Italian National Institute of Statistics Modernisation Story

Marina Signore, Nadia Mignolli, Giulio Barcaroli
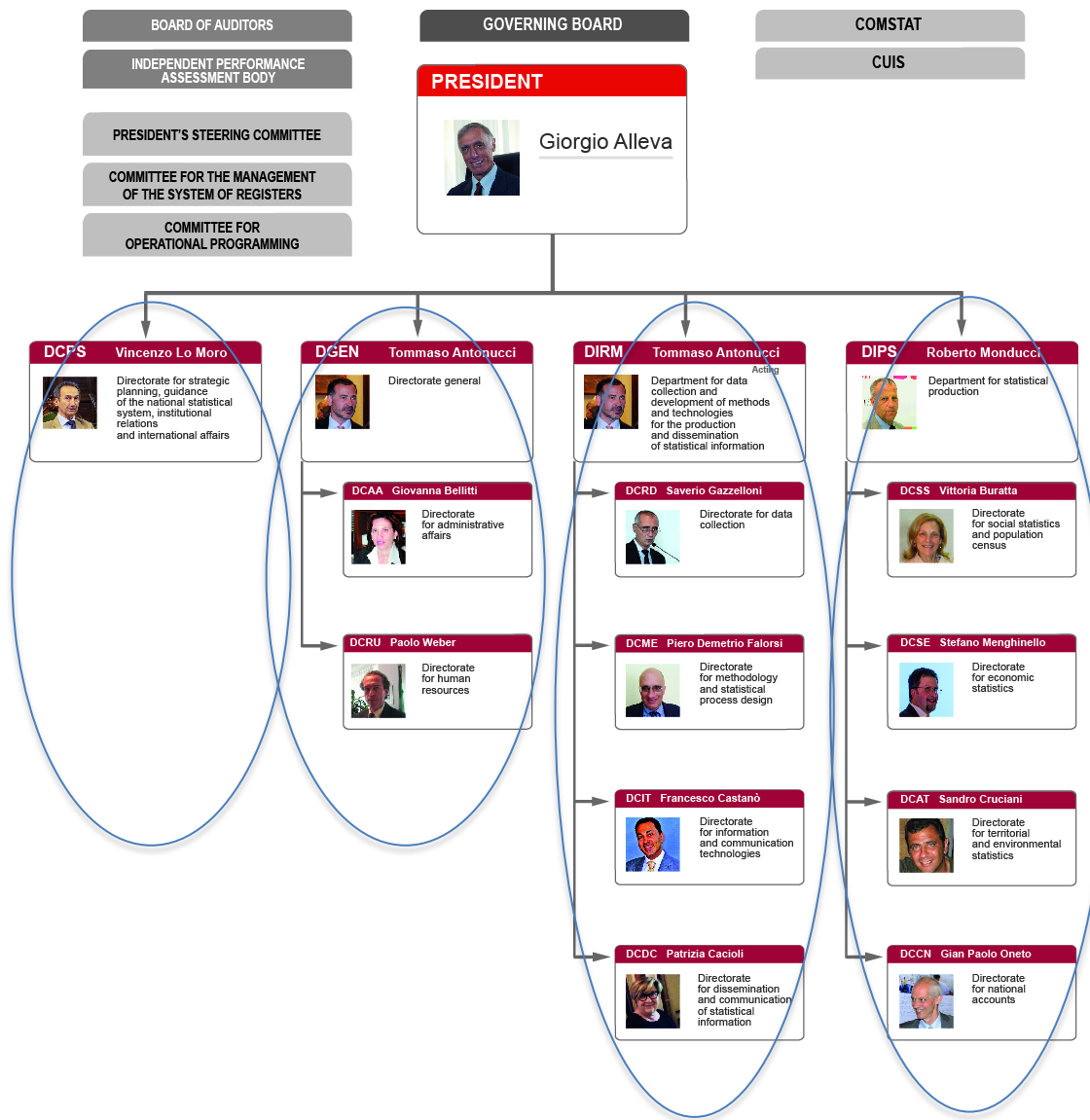Istat

