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Population data innovations: Collection, analysis and use

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Expert Consultation Series on Population, Technology and Research in the Context of Sustainable Development

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Population data actions in the ICPD Programme of Action

- 1994: Governments of all countries...should strengthen their national capacity to carry out sustained and comprehensive programmes on collection, analysis, dissemination and utilization of population and development data.
- Programmes for the collection, processing, analysis and timely dissemination and utilization of population and related development data should include disaggregation, including gender disaggregation...
- Databases, information networks, training programmes
- 1999 Key actions: The United Nations system and donors should be urged to strengthen the capacity of developing countries...to undertake censuses and surveys on a regular basis ... improve vital registration systems, and develop innovative and cost-effective solutions for meeting data requirements



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CPD resolution 2016/1: Strengthening the demographic evidence base for the 2030 Agenda for Sustainable Development

- Develop national capacities to generate, analyse and disseminate high quality, accessible, timely, reliable disaggregated population data from all available official data sources, including population censuses, civil registration, household surveys, population registers and other relevant administrative records, with respect for confidentiality.
- Census as one of the primary sources of data for policies and programmes aimed at sustainable development, poverty eradication and gender equality
- Strengthening of systems for the universal, reliable, and timely registration of birth, marriage, divorce, death, and other vital events; production of vital statistics; coverage and accuracy improvements
- Strengthen national capacities to conduct household surveys



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CPD resolution 2016/1: Strengthening the demographic evidence base for the 2030 Agenda for Sustainable Development *(continued)*

- Leverage new data sources, including Big Data, and technology to improve efficiency of data collection, processing and dissemination
- Urged geo-referencing as standard practice
- Encouraged open-data policies allowing dissemination of public-use, geo-referenced and anonymized micro-data



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What is the status of technological advancements?

- Innovations and technological advances in “traditional” data sources: censuses; civil registration and vital statistics; population registers; household surveys
- Integration of geo-referenced datasets with population data
- Non-traditional/Big Data
- New analytical methods e.g. AI, machine learning



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A low-angle, upward-looking photograph of a modern skyscraper with a dark, textured facade. The building's lines converge towards the top of the frame. The sky is a vibrant blue, filled with scattered white clouds. In the bottom right corner, there are several overlapping, semi-transparent white geometric shapes, including squares and rectangles, some with a slight drop shadow.

Thank you.