

The 6th International Forum on Big Data for Sustainable Development Goals (FBAS 2026)

Session Proposal Template

<i>Session Title</i>	Enhancing SDG 6 Implementation through Digital Indicator Systems: Science, Data and Country Practices	
<i>Session Chair(s)</i>	<i>Name</i>	Shanlong Lu
	<i>Affiliation</i>	International Research Center of Big Data for Sustainable Development Goals (CBAS)
	<i>Profile (200-word limit)</i>	Prof. Shanlong Lu is a leading researcher in hydrological remote sensing and water-related SDG monitoring. He serves as International Coordinator for SDG 6 at CBAS and has extensive experience in developing Earth observation-based methods for water resources assessment, including lake storage estimation, river discharge monitoring, and water-related ecosystem evaluation. He has led multiple international initiatives on SDG 6 data products and contributed to global SDG monitoring frameworks through collaborations with UN agencies and international scientific organizations. His current work focuses on advancing digital indicator systems and AI-enabled approaches to support data-driven water governance and sustainable development.
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<i>Session Chair(s)</i>	<i>Name</i>	Weidong Zhang
	<i>Affiliation</i>	United Nations Development Programme (UNDP) China
	<i>Profile (200-word limit)</i>	Mr. Weidong Zhang is the Assistant Resident Representative of UNDP China. He has been actively engaged in promoting SDG implementation and fostering international cooperation for sustainable development. His work focuses on integrating data, digital innovation, and policy frameworks to support evidence-based decision-making. He has contributed to advancing SDG localization and facilitating partnerships among governments,

		international organizations, and research institutions. In particular, he supports initiatives that bridge scientific knowledge and practical applications to enhance sustainable development outcomes.
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Preferred Topics	Digital Indicator Systems for SDG 6 Data-driven Water Governance and Decision Support Earth Observation for Water Monitoring and Indicators AI-enabled Analytics for Water-related SDG Assessment SDG 6 Implementation and Country Applications	
Session Description <i>(200-word limit)</i>	<p>Achieving SDG 6 requires not only improved monitoring but also enhanced capacity to translate data into actionable insights for water governance. However, current SDG 6 indicators are often constrained by limited spatial and temporal resolution, weak process representation, and insufficient support for decision-making in complex water systems.</p> <p>This session introduces a digital indicator system for SDG 6, developed through multi-source data integration, Earth observation, and AI-based analytics. Moving beyond traditional monitoring approaches, the system enables dynamic, spatially explicit, and computable representations of water-related processes, risks, and management performance.</p> <p>The session will bring together country representatives and regional organizations, including Lao PDR, Cambodia, Nepal (ICIMOD), Uzbekistan, and Kyrgyzstan, to share practical experiences in applying digital indicators to national and regional contexts. These cases will demonstrate how data-driven approaches can support water resource assessment, policy planning, and cross-border cooperation.</p> <p>By linking science, data, and country practices, the session aims to foster a shared understanding of next-generation SDG 6 metrics and promote their broader adoption for accelerating implementation.</p>	

<p><i>Expected outcomes</i> <i>(50-word limit)</i></p>	<p>Promote a shared framework for digital SDG 6 indicators, showcase country-level applications, and strengthen collaboration between science and policy communities to advance data-driven water governance and SDG implementation.</p>
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Please submit filled session proposal to fbas@cbas.ac.cn before **April 30, 2026**