



Република Србија  
МИНИСТАРСТВО ПОЉОПРИВРЕДЕ  
И ЗАШТИТЕ ЖИВОТНЕ СРЕДИНЕ



DEVELOPMENT OF CLIMATE  
CHANGE MONITORING,  
REPORTING AND VERIFICATION  
(MRV) SYSTEM

## ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA

30 OCTOBER 2020

# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



- Paris Agreement and EU acquis requirements in strengthening the global response to the climate change, by keeping a global temperature rise well below 2°C above pre-industrial level
- Monitoring, reporting and verification of emission reduction targets, as well as impacts of policies and measures to reach those
- UNFCCC – MRV – Decisions 2/CP.17 and 21/CP.19
- Paris Agreement – Decision 18/CMA.1 on MPGs, as per Art. 13 of PA
- EU Regulations 525/2013, 749/2014, 666/2014
- EU Governance 2018/1999, EU Implementation Regulation (EU) 2018/1999
- new draft Climate Change Law (proposal for up to 55%)

# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



## UMBWELTBUNDESAMT

### AUSTRIAN ENVIRONMENT AGENCY

- As Austria's most important environmental expert institution and one of Europe's leading environmental consultants we stand for a transformation of the economy and society to ensure sustainable living.
- Our experts provide the basis for decision making at local, regional and international level.
- We are committed to transparency and impartiality in our work and we engage in dialogue with politics, administration, business, science and civil society



# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



## Facts & Figures

- **founded in 1985** under the Environmental Control Act
- since **1999** under the legal status of a **Limited Liability Company**
- more than **600 employees**
- more than **50 Mio.€ turnover**
- experience in more than **60 countries**
- partner in numerous **networks**



# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



## Services:

- providing the basis for decision making and implementation of sustainable strategies and measures
- recommendations for decision-makers in politics, administration and business in Austria, the EU and international
- development of scenarios
- providing quality assured data incl. monitoring, management and assessment

[www.umweltbundesamt.at/en/services/](http://www.umweltbundesamt.at/en/services/)



# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



## Expert Team:

- MRV Expert / Team Leader Mrs. Traute KÖTHER
- GHG Inventory QA/QC Expert Mrs. Elisabeth KAMPEL
- Climate Change Policy Expert Mrs. Ivana MIJATOVIC
- Software Architect / Senior SW-Developer Mr. Robert WANKMÜLLER
- Software Tester Mr. Alfred STUPPNIG
- Climate Change Adaptation Expert Mrs. Danijela BOZANIC

# ESTABLISHING TRANSPARENCY FRAMEWORK FOR THE REPUBLIC OF SERBIA



## Project will focus on:

- Task 1: Detailed assessment of current national policy and regulatory frameworks in the climate change field
- Task 2: Revision of NDC
- Task 3: Development of Conceptual Framework for Monitoring, Reporting and Verification (MRV) at the national level
- Task 4: IT system for MRV and Capacity-building activities

# DELIVERABLES AND DEADLINES I



	Deliverables	Deadlines
1	Comprehensive report on current national policy and institutional frameworks in the climate change field	07 October 2020
2	Comprehensive document of revised NDCs for Serbia	9 November 2020
3	Proposal of MRV Conceptual framework	30 November 2020
4	Design of IT tool (including web platform) for MRV system	15 December 2020
5	<ul style="list-style-type: none"> <li>Initial construction, testing and deployment of IT Tool</li> <li>Initial development and seeding of developed MRV system, including a clear and concise administrator manual) (Development of the initial system and seeding with relevant existing information in collaboration with UNDP and national experts' support).</li> </ul>	5 April 2021



## DELIVERABLES AND DEADLINES II



	Deliverables	Deadlines
6	<ul style="list-style-type: none"> <li>Methodologies, procedures, guidelines and training programme</li> <li>The content providers manual, Methodologies, procedures, guidelines and self-studying materials, including for national content experts across all adaptation and mitigation themes, for the Enhanced Transparency Framework and Serbia's domestic MRV system content maintenance</li> </ul>	5 May 2021
7	Fully functional and developed IT tool for MRV system	1 October 2021
8	At least six capacity building/awareness raising events including all listed training modules with determined content conducted	1 December 2021

