

# Capacity Building for Improving the Quality of GHG Inventories Europe /CIS Region



*Katarina Mareckova*  
*UNDP-GEF regional project manager*

*COP12, Nairobi, 8 November 2006*



# Content

---

- Background
  - Global context
  - Regional context
- Approach
  - Organization, immediate objectives
  - Regional Priority Areas
- Notable national achievements
  - Main outputs
- Lessons learned

# Global context – SNC NAI Parties

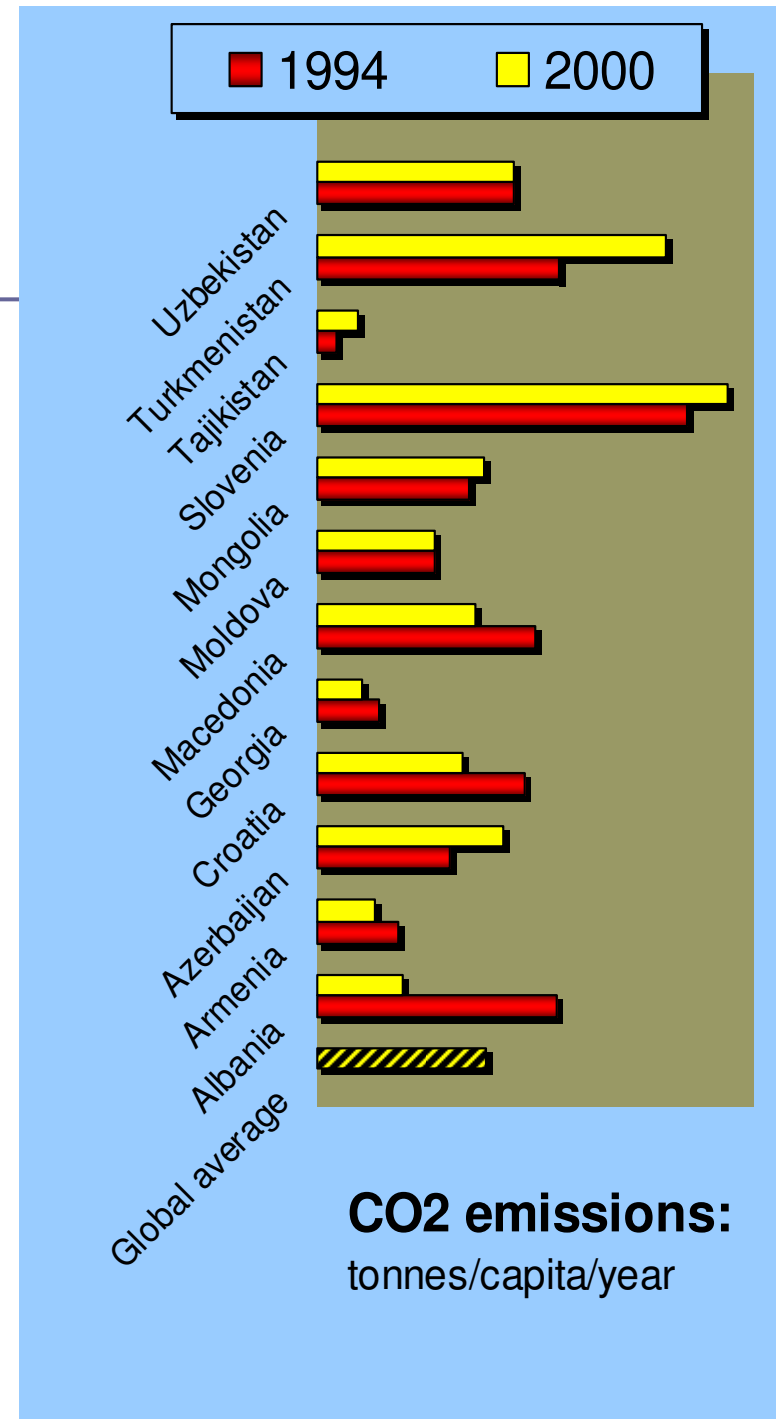
---

## UNFCCC Guidelines (Decision 17/CP.8)

- The overall objective of this project is to **strengthen the capacity of participating countries in the context of their commitments** as parties to the United Nations Framework Convention on Climate Change as envisaged by number of decisions (*10/CP.2, 11/CP.2, 2/CP.4, 10/CP.4, 10/CP.5, and articles 4.1(a)(b) and 12.1(a) of the Convention*)

