

# Regional climate cooperation

## Overview of ECRAN work on MMR

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## ECRAN Work on MMR 2010 - 2016

- ECRAN work on MMR in the region, its outputs, results
- ECRAN MMR Web based platform
- Assessment of country readiness and progress
- Project/Action documents from the countries prepared under ECRAN
- Our vision for next steps and the need to step up efforts and continue ECRAN based work



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# ECRAN Work on MMR 2010 - 2016

## Short term (this cycle of ECRAN until 2016)

- **Functioning Institutional Arrangements**
- **Building a Team**
- **Technical training on Energy, Waste, AFOLU (Agri and LULUCF), IPPU**
- **Ready made project proposals for short term and long-term up-take**

## Long Term (future)

- **Data Supply System**
- **Delivering a quality and effective GHG inventory for year X – 2**
- **Promoting the work and MS / ECRAN Country review**



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## REFRESH: WG2 STANDS FOR...

### Activity 2.1: GHG inventory for the CRF Sector 1

- *A: Module 1: training on GHG inventory energy sector*
- *B: Module 2: training on uncertainty assessment*
- *C: Module 3: training on GHG inventories from fuel combustion*

### Activity 2.2: GHG inventory for CRF Sectors 2 - 6

- *A: Regional technical training seminars on CRF Sectors 2 – 6.*
- *B: Regional MMR exercise on National system Development*

### Activity 2.3: Other elements of the MMR

- *A: Best practice document for a fully functioning MMR system*
- *B: Regional Training on National Systems*

### Link with WG 1 on PaMs



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# Objectives

- Improvement of the **data quality** and **technical capacity** for preparing GHG emissions inventory elements
- Improved overall quality of the GHG **inventory preparation process** in the beneficiary countries
- Identification of Institutional, legal and procedural arrangements for development of a **national system** which is linked to the planning, preparation and management of the inventory