## DELIVERABLES AND DEADLINES III



	Deliverables	Deadlines
9	<ul style="list-style-type: none"> <li>• Warranty, maintenance and support</li> <li>• 2 years warranty provided.</li> <li>• The system maintained for 2 years from the moment the system enters into operational use by the end user.</li> <li>• The final requirements specification, the final design specification, the final source code (with other application resources), the final deployment artifacts, and the final user's and system administrator's manuals</li> <li>• Help desk established. The end user's staff supported for 2 years from the moment the system enters into operational use by the end user.</li> </ul>	<p>2 years from coming into operational use of MRV IT tool (including web platform), but not later than 1 December 2023</p>

# TASK 1: DETAILED ASSESSMENT OF CURRENT NATIONAL POLICY AND REGULATORY FRAMEWORKS IN THE CLIMATE CHANGE FIELD



- Basis for establishment of MRV in Serbia - Draft Climate Change Law and Draft Climate Change Strategy with Action Plan
- Role of Environment Agency
- Role of Environment Ministry
- Role of other stakeholders, their legislation and policy
- Key findings
- *This is now with the Ministry*

## TASK 2: REVISION OF NDC



- Paris Agreement, Art. 13 on Enhanced Transparency Framework, Decision 18/CMA.1
- Based on draft Climate Change Strategy and the emission reduction scenarios carried out during its preparation
- Based on 2<sup>nd</sup> BUR and 3<sup>rd</sup> National Communication
- Climate Change Mitigation (CCM) and Climate Change Adaptation part
- Revision to focus on the following elements:
  - a) alignment with Decision 18/CMA.1 requirements
  - b) addressing/including gender and climate
  - c) addressing/including nature-based solutions, just transition, short-lived climate pollutants

## TASK 3: DEVELOPMENT OF CONCEPTUAL FRAMEWORK FOR MONITORING, REPORTING AND VERIFICATION (MRV) AT THE NATIONAL LEVEL



- To evaluate possibilities and develop a list of performance indicators that will ensure monitoring and reporting of CCM, CCA and NDCs
- Development of input and output templates for CCA, CCM and NDCs reporting
- To propose Governance structure for the suggested MRV framework
- Ensure QA/QC of the GHG Inventory in parallel to the development and operationalization of the MRV system
- To develop IT tool (including web platform) for MRV system at national level with recommendations on how to effectively include business sector and local self-governments, and other relevant national and scientific institutions

## CHAPTERS OF THE MODALITIES, PROCEDURES AND GUIDELINES (MPGS) CONTAINED IN THE ANNEX TO DECISION 18/CMA.1



**Chapter I**  
Introduction

**Chapter II**  
**National inventory report** of anthropogenic emissions by sources and removals by sinks of GHG

**Chapter III**  
Information necessary to **track progress** made in implementing and achieving **nationally determined contributions** under Article 4 of the PA

**Chapter IV**  
Information related to **climate change impacts and adaptation** under Article 7 of the PA

*Modalities, procedures and guidelines (MPGs) for the enhanced transparency framework (ETF) for action and support referred to in Article 13 of the Paris Agreement (decision 18/CMA.1 and its annex)*

**Chapter V**  
Information on financial, technology development and transfer and capacity-building **support provided and mobilized** under Articles 9–11 of the PA

**Chapter VI**  
Information on financial, technology development and transfer and capacity-building **support needed and received** under Art. 9–11 of the PA

**Chapter VII**  
Technical expert **review**

**Chapter VIII**  
Facilitative, multilateral **consideration of progress**

# COMPARISON OF REPORTING OBLIGATIONS



	<p><b>Modalities, procedures and guidelines (MPGs) for the enhanced transparency framework (ETF) for action and support referred to in Article 13 of the PA</b></p>	<p><b>Implementing regulation (EU) 2020/1208 pursuant to Governance of the Energy Union and Climate Action (EU Regulation 2018/1999)</b></p>	<p><b>Law on Climate Change (draft)</b></p>
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# COMPARISON OF REPORTING OBLIGATIONS



	<b>Modalities, procedures and guidelines (MPGs)</b>	<b>Implementing regulation (EU) 2020/1208</b>	<b>Law on Climate Change</b>
Chapter	II. National inventory report of anthropogenic emissions by sources and removals by sinks of GHG	III. Reporting by MS on approximated GHG inventories, GHG as inventories and accounted GHG emissions and removals  IV. Requirements on the establishment, operation and functioning of national inventory systems	V. System for monitoring and reporting on national GHG emissions



