



PLACE: UNITED NATIONS NY

THE MEXICAN SEEA, INSTITUTIONAL COOPERATION AND SOME PLANS

National Institute of Statistics and Geography- INEGI November 2012

Mexico is one of the 10 countries who has a major biodiversity



Due to: Geographical situation, reliefs, variety of weathers, it's geology, dry and wetlands, among others.



Mexico has many challenges to assess ecosystems, however, INEGI use its advantage in relation to the responsibility to produce the statistical and geographical information System.





Intersectoral Relationships

Law of statistical and geographical information

By Constitutional Mandate INEGI is an Autonomus institution

INEGI as a Coordinator of the System: Technical Committees on statistics and geography

Technical Council

Technical Sectoral Committes

Technical regional (States) Committes

Participation and consultation

INEGI in the Role of Producer of the National Interest Statistics and Geography Information

SNA, Census, Prices, Geographical Information, among others.

National, Local and Sectoral Developed Plans

Statistical and Geographical Programs at 25 years, medium term and annualy

National System of Statistics and Geagrophy

SNA: Sistema Nacional del Agua.

LFTAIRG: Ley Federal de Transparencia y Acceso a la Información Pública Gubernamental.

LIEG: Ley de Información Estadística y Geográfica.



The 3 pillars

To adopt the conceptual framework and methodologies for developing and implement the Mexican SEEA, indicators to monitor the policies related to Natural Resources and Ecosystems

To encourage the participation of the national and local institutions in the planning, the decision-making and the sustainable management of the resources

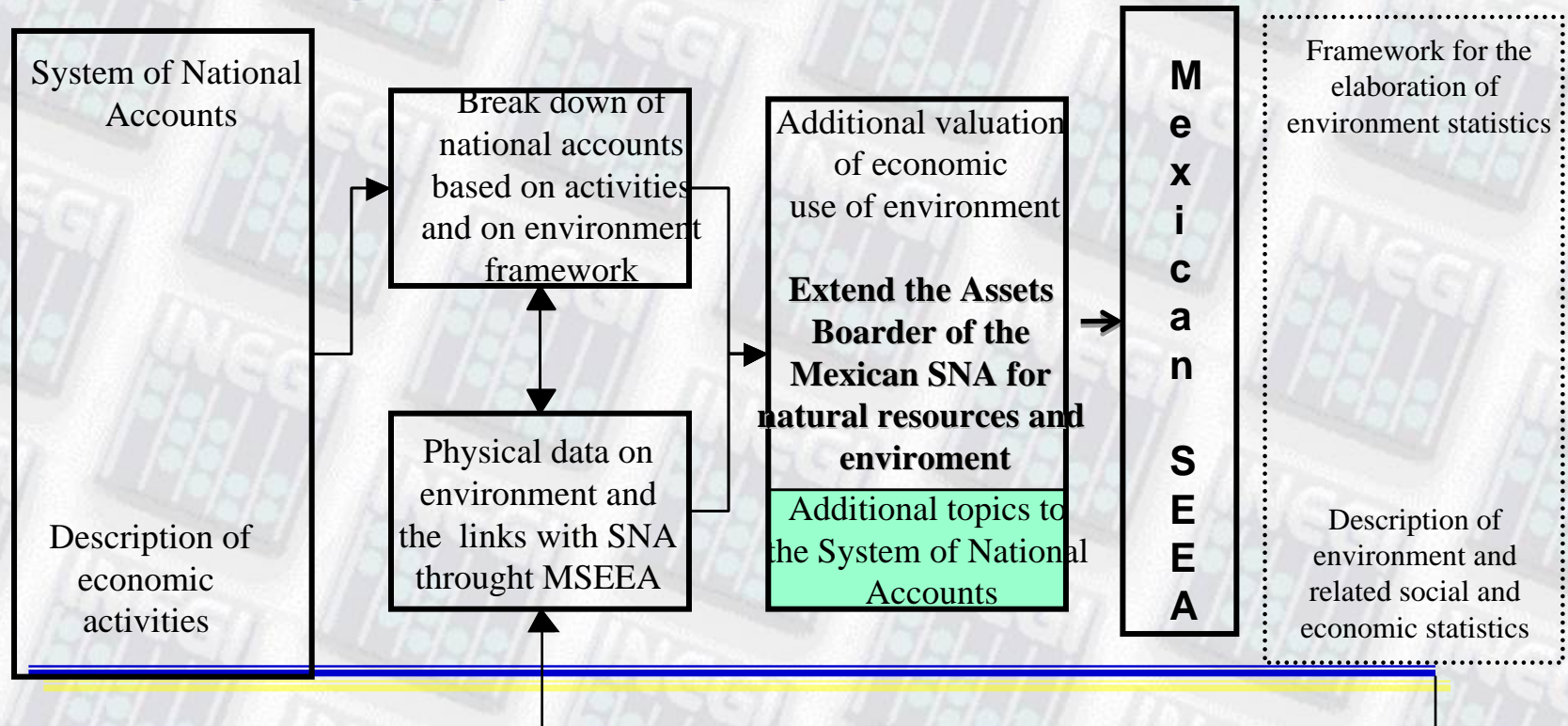
TO STENGTH THE
POLITICAL AND
INSTITUTIONAL TARGETS
FOR A BETTER NATIONAL
AND LOCAL INTEGRATION
OF ALL NATURAL
RESOURCES AND MICRO
OR MACRO ECOSYSTEMS
FOR SUSTAINABILITY