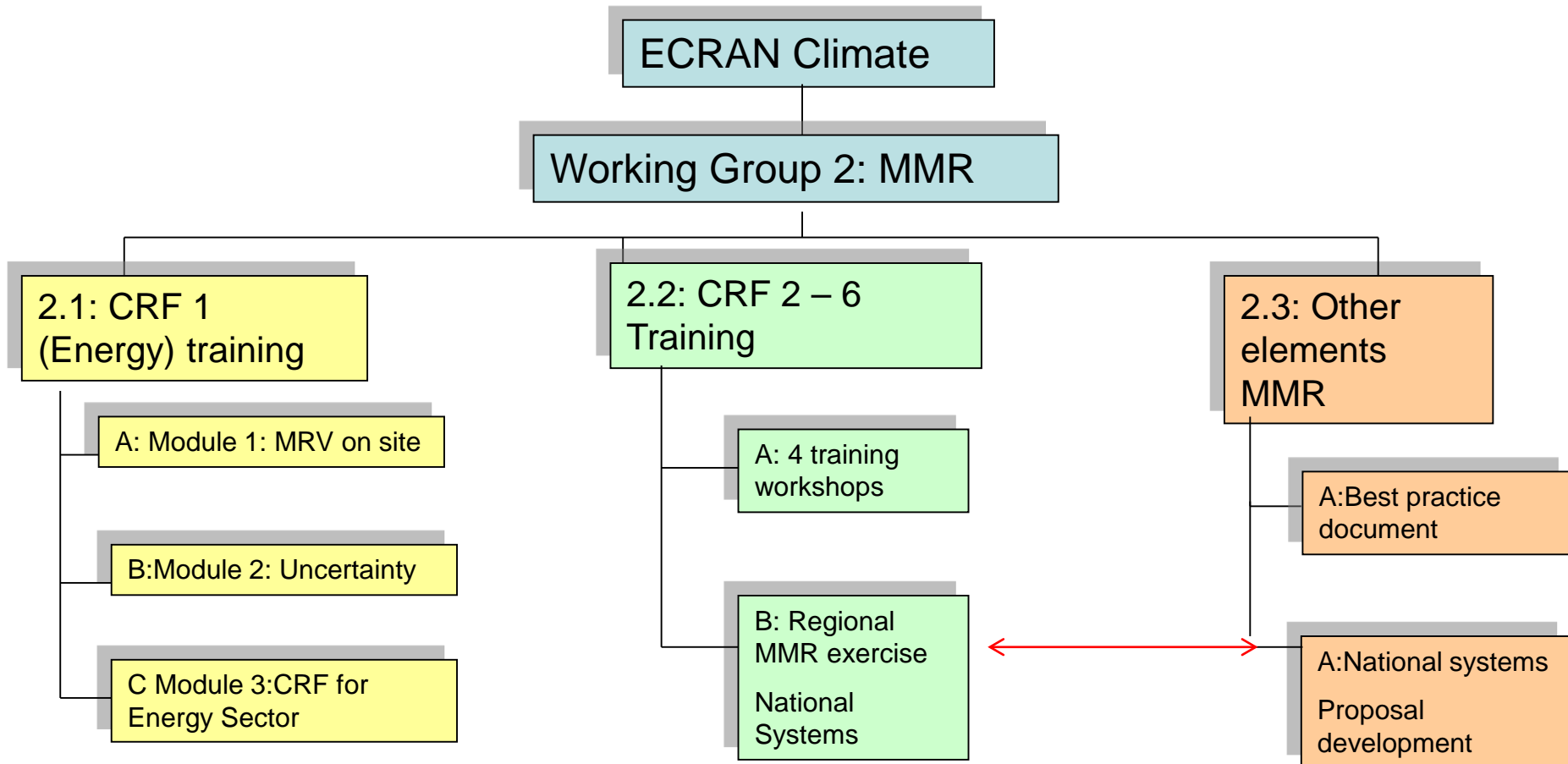


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