

Strategy for GHG improvement - the way towards its implementation

Albania case

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Outline of the presentation

- GHG Inventory Improvement Strategy
 - Outline of the IIS
 - General assessment of the Albania's GHG Inv.
 - Institutional framework
 - Challenges
 - Objectives of the strategy
 - Timeline and scope of the strategy
 - Short term actions
 - Way towards long term implementation

Outline of the strategy

- Background and context
- Baseline situation of Albania's GHG inventory
- Challenges facing the inventory exercise Business-as-usual scenario for inventory quality
- Optimistic scenario for inventory quality
- Objectives of the strategy
- Short-term and Mid-term strategy
- Way towards implementation

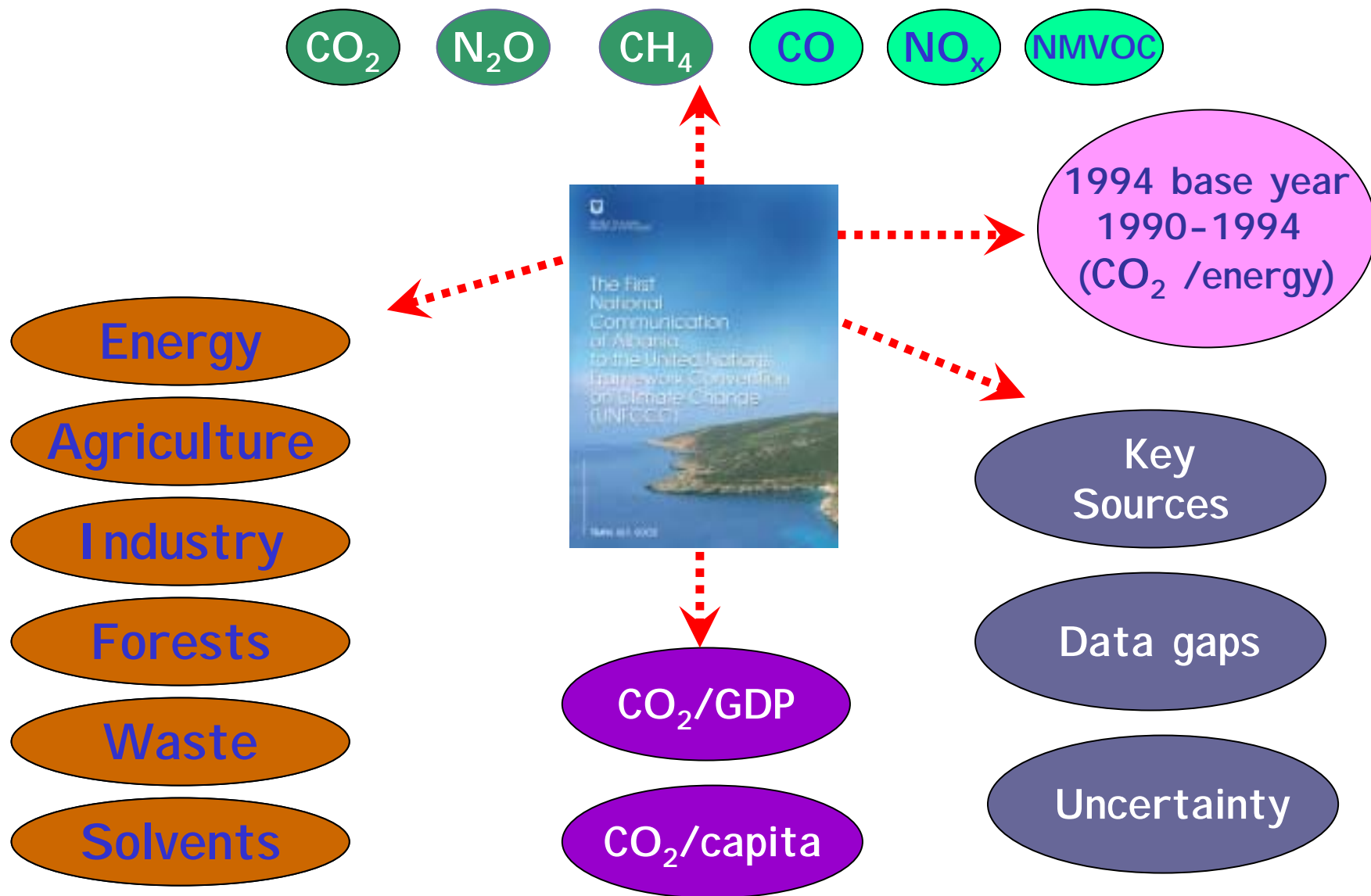
Background and context

- What is the GHG inventory
- Rationale for doing GHG inventory
- UNFCCC context,
- National context
- The nature of the GHG inventory
- Institutional arrangements