To establish the institutional arrangements among scientific, academy and government sectors for a continue evaluation of trends on a variety of resources at national level

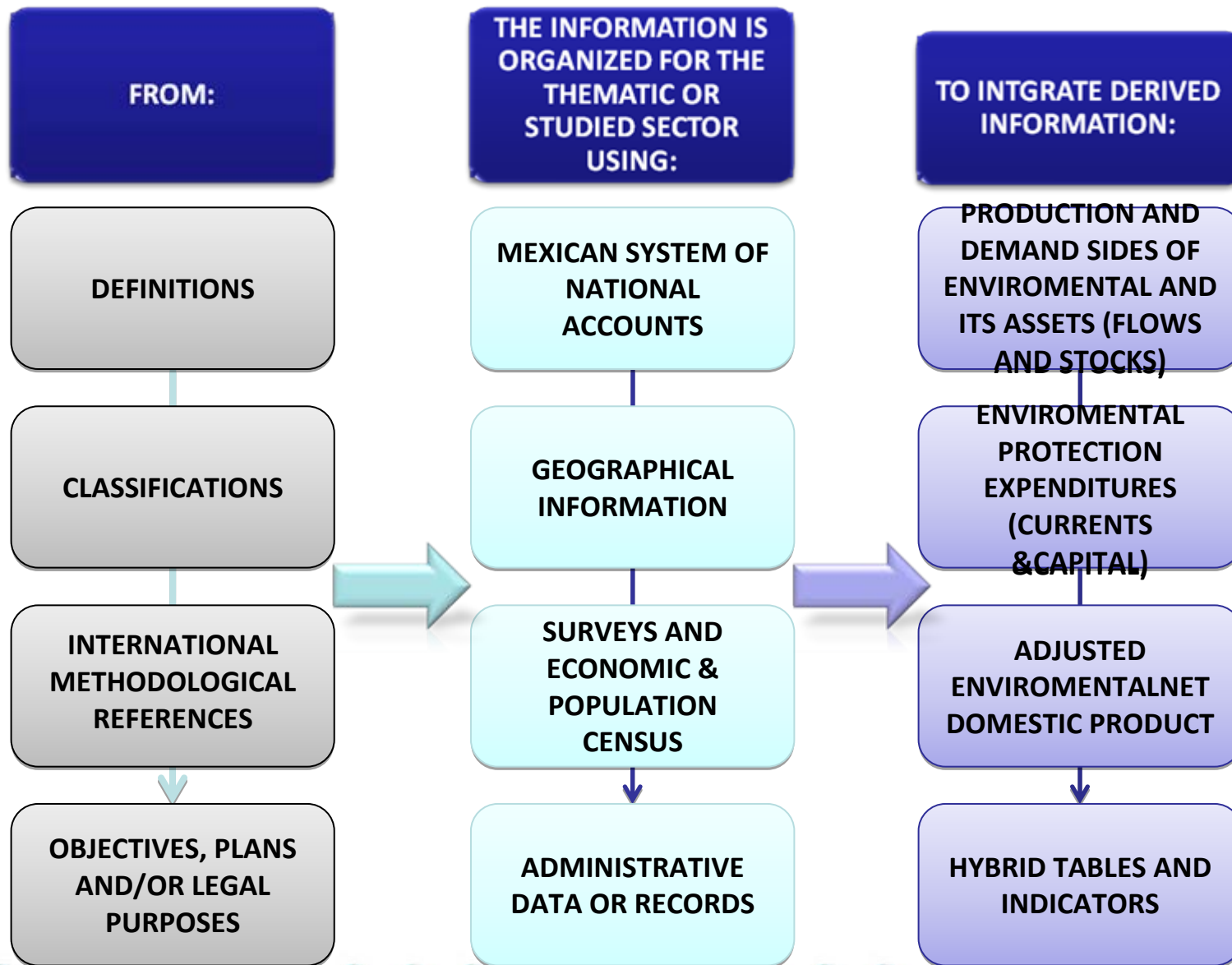


Environment Statistics: The Ecological accounts

System of Economic and Ecological Accounts, Mexico (MSEEA), links the SNA of Mexico to environmental data, count with the technical and information support of SEMARNAT, CNA, CNF, PEMEX, INE, etc., and with the natural resources and geographical information of INEGI.



Process of the Satellite Accounts of Mexico: MSEEA



Importance of the Mexican SEEA

- Allows the relationships between economic activity and the depletion and degradation of the natural resources and the environment in physical and monetary terms.
- Contents useful information to evaluate the national programs as the “Development National Plan of Mexico”, the “Environmental Program”, “The National Strategy to Combat the Climate Change”, etc.



The concept of Net adjusted Environmental Domestic Product

Production

P

IC (-)

GDP

FCC (-)

NDP

Depletion Cost (Cag) (-)

Degradation Cost (Cdg)

