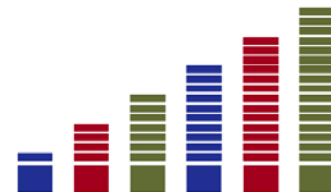# Reforming Information Quality Assurance at the National Institute of Statistics and Geography in Mexico

Session 5 – Quality Management and Governance
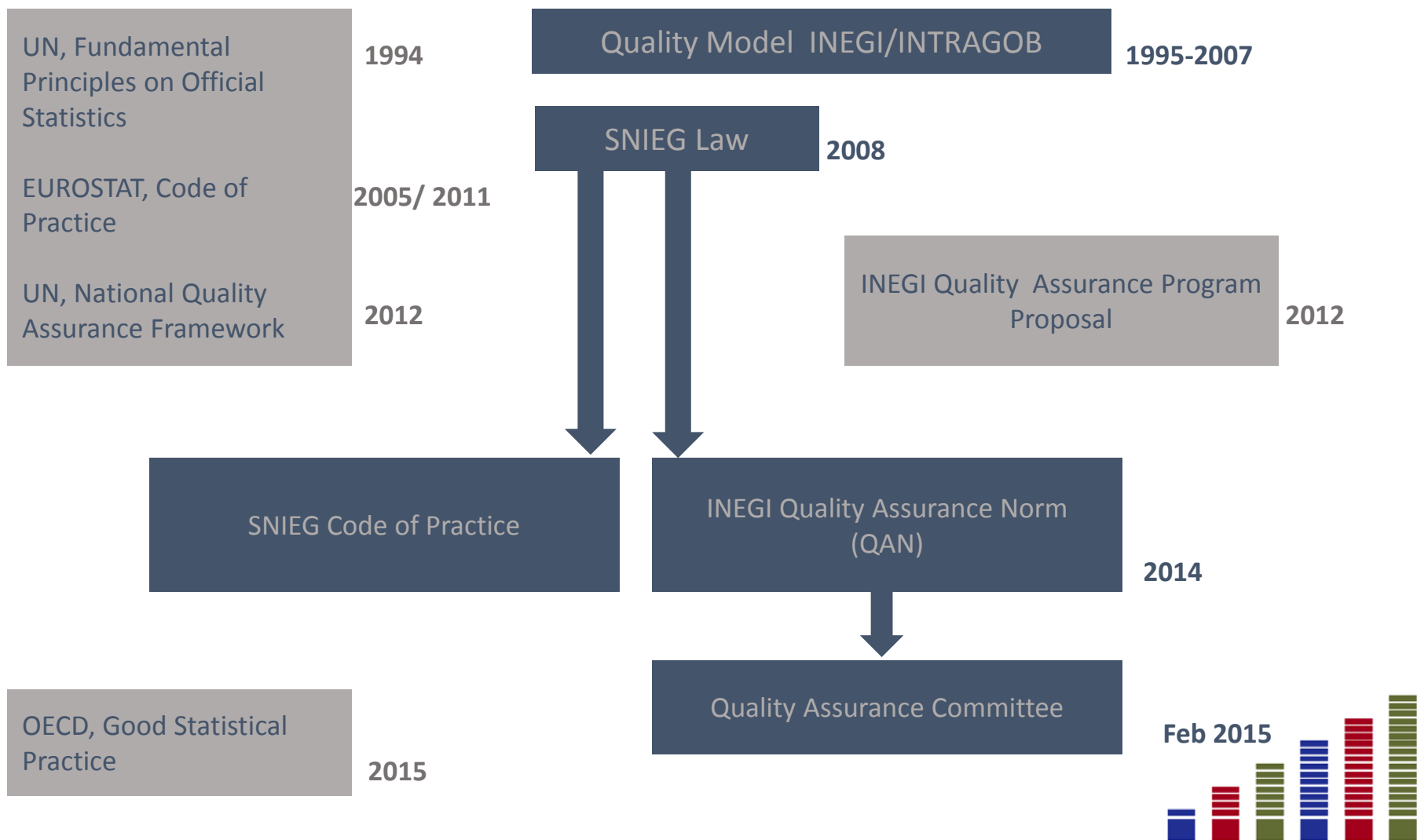
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INEGI
INSTITUTO NACIONAL DE ESTADÍSTICA Y GEOGRAFÍA