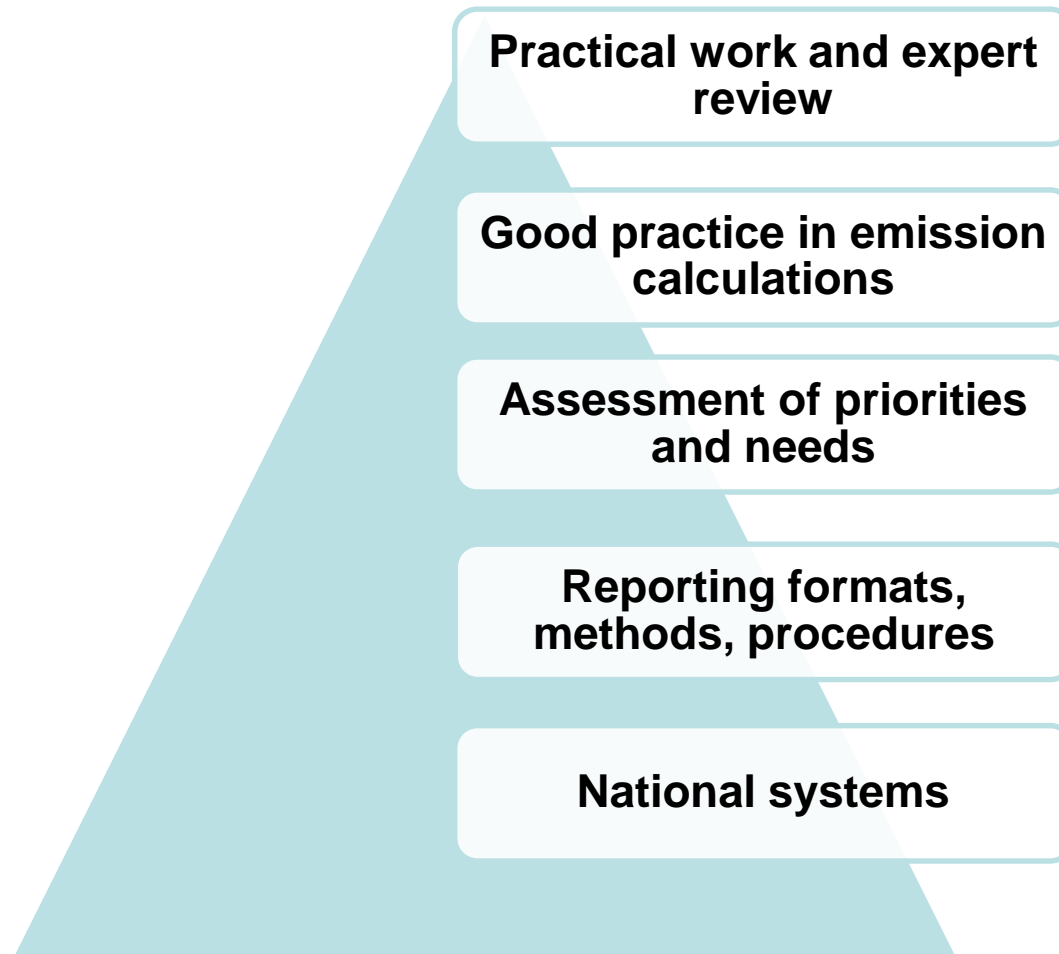