ENDP (X - M) + Cp + Cg + Ake + Akanp

Expenditure - Demand



Opening and closing Assets :
Produced, Non produced and
Environmental and its flows

COVER OF MEXICAN SEEA

Quantify de depletion and degradation of the enviroment and the effect in the Net Domestic Product by activity and the Income as a result of the production process, distribution and consumption.



Depletion:

- Forest Resources and the changes of Land Use
- Underground Water
- Subsoil Assets (OIL and some minerals)

Degradation:

- Air (Primary emissions and CO₂)
- Water bodies (contamination of)
- Soil (erosion and contamination by municipal waste)

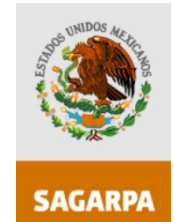
Balance of economic (produced & Non produced) and Enviromental Assets



Environment Statistics Sources: The Ecological accounts

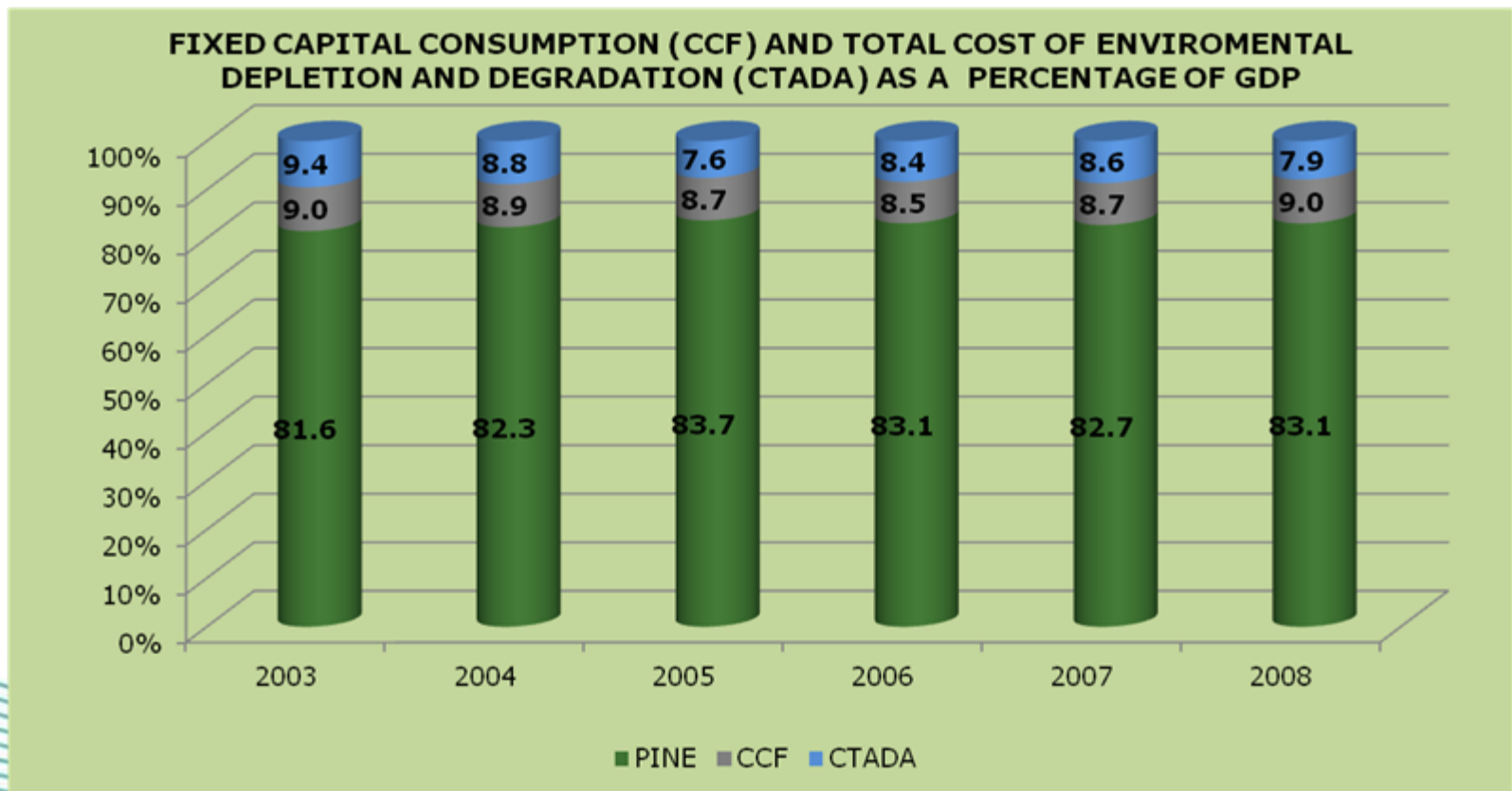
- Geographical Information System
- Annual Operation Card (COA) , Spanish acronym
- National Registry of Emissions and Transfer of Pollutants
- Census of Agriculture 2012
- Generation and final disposal of urban solid waste. Government's National Census
- Expenditures National Survey (ENGASTO, Spanish acronym)

