.



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