Workshop on Implementing Standards
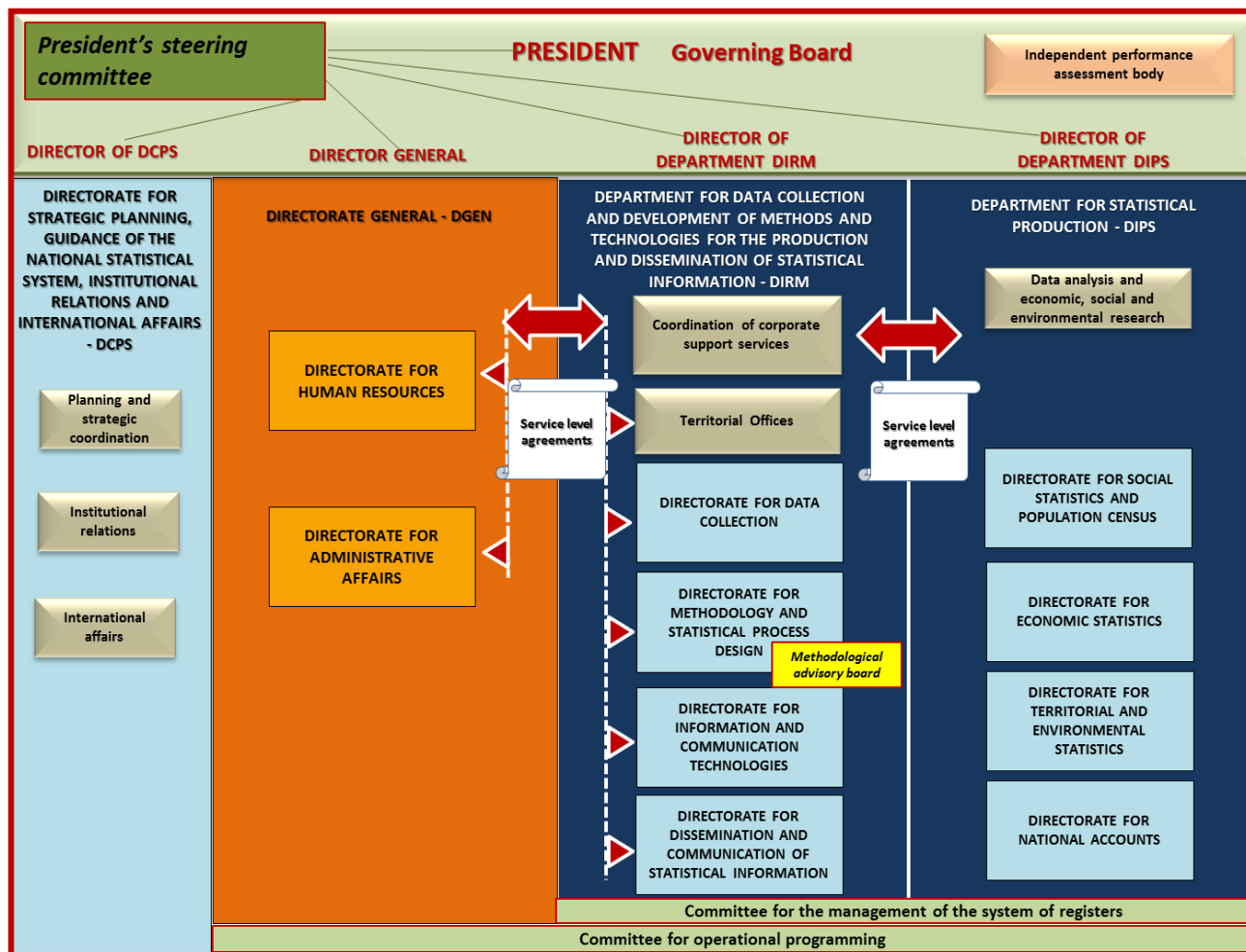21-23 September 2016
Geneva

Istat

Istat organisation

Approximate number of employees: 2,300 persons

Organisation chart:

- Since April 2016

- Governing bodies and Permanent Committees

- Departments/Directorates:
  - Production
  - **Corporate support services**
  - Administrative support
  - Strategy and planning

BOARD OF AUDITORS

GOVERNING BOARD

COMSTAT

INDEPENDENT PERFORMANCE ASSESSMENT BODY

CUIS

PRESIDENT'S STEERING COMMITTEE

COMMITTEE FOR THE MANAGEMENT OF THE SYSTEM OF REGISTERS

COMMITTEE FOR OPERATIONAL PROGRAMMING

PRESIDENT

Giorgio Alleva

DCPS Vincenzo Lo Moro — Directorate for strategic planning, guidance of the national statistical system, institutional relations and international affairs

DGEN Tommaso Antonucci — Directorate general

DCAA Giovanna Bellitti — Directorate for administrative affairs

DCRU Paolo Weber — Directorate for human resources

DIRM Tommaso Antonucci Acting — Department for data collection and development of methods and technologies for the production and dissemination of statistical information

DCRD Saverio Gazzelloni — Directorate for data collection

DCME Piero Demetrio Falorsi — Directorate for methodology and statistical process design

DCIT Francesco Castanò — Directorate for information and communication technologies

DCDC Patrizia Cacioli — Directorate for dissemination and communication of statistical information

DIPS Roberto Monducci — Department for statistical production

DCSS Vittoria Buratta — Directorate for social statistics and population census

DCSE Stefano Menghinello — Directorate for economic statistics

DCAT Sandro Cruciani — Directorate for territorial and environmental statistics

DCCN Gian Paolo Oneto — Directorate for national accounts

Istat

Istat new organisation

Istat Modernisation Story

Preliminary work

- Comparative analysis of the organisations of selected extra-Eu and Eu Countries

