



4TH INTERNATIONAL CONFERENCE ON

BIG DATA

for Official Statistics

8-10 NOVEMBER 2017
BOGOTA, COLOMBIA

**BIG DATA
BOGOTÁ D.C**
Secretaría Distrital de Planeación

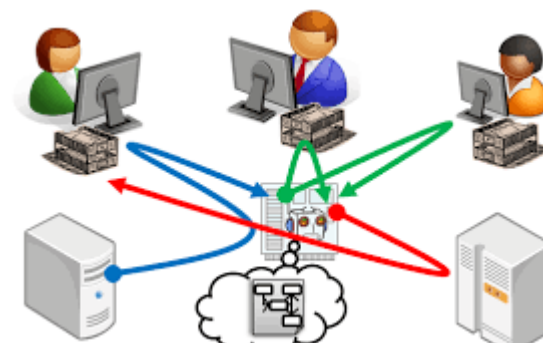
**Department of Information and
Studies**



How can statistical offices, private sector, service providers, technology companies, data owners collaborate in a mutually beneficial way in a changing world, in which access, discovery and use of data are seen as the most important source for creating wealth and development for all?



- ✓ Design programs
- ✓ Making public policy (Take the best decision)
- ✓ Monitoring and evaluation: programs and policies
- ✓ Make analysis for the take makers
- ✓ Provide official information for the citizens: **collected, processed, systematized, standardized and analyzed, for making decision and for the public**



**What are the experiences and lessons learned from existing data collaboratives in relation to coverage, inclusion (and exclusion) of partners, activities, management and financing?
Can we scale best practices of these institutional mechanisms and initiate new mutually beneficial collaboratives under United Nations aegis?**



Bogota's achievements – data use:

- ✓ Sources for formulation, orientation and coordination of planning policies for territorial, economic, social and cultural development
- ✓ Tools for monitoring and evaluation public policies
- ✓ Information for making decisions: location of households and businesses
- ✓ Public management
- ✓ Review of the temporality of social programs and analysis of their effects on the occupation of the territory.
- ✓ Knowledge management for the city
- ✓ Information of the regional dynamics: development and environmental effects



How can we share micro-data and other sensitive data in a federated cloud environment given regulatory frameworks for data privacy and statistical laws protection confidentiality and respecting private sector commercial considerations?



- ✓ National Regulation - National Estadistical System (Ley 1753 de 2015 - Decreto 1743 de 2016)

- ✓ Local Regulation
 - Statistical Framework
 - Guide to Share information



How could we effectively and collaboratively share and use modern software tools and services, such as data lakes, integrated geo-spatial data and statistics, or open source elastic stack while adapting job profiles and skills sets in the statistical offices?



Data base for dwellings –
Data base for social programs - SISBEN
Geographic and Alphanumeric Information for internal and external users - BDG
Data Base for building authorization – web service
Household survey - Encuesta Multipropósito
Economic information – CCB y SDP
Citizens requirements

- ✓ Network - Central researches
- ✓ Research and analysis - social, demographic, economic, territorial, cultural, environmental
- ✓ Software for get territorial occupation
- ✓ Web Pages
- ✓ Indicators for city services and quality of life

How could we effectively and collaboratively set internationally agreed standards for statistical methods for use of Big Data and data integration, and data and technology infrastructure?



- ✓ Certify quality
- ✓ Follow up international and national standards
- ✓ Give reliability of information
- ✓ Make public policy: use the information and analysis
- ✓ Share all information for the researchers, take makers, citizens
- ✓ Apply technology for process, systematize, standardize and analyze Data



THE UNITED NATIONS GLOBAL
WORKING GROUP ON BIG DATA



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