# COMPARISON OF REPORTING OBLIGATIONS



	<b>Modalities, procedures and guidelines (MPGs)</b>	<b>Implementing regulation (EU) 2020/1208</b>	<b>Law on Climate Change</b>
Chapter	III. Information necessary to track progress made in implementing and achieving nationally determined contributions (NDC) under Article 4 of the Paris Agreement	VI. Policies and measures and projections	<p>III. <i>Policies and measures for the limitation of GHG emissions by sources</i></p> <p>VI. Projections of GHG emissions by sources and removals by sinks</p> <p>VII. System for reporting on policies, measures and GHG projections</p>

# COMPARISON OF REPORTING OBLIGATIONS



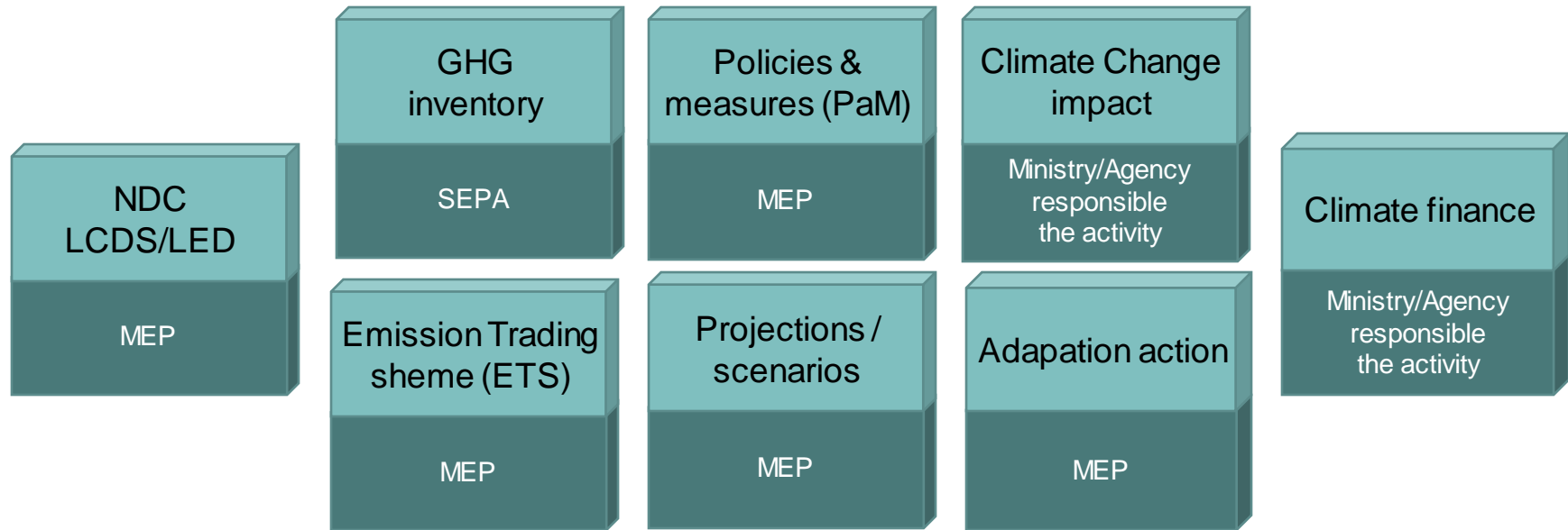
	<b>Modalities, procedures and guidelines (MPGs)</b>	<b>Implementing regulation (EU) 2020/1208</b>	<b>Law on Climate Change</b>
Chapter	IV. Information related to climate change impacts and adaptation under Article 7 of the Paris Agreement	II. Reporting by member states on national adaptation actions, auctioning revenues and support to developing countries	<i>II. Public policy documents Article 13 Concept Policy on Climate Change Adaptation</i>
Chapter	V. Information on financial, technology development and transfer and capacity-building support provided and mobilized under Articles 9–11 of the PA		