- Study visits to selected NSIs (Statistics Canada and Statistics Netherlands)

- Participation in international and European activities (HLG-MOS, Statistical Network, Eurostat initiatives)

Main steps and targets

- Design and implementation of a Business Architecture (BA) Model
- BA Activity Model within the Statistical Network ➡ **GAMSO**:
  - ✓ Generic activity model
  - ✓ Process flow
  - ✓ Set of principles (**7** for Strategy and **9** for Planning and designing processes)
  - ✓ Common and shared infrastructures (Repositories of HR competencies, data and metadata, standard methods and guidelines, tools and applications)
- Overcoming stovepipes, standardisation and service-oriented organisation
- Register-based statistics, data integration and mixed-source statistical registers

Istat

Istat Modernisation Story – GAMSO

When did your organisation become interested (year/version)? Since the beginning of GAMSO development; before, active participation in the Statistical Network *Business Architecture Project Team*.

Which experts and parts of the organisation* were interested first? The Modernisation Team (experts from different sectors of the Institute) and the Methodological Directorate.

Was anyone in your organisation involved in the development of this standard? Yes, through the active participation in the Statistical Network *Business Architecture Project Team*, in the HLG-MOS/Executive Board.

Which parts of the organisation* have the most implementation experience now? The Department *for data collection and development of methods and technologies for the production and dissemination of statistical information*; the Directorate *for methodologies and statistical process design.*

Challenges experienced? Centralising corporate support services (methodologies, data collection, IT, dissemination) and the overall Modernisation process itself.

Benefits gained? Designing and implementing the new organisation and organisation chart; overcoming stovepipes; laying the preconditions for standardisation and integration.

Advice to other organisations trying to implement this standard? Use GAMSO to: rationalise internal activities; identify gaps, bottle-necks, inefficiencies, so as to overcome *silos*; define principles for your organisation aligned with international experiences and best practices.

Istat

Istat Modernisation Story – GSBPM

When did your organization become interested (year/version)? Awareness has gradually grown up since its first release

Which experts and parts of the organization* were interested first? The Department *for data collection and development of methods and technologies for the production and dissemination of statistical information* and the *Metadata and Quality* Division

Was anyone in your organisation involved in the development of this standard? No. Istat contribution started with last revision (v5.0) and the development of QIs for the GSBPM

Which parts of the organisation* have the most implementation experience now? The model is well-known but experiences are concentrated in the Department *for data collection and development of methods and technologies for the production and dissemination of statistical information* and the *Methods, Quality and Metadata* Division

Challenges experienced? Istat developed a model for describing statistical processes before GSBPM was developed which has been mapped to GSBPM. We plan to fully adopt GSBPM.

Benefits gained? Common language between internal users and service providers (e.g. Istat used GSBPM in its new planning system PMO)

Advice to other organisations trying to implement this standard? Use it consistently across business units; need to deepen the descriptions below sub-processes (e.g. Thesaura); consult QIs developed for GSBPM

Istat Modernisation Story - GSIM

When did your organization become interested (year/version)? In 2013

Which experts and parts of the organization* were interested first? Metadata experts both statisticians and IT

Was anyone in your organisation involved in the development of this standard? No

Which parts of the organisation* have the most implementation experience now? The Department *for data collection and development of methods and technologies for the production and dissemination of statistical information*

Challenges experienced? Istat experienced some difficulties in adopting GSIM concepts. In some cases adaptations have been introduced (e.g. the concept of data content,..)

Benefits gained? Istat used GSIM for designing and implementing its unified metadata system - SUM

Advice to other organisations trying to implement this standard? Use GSIM for metadata systems; to harmonise concepts and descriptions across the organisation; to trace data along the production process particularly when GSIM is used in combination with GSBPM

Istat Modernisation Story - CSPA

When did your organization become interested (year/version)? Since the beginning (ESS projects CORA and CORE were the fathers/mothers of CSPA)

Which experts and parts of the organization* were interested first? IT experts and methodologists

Was anyone in your organisation involved in the development of this standard? Yes, IT experts and methodologists.

Which parts of the organisation* have the most implementation experience now? The Department *for data collection and development of methods and technologies for the production and dissemination of statistical information*, particularly IT Directorate

Challenges experienced? Need of a strong commitment to move from a very granular, often uncontrolled and heterogeneous process to a standardised one. Switch-off from legacy solutions to new ones requires properly scheduled time slots and can introduce risks in production processes.

Benefits gained? A new mentality: think your software in a more pluggable way, design it with reuse and sharing in mind. So far limited: need to have an Enterprise architecture context

Advice to other organisations trying to implement this standard? Prepare the environment through Enterprise architecture benefits; Always keep an eye to CSPA services catalogue as there could be a shared solution for almost all phases of your business process