INE **Instituto Nacional de Estadística** **eurostat**

Madrid, May 31 - June 3

Content

I. Background

II. INEGI Quality Assurance Framework

III. Setting Priorities for Quality Assurance

IV. Moving forward

Background

UN, Fundamental Principles on Official Statistics — **1994**

EUROSTAT, Code of Practice — **2005/ 2011**

UN, National Quality Assurance Framework — **2012**

OECD, Good Statistical Practice — **2015**

Quality Model INEGI/INTRAGOB — **1995-2007**

SNIEG Law — **2008**

INEGI Quality Assurance Program Proposal — **2012**

SNIEG Code of Practice

INEGI Quality Assurance Norm (QAN) — **2014**

Quality Assurance Committee — **Feb 2015**

Organizational structure

QUALITY ASSURANCE COMMITTEE

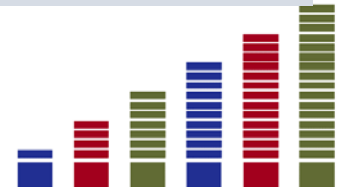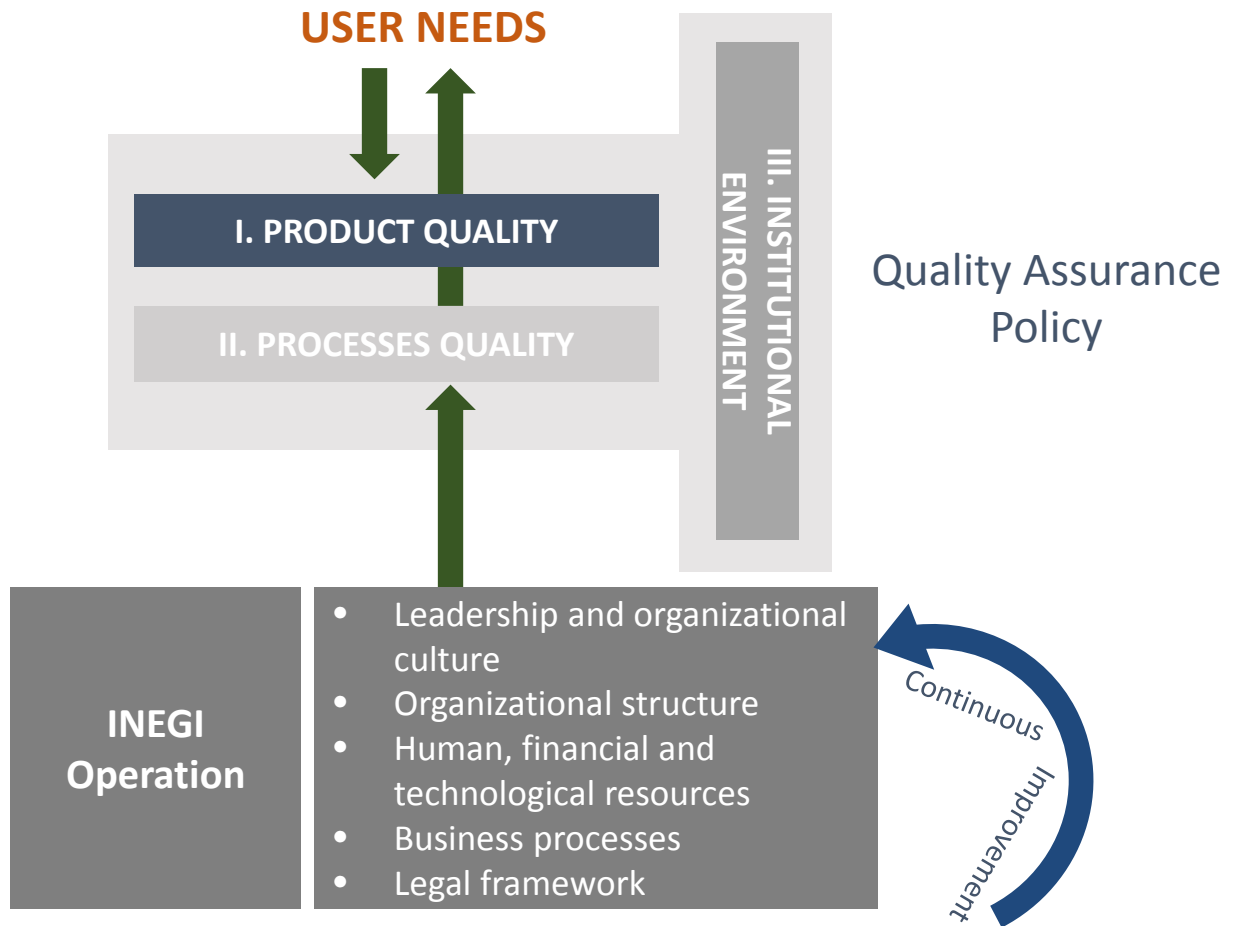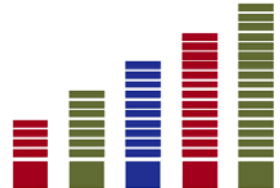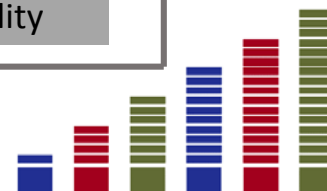|	
Board of Directors	• Overseeing the Annual Quality Plan results
Chairperson – INEGI President (Vice Chairperson – Board member)	• Defining the quality assurance policy and quality management system
Secretary – Compilation, Analysis and Research General Director	• Reviewing, analyzing and approving the Annual Quality Plan
Members – Central Units General Directors	• Approving quality assurance guidelines • Coordinating quality assessment, through reports, evaluations and indicators
Advisors – Chief Internal Auditor and Legal Affairs Deputy Director General	• Promoting a quality assurance culture, through technical advice and training
INEGI Units	• Implementing processes and control mechanisms for quality assurance