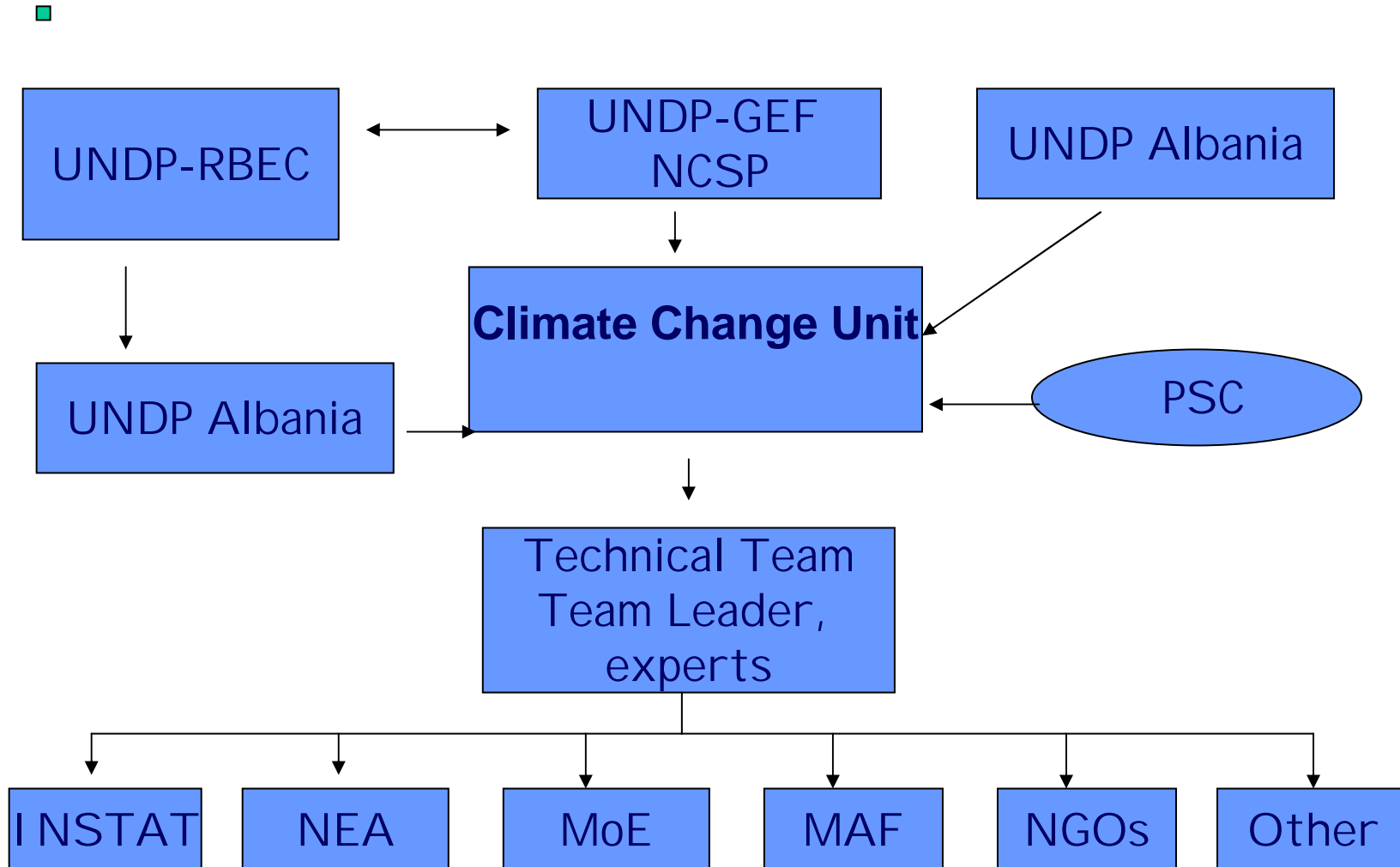
Baseline of GHG inventory

- Availability of GHG inventory
- Scope of inventory
 - Gases, sectors, Base year, time series
- Methodology
- Sources of data
- Quality indicators
 - Completeness, accuracy, transparency
- Main highlights from GHG inventory
- Key sources
- Uncertainty level
- Inventory system in Albania
- Ongoing projects related to GHG inventory