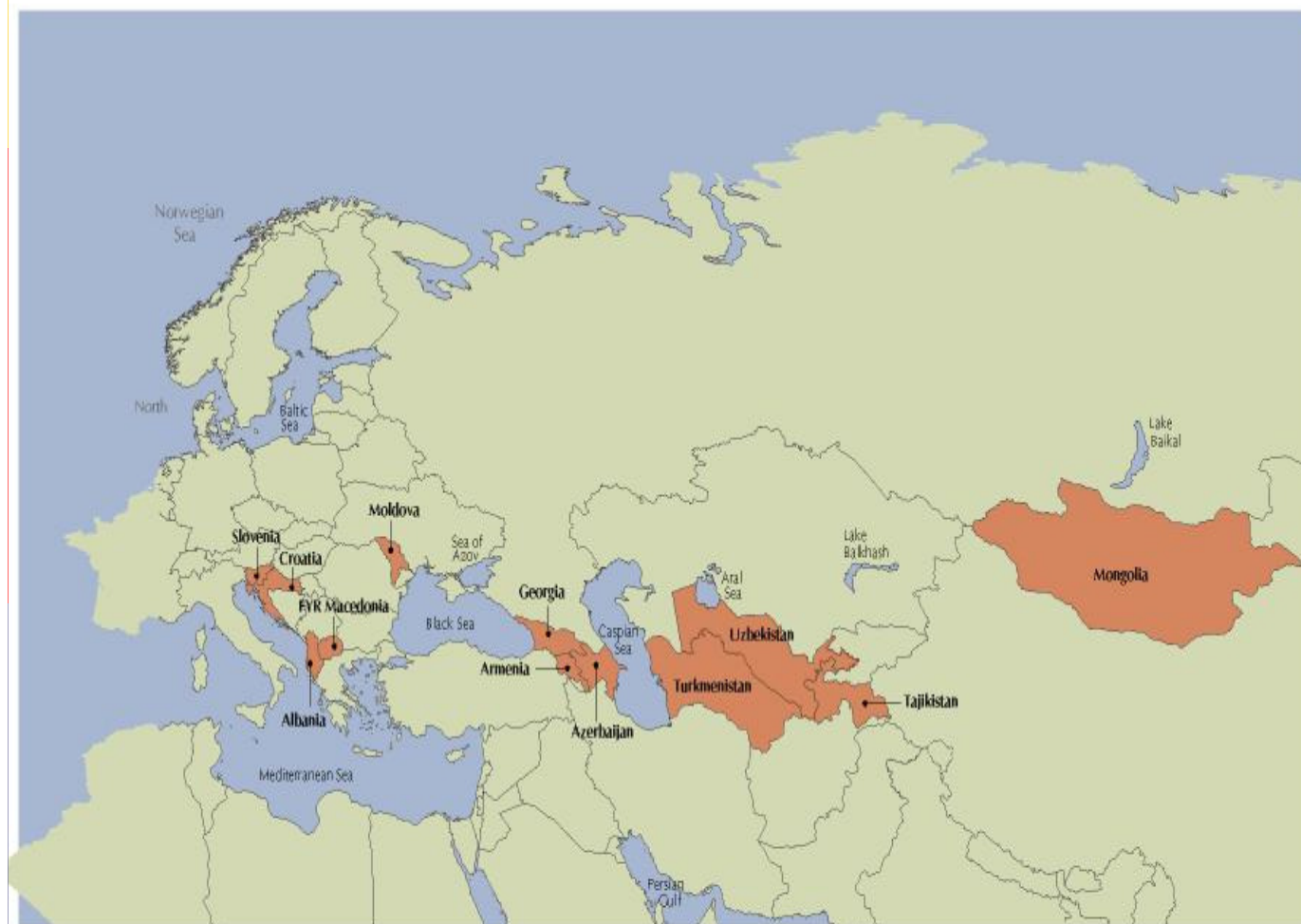
# Regional context

- emissions in region are **increasing** and uncertainties in GHG emissions are assessed as high
- low level of awareness by decision makers**
  - Missing long term strategies
  - Remaining problems with institutional arrangements
  - Limited resources and capacity
  - Communication barriers, data gaps