INEGI Quality Assurance Framework

INEGI Quality Principles

INFORMATION USERS

I. Products

Relevance	Timeliness and Punctuality	Standardized Metadata
Accessibility	Coherence and Comparability	Accuracy and Reliability

II. Processes

User Relationship	Sound Methodology	Non-excessive Burden on Respondents
Statistical and Geographical Standards	Adequate Implementation	Cost-effectiveness

III. Institutional Environment

- Objectivity
- Transparency
- Quality Commitment
- Adequacy of Resources
- National Statistical System Coordination
- Professional Independence
- Statistical Confidentiality

RESPONDENTS AND DATA PROVIDERS

Quality Management System: Check

- Quality Standards
- Documentation

Monitoring (systematic and generalized)	Evaluation (selective and strategic)

→ Annual Quality Plan

Quality indicators

- Self-assessment
- Peer reviews
- Audits
- Certification

Process Variables

Output Indicators

Quality Reports for Users

Quality Reports for Producers
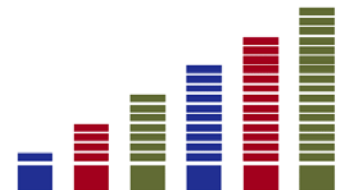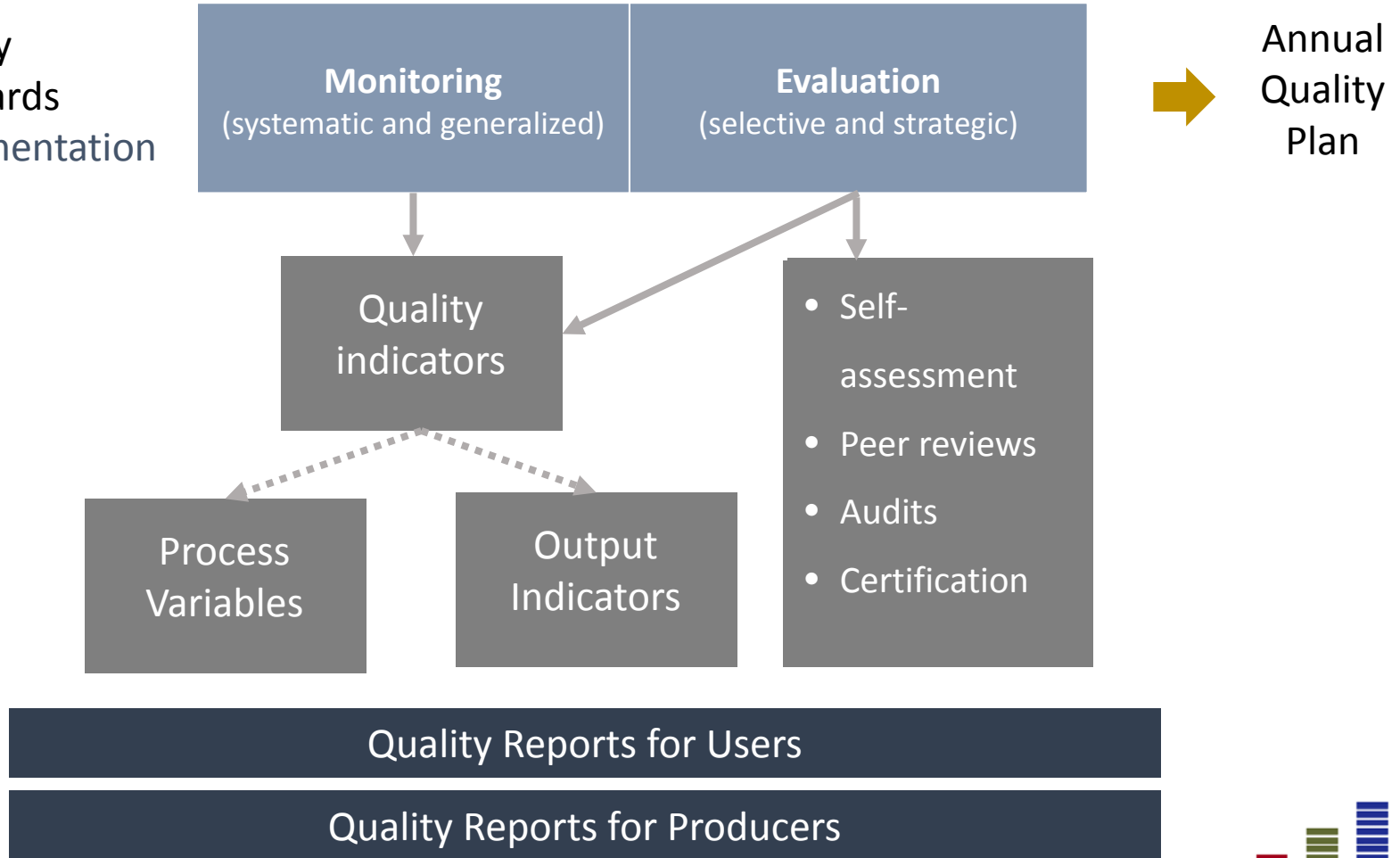
Setting priorities

- Tailor-made self-assessment tools following the UN National Quality Assurance Framework were applied across INEGI

  - Program-level diagnostic matrix for information production

  - Questionnaires for information dissemination and statistical system coordination

- **Quality Assurance Plan 2015-2016** specifies objectives, strategies and priority actions for achieving quality assurance medium-term goals

  - Two main objectives:

    I.   Implementing INEGI Quality Policy

    II. Developing a quality management system

  - Priority actions stemmed from areas for improvement identified through self-assessment

    - INEGI units selected program-level actions

    - Committee Secretariat proposed cross-cutting actions based on the pooled analysis of self-assessment results

Moving forward

- QAN initial implementation phase focused on defining INEGI quality assurance framework and planning next steps

- Quality policy systematic application and regular quality assessment are now at the center

- Some of the lessons learned for the next phase are:

  1. Strong leadership is fundamental

  2. Awareness campaign and targeted training activities are also critical

  3. Quality assessment should be considered as part of a broader monitoring and evaluation strategy

  4. Improvement actions may be more efficiently identified, implemented and verified when a generic statistical business process model is in place

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