

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

Session Proposal Template

<i>Session Title</i>	Population and Big Data at the Science–Policy Interface of Sustainable Development	
<i>Session Chair(s)</i>	<i>Name</i>	Dan HE, Leiwen JIANG
	<i>Affiliation</i>	China Population and Development Research Center Shanghai University
	<i>Profile (200-word limit)</i>	Ms. He Dan serves as the Director-General and Research Fellow of China Population and Development Research Center (CPDRC). She is a member of the Thirteenth and Fourteenth National Committee of the Chinese People's Political Consultative Conference (CPPCC), President of Population and Family Planning Periodical, President and Editor-in-Chief of China Health and Family Planning Yearbook, and Chair of the Editorial Board for China Population and Development Studies

		<p>(English Journal). Additionally, she holds the position of Chief Expert at the Health and Population Development Research Institute under the National Health Commission (NHC). With a dedicated focus on population and development research and policy support, she has actively contributed to the drafting of several crucial national documents. Ms. He has undertaken numerous projects funded by the National Social Science Foundation of China, key S&T research programs, and major research initiatives of national high-end think tanks. Her research findings are featured in over 70 academic papers and commentary articles published in journals such as Population Research and Economic Daily. Furthermore, she has edited 15 publications, including China Population Prospects, Research Report</p>
--	--	--

		<p>on Health Poverty Alleviation in China, etc.</p> <p>Professor Jiang Laiwen is currently Professor at the School of Sociology, Shanghai University, the Founding Director of the Asian Demographic Research Institute, as well as Senior Researcher and Project Advisor at the Population Council, United States. He was a Lead Author for the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Chair of the Technical Committee of the IPCC Trust Fund, and Member of the Expert Committee on Climate Change Science of the International Union for the Scientific Study of Population (IUSSP). He currently serves as Member of the UN Sustainable Development Goals Expert Committee, Member of the New York</p>
--	--	---

		<p>City Climate Change Expert Committee, and Director of the Asian Population Association, among other concurrent academic appointments. His research focuses on the social dimensions of environmental change, methodological improvement of demographic analysis in environmental and climate change research, and the application of demographic methods and modelling tools to socioeconomic, environmental and climate change pathways. His research also covers household demographic structure, changes in energy consumption patterns, and the socio-ecological impacts of urbanization and population migration. He has published more than 70 academic papers in journals including Science, PNAS, The Lancet, and various Nature sister journals.</p>
	<i>e-mail</i>	gjldr2012@qq.com

		ljiang@shu.edu.cn
Contact Person	<i>Name</i>	Junlei YUAN
	<i>e-mail</i>	fungus_yuan@163.com
Preferred Topics	Population and Big Data at the Science–Policy Interface of Sustainable Development	
Session Description <i>(200-word limit)</i>	<p>This session positions demographic information as a core component of the science–policy interface, highlighting its role in measuring progress, enabling disaggregation by people and place, and assessing inequality and inclusiveness in line with the SDGs.</p> <p>Recent advances in data science—including geospatial population data, administrative microdata integration, and mobility data—offer new opportunities to complement traditional demographic sources such as censuses and surveys. At the same time, modeling tools ranging from indirect estimation and multidimensional demography to machine learning and Bayesian hierarchical models allow for more nuanced analysis of population–environment–development interactions. Integrating these approaches can enhance both the analytical rigor and the policy relevance of M&E systems.</p>	

The session will be organized around key questions, including:

- How can demographic data systems be better integrated with emerging big data sources to improve the timeliness, granularity, and comparability of sustainable development indicators?
- In what ways can data science-based modeling tools complement traditional demographic methods in capturing complex population-environment-development interactions?
- How can monitoring and evaluation frameworks more systematically incorporate demographic dynamics, particularly in relation to inequality, vulnerability, and inclusiveness?
- What are effective pathways for translating data and modeling insights into policy-relevant tools and decision-making processes at national and international levels?

<p><i>Expected outcomes</i> <i>(50-word limit)</i></p>	<p>The session will bring together social and natural scientists, policy analysts from international and national institutions, as well as government officials and practitioners, to explore how demographic data and data-driven modeling can be more effectively translated into decision-support tools at national and international levels.</p>
--	--

Please submit filled session proposal to fbas@cbas.ac.cn before **April 20, 2026**