Other Sources of Information



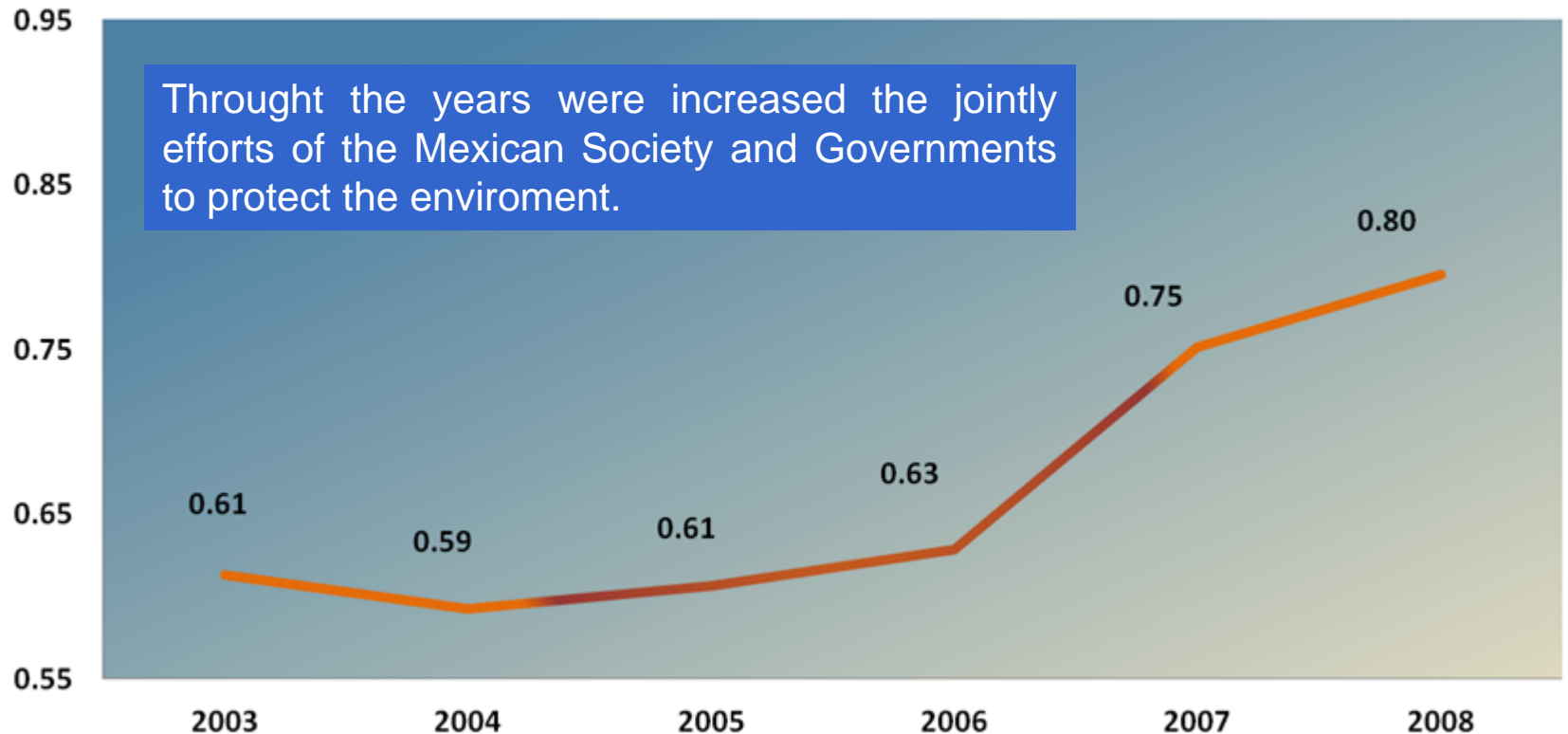
Main Results

The annual environmental cost in Mexico is 8.5% as a percentage of the total GDP.



Main Results

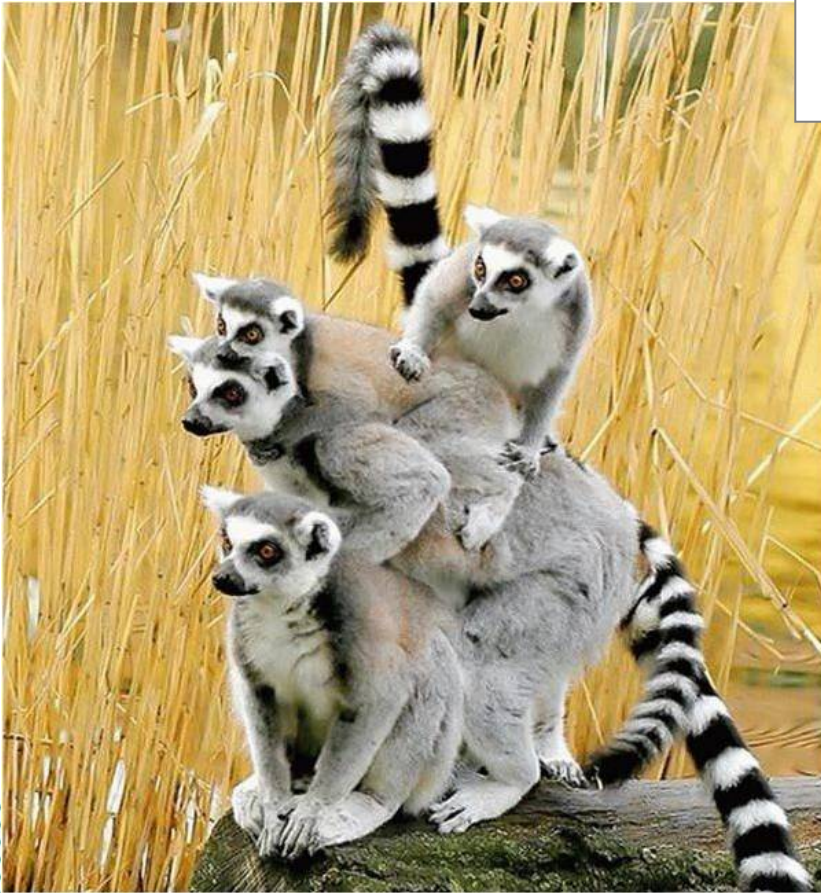
Enviromental Protection Expenditure as a proportion of the GDP (%)



Through the years were increased the jointly efforts of the Mexican Society and Governments to protect the enviroment.

