

<i>Session Title</i>	10 years of SDG 11 spatial monitoring: What have we learnt and what opportunities exist for Bigdata and Geospatial information to scale up efforts
<i>Session Description</i>	<p>This session explores how big data analytics is transforming the way cities are monitored, managed, and made more inclusive, resilient, and sustainable in line with SDG 11. With the growing availability of satellite imagery, mobile data, IoT sensors, and citizen-generated data, cities now have unprecedented tools to understand spatial and social dynamics in near real time.</p> <p>The session will spotlight cutting-edge applications in open public space monitoring, demonstrating how Earth observation and AI-driven image recognition are used to track urban greening and equitable access. It will also feature case studies on urban transportation monitoring, where data from GPS, ride-sharing platforms, and public transit systems are used to optimize mobility and reduce emissions.</p> <p>Panelists will discuss methodological innovations, data governance frameworks, and the ethical use of big data, while also reflecting on how local governments and communities can be empowered to use these tools for decision-making. The session will offer practical insights into how integrated big data systems can strengthen SDG 11 monitoring frameworks especially in low-resource settings and provide a blueprint for cities striving to become smarter, more transparent, and people-centered.</p>