# COMPARISON OF REPORTING OBLIGATIONS

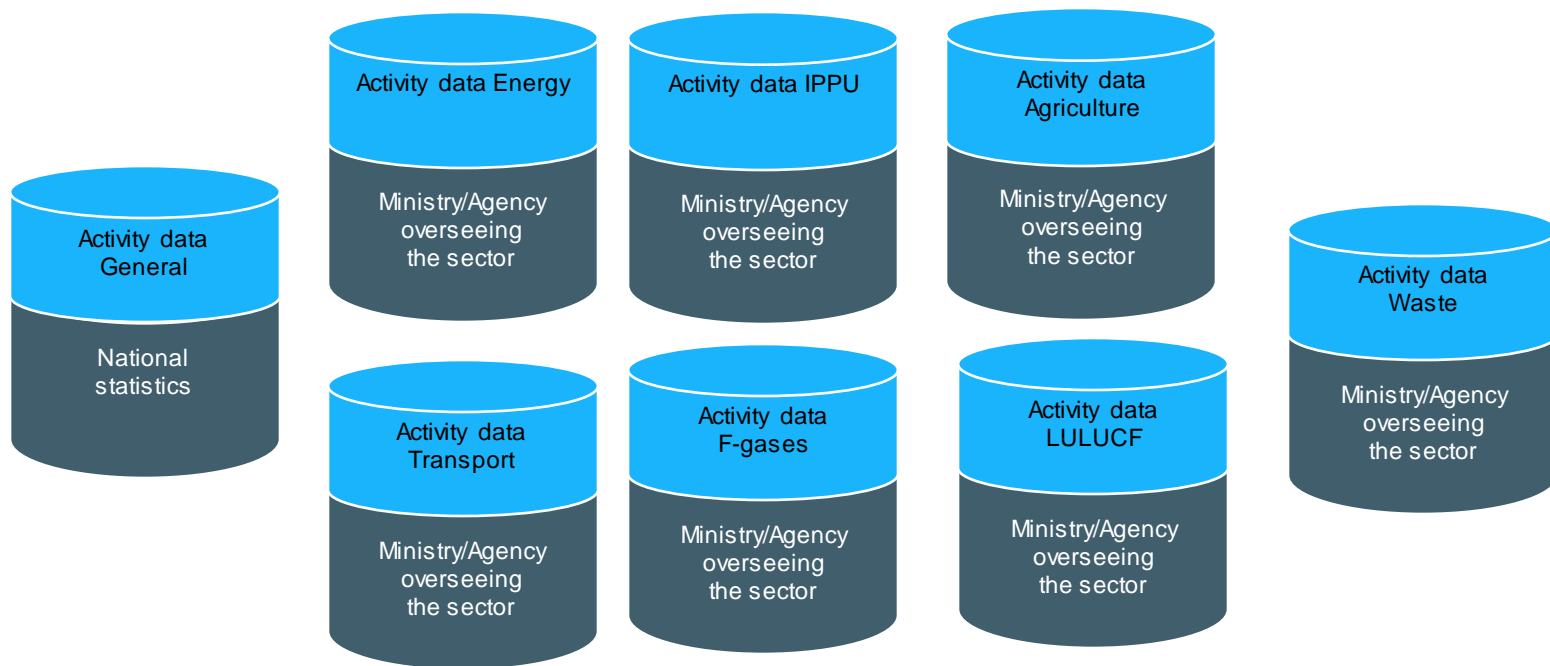


	<b>Modalities, procedures and guidelines (MPGs)</b>	<b>Implementing regulation (EU) 2020/1208</b>	<b>Law on Climate Change</b>
Chapter	VI. Information on financial, technology development and transfer and capacity-building support needed and received under Articles 9–11 of the PA		
Chapter	VII. Technical expert review	V. Procedure and schedule for carrying out the comprehensive review	
Chapter	VIII. Facilitative, multilateral consideration of progress		