SEEA-Mexico: background for the Mexican Ecosystems Information

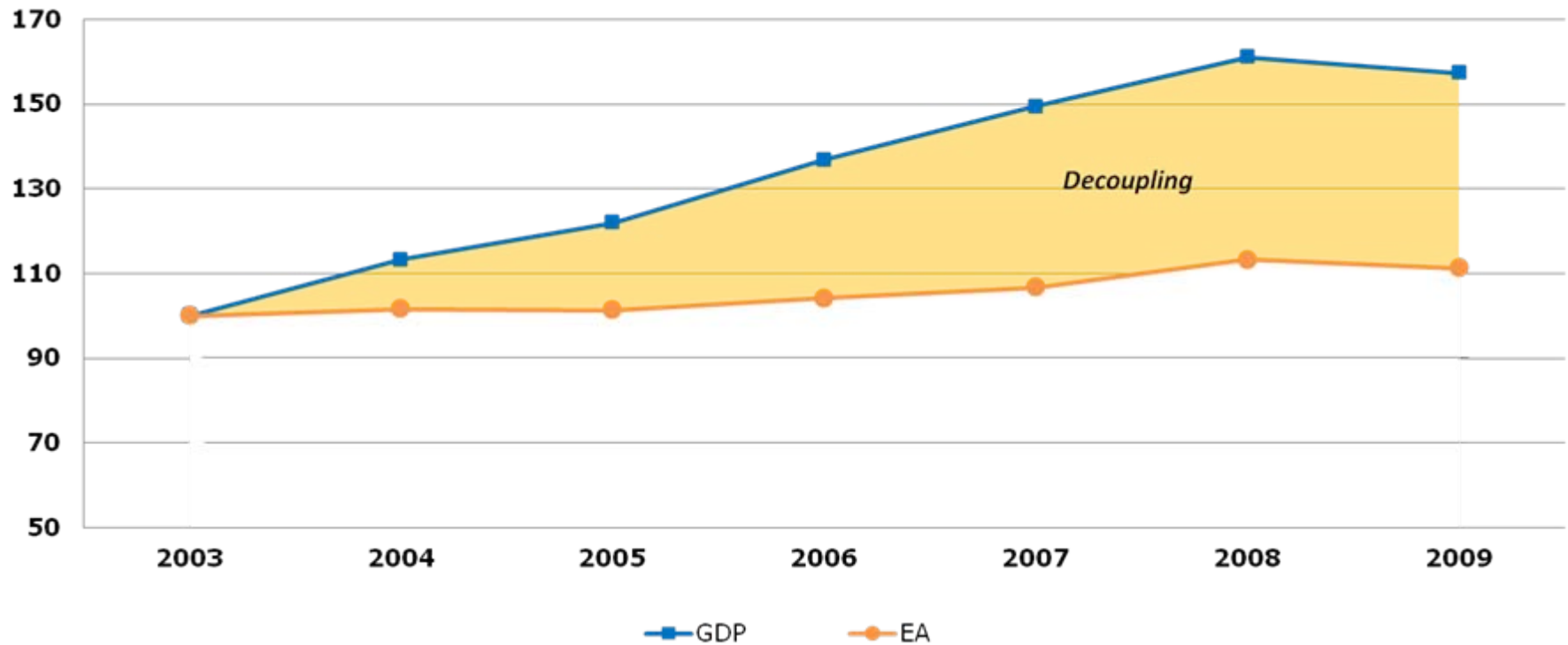
Future challenge: Extend and improve the environmental concerns
The results will be disseminated by exploiting synergies that result from the
“Economic and Ecological Accounts of Mexico ” (SEEA-Mexico) by INEGI



Implementation of new international statistical standards and recommendations:

- Fishery Accounts, SEEA Fishery, jointly INEGI-INP
- Water Accounts, SEEA Water, jointly INEGI-CONAGUA
- Forest Accounts, SEEA Forest, jointly INEGI-SEMARNAT-CONAFOR
- Material Flows Accounts, jointly INEGI-UNAM
- Green Growth Indicators, among others related to the well-being
- Hybrid tables and indicators

An example indicator: Gross Domestic Product and air emissions (EA). index



This function would represent the way in linking the production of goods and services with emissions to air, water and soil are the result of economic processes in the absence of clean technologies. The decoupling of these variables would represent the changes in production processes "dirty" either through the application of end-of-pipe technologies, reuse of waste, changes in production processes, reduced use of raw materials, and of course the changing tastes and preferences of consumers, among others.



- ✓ It is necessary to establish a glossary of terms inside the handbook, which will help to the better interaction between different disciplines that take part in the study.
- ✓ Seeing that the intention to conclude the elaboration of the handbook, and its eventual application, Mexico could be started its implementation at the end of the next year, just as workload allows (publication of the Mexican SEEA on February 6 -2003 base- and August 20 – with the new base 2008 and the implementation of the 2008 SNA)





Because we provide information for all!

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México counts with INEGI!

THANK YOU



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