Can a problem-solving approach help increase the value of data as a substrate for decision and policy making?
Digital Ecosystem
Through data

Apps

Users

Infrastructure

Services

DATA
¿How do we do it? Data governance framework

**LEGAL FRAMEWORK AND GUIDELINES**
- Transparency Law
- Digital Government Decree
- Government Data exploitation policy
- Standards and Open Data Guide

**STAKEHOLDERS**
- MinTIC-leader initiative
- Secretary of Transparency
- National Planning Department
- National Department of Statistics
- Civil society
- Academy
- Traditional and alternative journalism media
- Research Centers
- Entrepreneurs
- IT Companies

**INCENTIVES**
- Generation of capabilities
- Visibility of uses
- Entrepreneurship programs

**ENABLERS**
- Data platform
- Tools for quality and use
- Computational infrastructure for data processing

**MEASUREMENT AND MONITORING**
- Seal of Excellence Digital Government Index
- International indexes

**GENERATION OF CAPABILITIES**
- Visibility of uses
- Entrepreneurship programs
RESULTS

We enhance data ecosystem and enable solutions to public problems

MINTIC

1. We have created SMEs from data: 50 new business models
2. We work with the academy: close gap
3. We activate civil society: Social control initiatives with civil society - RallyColombia
4. Support traditional and alternative journalism: El Tiempo, Dataskecht and Silla Vacia
Digital Government Policy

ICT to improve digital services, development of efficient internal processes, decision-making based on data, empowerment of citizens and development smart cities and territories, achieved from the consolidation competitive, proactive, and innovative agencies and citizens that create public value in an environment of digital confidence.
WE WANT CONVERGENT EFFORTS

FIRST ROUTE MAP

1. SERVICES
2. DATA
3. SYSTEMS

NEW ROUTE MAP
COMPREHENSIVE DIGITAL SOLUTIONS TO PUBLIC PROBLEMS CONTRIBUTING TO SUSTAINABLE DEVELOPMENT

COLOMBIA
APUESTA POR EL DESARROLLO SOSTENIBLE
CONTRIBUTE TO SUSTAINABLE DEVELOPMENT

PUBLIC PROBLEMS SOLUTIONS = CONTRIBUTED TO SUSTAINABLE DEVELOPMENT

1. Quality of digital services
2. Decision-making based on data
3. Safe and efficient internal processes
4. Citizen empowerment
5. Smart cities and territories driven by ICT

Create public value from Digital Government
They have bought cheaper medicines.

+7,000 PEOPLE
They have bought cheaper medicines

1,800 HECTARES
Rice crops optimized from the improvement of sowing periods in anticipation of the effects of climate change

53,000 APPLICATIONS
can be processed electronically and in real time, reduced from 200 to less than 60 days processing time

6,000,000 CONTRACTS
Procurement in real time to contribute to transparency and economic value

Increase agricultural productivity from adaptation to climate change

Agile processes of restitution of lands to victims of the conflict

Transparency in public procurement processes

Better health service and access to medicines

Rice crops optimized from the improvement of sowing periods in anticipation of the effects of climate change

Procurement in real time to contribute to transparency and economic value

Colombia Compra Eficiente
- **Solutions**
  Create solutions that integrate services, systems, optimization of processes and decisions based on data

- **Opening with purpose**
  More relevant and necessary information

- **Data integration**
  Structured and unstructured, public and private

- **Strengthen governance**
  Team-up with new stakeholders and strengthening the governance framework

- **Leverage of emerging technologies**
  Capture, processing and analysis of data from the use of artificial intelligence, Big Data, IoT
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