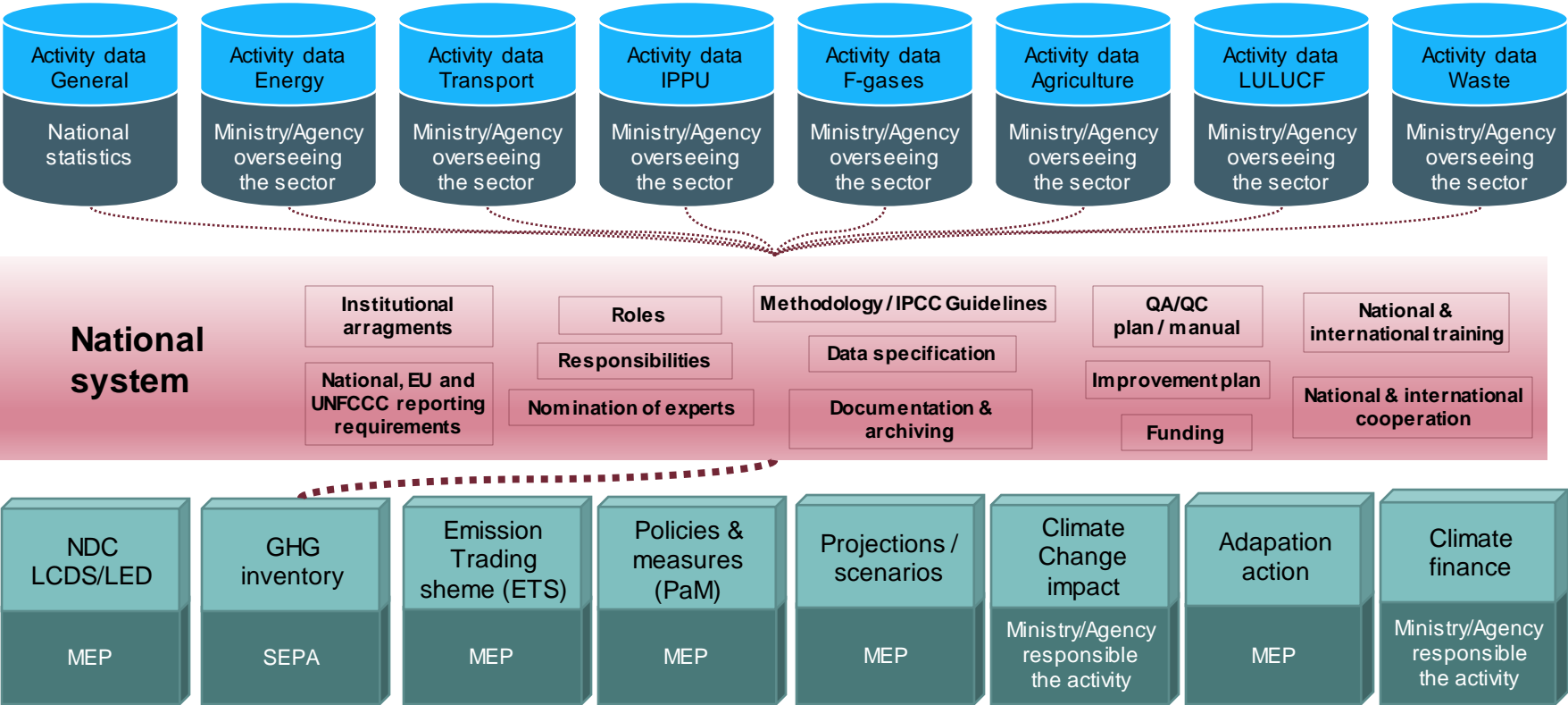
# Elements of the Framework for Monitoring, Reporting and Verification (MRV) at the national level



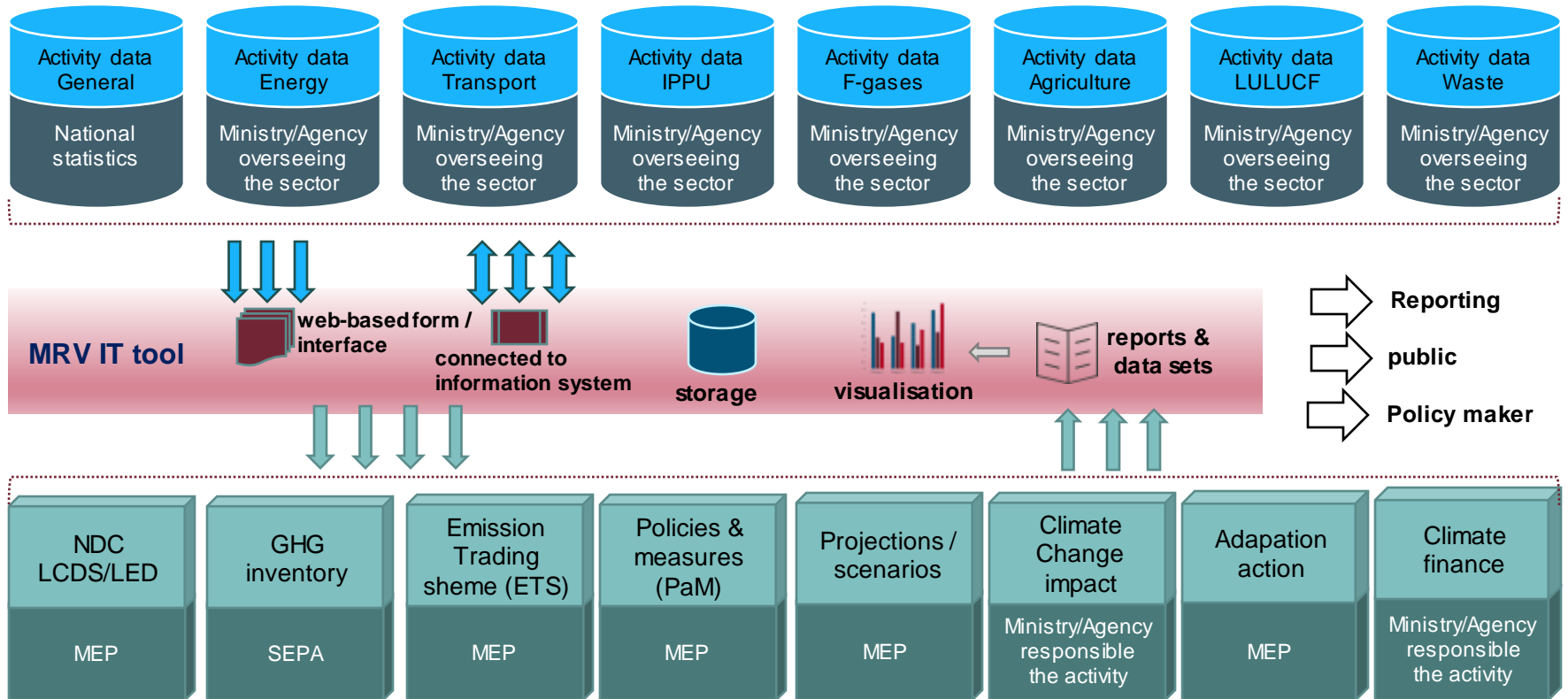
# Elements of the Framework for Monitoring, Reporting and Verification (MRV) at the national level