GHG inventory - the scope



Institutional structure



Challenges towards GHG inventory

- Technical
- Institutional
- Resources
- Public awareness (cross -cutting)

Challenges...(cont'd)

Technical

- Inconsistency or low level of disaggregation of AD to the IPCC format
 - transport, wood biomass burned for energy,...
- High variability of AD among '90s due to the transition phase
 - transport, fuel consumption in industry, agriculture
- Lack of data from the private activities
 - lime production, livestock breeding, biomass burned for energy
- Most of the IPCC default EFs do not reflect Albanian situation
 - Two cases of country specific EFs.
 - Wood stoves, Industrial boilers

Challenges...(cont')

Institutional

- Weak cooperation with national institutions for getting Activity Data
 - Mainly due to low level awareness
- Difficult to Getting Activity Data for free
- Weak/Lack of Legal framework for reporting obligations from
 - Relevant state institutions
 - Private sector

Resources

- Limited financial and human

Business-as-usual-scenario

- GHG inventory under SNC available for one year (2000)
- Quality of the GHG inventory under the SNC -the same as of that of I NC
 - Data gaps - likely the same as of I NC
 - Uncertainties of estimates - the same
 - No documentation in place
 - No archives of data, estimates etc
- GHG inventory team - spread out upon the completion of the I NC
- It might be needed to hire new experts and train from the beginning
- Low level of awareness (climate change / GHG inventory)

Optimistic scenario

- Higher quality of GHG inventory under SNC
 - Data collection and management improved
 - Data gaps reduced and filled
 - Uncertainties minimized
 - Documentation in place (manual and archive)
- Inventory available for more than one year
 - (1994-2000)
- GHG inventory team maintained, sustained, trained
- Number of inventory experts increased.
- Awareness on CC/GHG inv related issues raised

Assumptions made

- UNDP-GEF Regional Project on improvement of GHG inventory is available
- UNDP-GEF project on SNC is available
- Climate Change Unit established under the Ministry of Environment is the national authority responsible for GHG inventory preparation
- Albania will continue to have the status of non-Annex I

Objectives of the IIS

The **main objective** is to improve the quality of national GHG inventory in Albania

Related objective:

- Create a sustainable inventory preparation process
- Development of more accurate national strategies for GHG mitigation
 - Sectorial strategies CDM
- Raise awareness on CC issues

How to achieve the objectives

Through:

- Filling data gaps
- Reducing uncertainties,
- Documenting data and estimates
- Strengthening institutional capacity to prepare inventories and,
- Establishing a trained, sustainable inventory team
- Raising awareness / mainstreaming CC into national development agenda
- Mobilizing new resources that facilitate objective achievement (NCSA, Article 6 project, other...)

In the heart of the strategy stands the **key sources** approach which makes possible the improvement of the GHG inventory in cost-effective manner

Time -line and scope of IIS

- Short-term strategy: (2004-2006)
 - Regional project strategy
 - Collect new data when exist, develop methodology to fill data gaps when do not exist, document and archive, raise awareness.
- Mid-term Strategy: (2006 – 2009)
 - SNC /Second GHG inventory project strategy
 - Use new data and soft methodology to feed the inventory
 - Develop inventory for 1994-2000
 - Update documentation, raise awareness,
- Long-term strategy: beyond 2009
 - There are uncertainties related to the frequency of NCs from NAI Parties – should be a COP decision !?!?

Main actions under the short-term IIS

- Apply **key sources** approach
 - regional significance (obligatory)
 - national significance (non-obligatory)
- **Improve AD** rather than EFs
 - CO₂ -mobile combustion (11%)
 - CH₄ - solid waste treatment (4%)
 - CH₄ -from enteric fermentation (22%)
 - *CO₂ -fuel wood (21%)

} = 37%

} = 58%
- Test whether the **regionally improved EFs** are appropriate for national use (non-obligatory)
- Improve **legal framework** for data collection from energy sector
 - Law on energy efficiency and statistics
- **Collect and archive** data for years **other than 1994**
 - Develop time series 1994-2000, Data disaggregation

Way towards implementation

- **Mainstreaming** CC into national planning **NOW** helps the implementation of long-term strategy in the **FUTURE**
 - Energy efficiency law derived from NES will bring improved energy data
 - EU legislation approximation (environment part) will bring a formal NIS in place
 - Kyoto ratification will bring more data and resources to improve inventory
 - Synergy with other projects will help to raise awareness and /or access to new data

Thank you !