# 12 Participating countries



Albania  
Armenia  
Azerbaijan  
Croatia  
Georgia  
Macedonia  
Moldova  
Mongolia  
Slovenia  
Tajikistan  
Turkmenistan  
Uzbekistan



## 4 Main objectives

---

1. Strengthen institutional arrangements for compiling, archiving, updating and managing greenhouse gas inventories
2. **Create sustainable inventory processes**
3. Enhance technical capacity for preparing national inventories
4. Improve national methodologies and emission factors

# Key factors for sustainable National Inventory Systems

---

- Flexible and innovative approaches when dealing with data gaps or given methodologies
- Continuity of trained staff at country level (-> link to SNC)
- Focus not only on technical assistance but also on institutional arrangements, managerial and planning tasks
- Sharing experience - Sub-regional workshops as multipurpose vehicles
- Documentation and archiving as a basis for sustainable inventory process and for exchange between similar countries

# *Key products*

---

- ***(long-short) term inventory improvement strategy***
- ***national manuals of procedures describing national inventory system in national language,***
- ***QA/QC plan***
- ***Selected national inventory report chapters [for **project key sources**]***
- ***Stakeholder awareness raising strategy elaborated/implemented***
- ***There were 5 more outputs defined***



# Approach

---

- Identification of national objectives and priorities - **prioritization (4 key sources, documentation)**
- Development of detailed national **workplans**; harmonization of schedule,
- Training of regional experts (workshops, inventory review, reports, involvement as trainers...)
- **Development of regional networking – sharing knowledge and lessons learned**
- **Developing inventory system step by step**
  - gradual improvement of inventory management
  - development of national procedures is iterative process
- No duplication with other projects, complementary approach  
(1NC->top-up ->regional project ->SNC)

# Support provided to the countries

---



- On line assistance (managerial, technical,...)
- Organization of 6 training workshops, interactive sessions
- Development and distribution of training materials (e.g. templates, examples,...)
- Providing regional website including database of regional inventory experts
- Feedback (Revision of countries' products)
- Development of awareness strategy and materials
- (Peer) review round of national inventories



# Notable national achievements

(main objectives 1 &2)

---

- 12 National **manuals** of (inventory ) procedures compiled
- Data collection improved, **data gaps filled**, time series presented in all countries
- Regional Key sources **documented and archived** (EFs AD, methods, rationale behind)
- **Voluntary regional review** round completed
- 12 National long term inventory improvement **strategy** developed
- **Awareness raising** strategy developed
- Developed contacts to Annex 1 and international organisation