# Draft Conceptual Framework for Monitoring, Reporting and Verification (MRV) at the national level



## Draft Conceptual Framework for Monitoring, Reporting and Verification (MRV) at the national level



# TASK 3: DEVELOPMENT OF CONCEPTUAL FRAMEWORK FOR MONITORING, REPORTING AND VERIFICATION (MRV) AT THE NATIONAL LEVEL



IT tool should provide:

- Support and flexibility for users to structure and manage its contents. The system needs to support the linking of a range of different thematic data types, including but not exclusively:
  - Climate challenges faced (related to both CCM and CCA)
  - Climate actions/responses,
  - Co-benefits of actions,
  - A range of indicators



# TASK 3: DEVELOPMENT OF CONCEPTUAL FRAMEWORK FOR MONITORING, REPORTING AND VERIFICATION (MRV) AT THE NATIONAL LEVEL



IT tool should provide:

- Version history, change tracking, alerts, auditing and QA/QC tools and record sign off workflows
- Flexibility to develop user friendly interfaces for different stakeholder groups to enable them to provide contents at different levels of detail and phases in their content development process, with as little additional administrative burden as possible

# TASK 3: DEVELOPMENT OF CONCEPTUAL FRAMEWORK FOR MONITORING, REPORTING AND VERIFICATION (MRV) AT THE NATIONAL LEVEL



More specifically, within the Task 3 following activities shall be included to support development and functioning of the IT tool:

- requirements analysis,
- design,
- construction,
- testing,
- deployment,
- writing manuals,
- training,
- maintenance and
- support

## TASK 4: CAPACITY-BUILDING ACTIVITIES



- The system development will be in combination with the identification, recruitment and training of sectorial experts that will use the system. A series of capacity building activities shall be organized for national experts and stakeholders relevant to the MRV system development and Serbia's obligations to the Paris Agreements Enhanced Transparency Framework.
- Capacity building activities shall develop a long-term, coordinated approach to capacity development that addresses both institutional capacity needs and individual skill development, at national and sub-national levels, to address current climate change related technical capacity and skills.
- The trainings shall be arranged in collaboration with national competent institutions and universities in order to ensure sustainability. The focus shall be on institutions of relevance to the key priority sectors.

## TASK 4: CAPACITY-BUILDING ACTIVITIES



In order to secure participatory approach during the process of MRV system selected bidder shall:

- Organize and participate in thematic workshops, stakeholder consultations and events with different stakeholders (such national, provincial and local governments, businesses, industry, academia, CSOs, media etc.);
- Produce information sharing and awareness raising materials for general public and different target groups;
- Provide expert assistance in solving issues of relevance to the project's goals to the UNDP, the Ministry of Environmental Protection and other key stakeholders
- Organize at least 6 capacity-building events/trainings during the Contract duration. All capacity building events shall be based on the practical testing of the MPGs, content providers manual and Self-study guides. The selected bidder shall use the feedback from end users to upgrade the contents of the above mentioned MPGs, manual and guides.

# CONTACT & INFORMATION



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