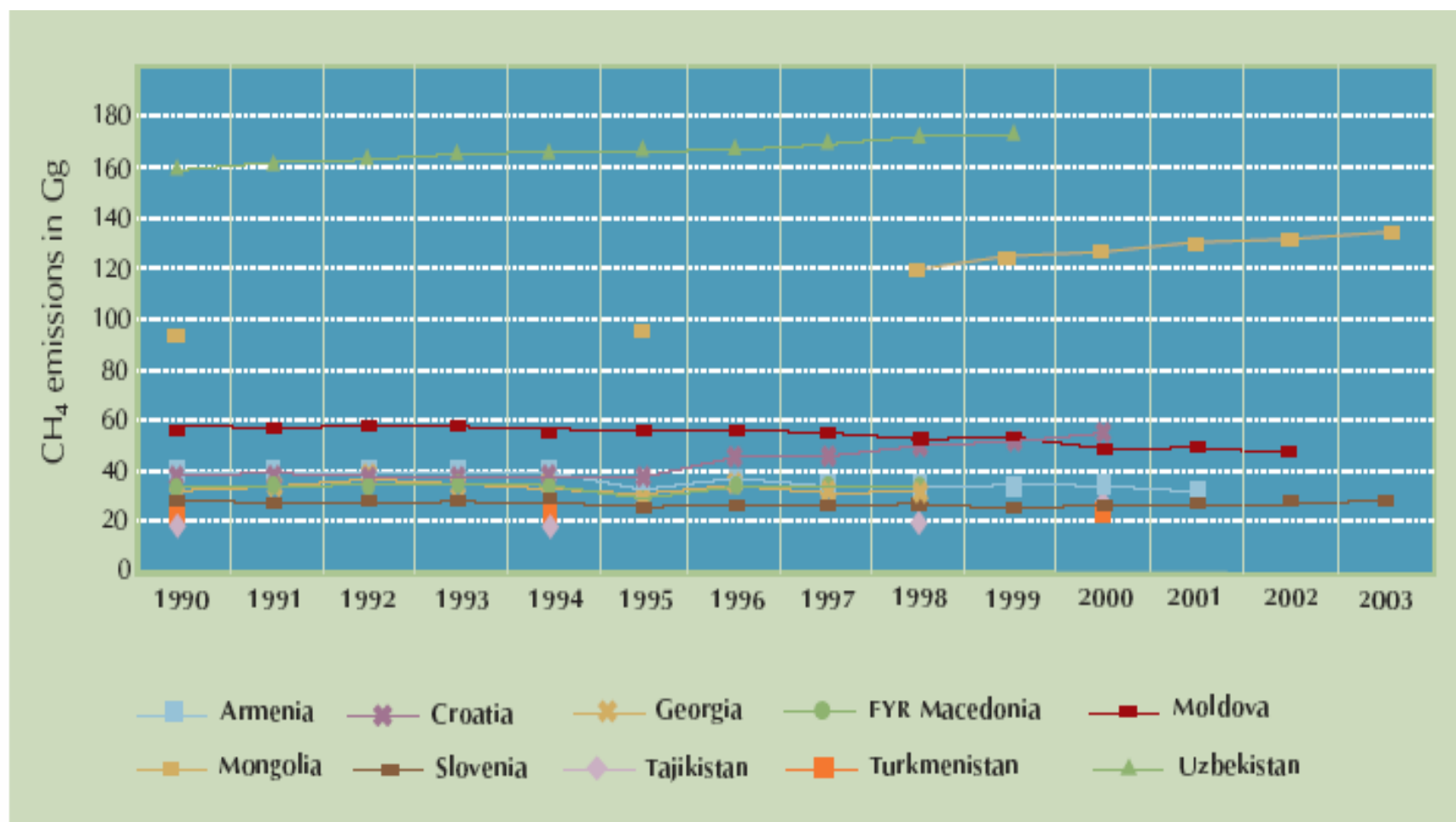
# Notable national achievements

(main objectives 3&4)



- ❑ Six regional workshops held, more than 80 experts trained
- ❑ 12 National **QA/QC plans developed** (and partly implemented )
- ❑ **Methods** for estimating emission and emission factors **improved**
- ❑ reliability of emission factors increased, uncertainties of key source emissions reduced

# MSW treatment - time series of CH<sub>4</sub> emission



# Project Highlights

---



- All national inventory teams increased their technical capacity
- All countries could improved data collection
- Countries demonstrated how to put in place inventory teams within short timeframe
- All countries compiled time series for selected key sources
- The establishment of documentation and archiving systems will help to reduce costs when next inventory compilation
- Implementation of GP elements has provided a strategic approach to improving the inventory quality

# Lessons learned



- Documentation and archiving is time and labour intensive but critical for sustainability of inventory system
- Implementation of IPCC good practice elements helps to increase reliability of inventories
- Developing inventory strategy is important for **prioritisation** and resources management
- Regular communication with policy makers and data providers (awareness-multiple benefits of inventory) is inevitable for ensuring the inventory team will be supported
- Regional approach proved extremely efficient, regional workshops are one of the best mechanism for sharing information and results
- Developing and implementation of QA/QC plans improved trustfulness and robustness of inventories