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# WG2 STANDS FOR...



# Approach



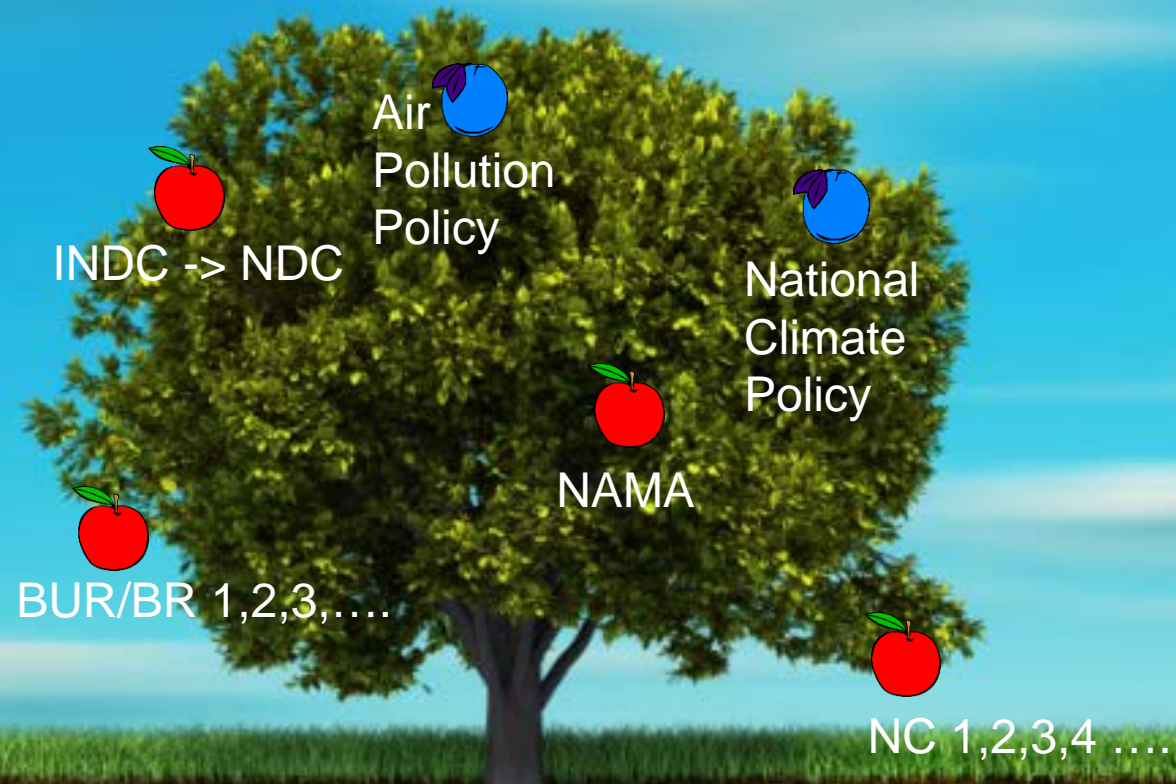
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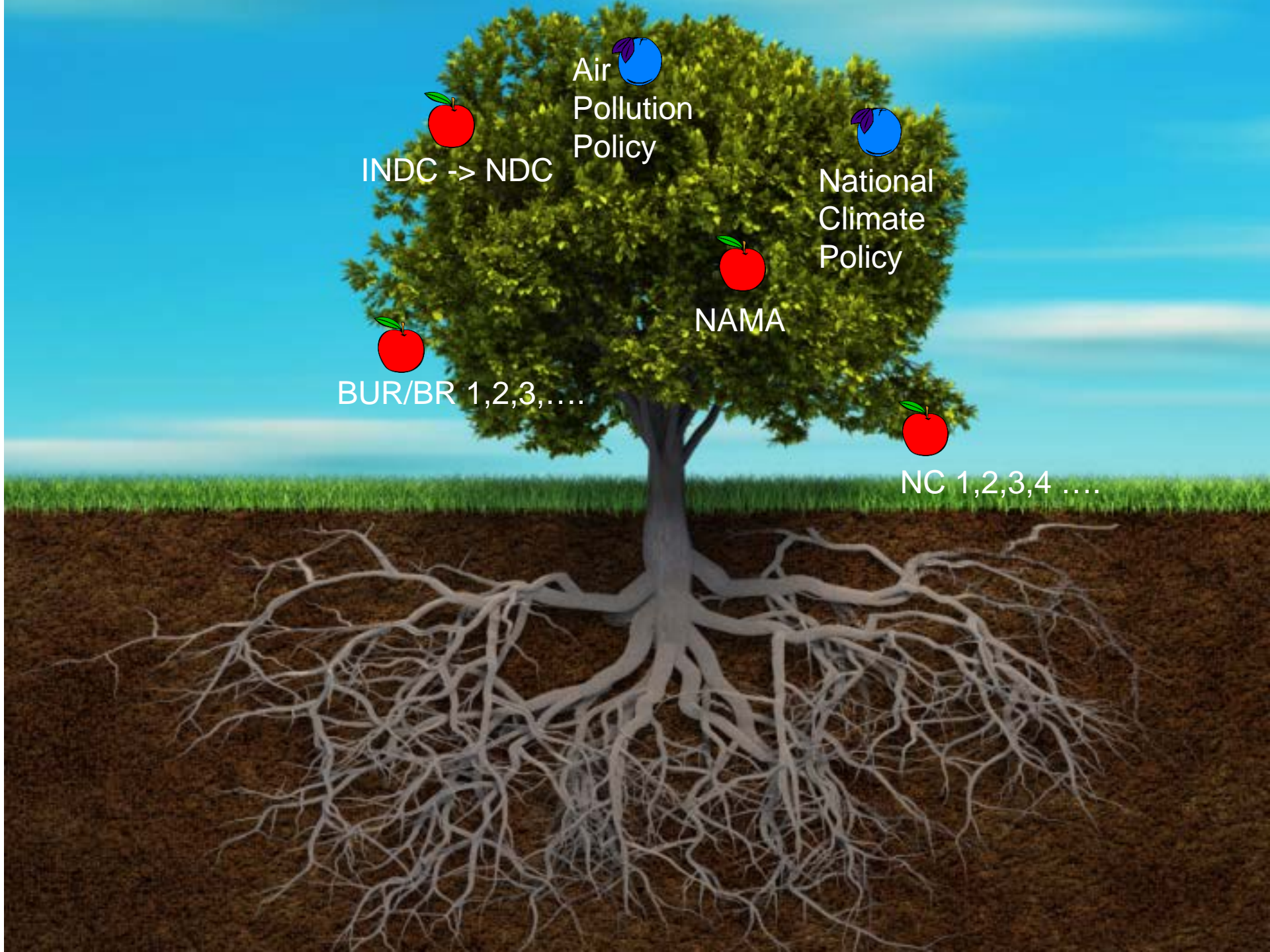
# National Systems





# National Systems





Air  
Pollution  
Policy



National  
Climate  
Policy



NAMA



INDC -> NDC

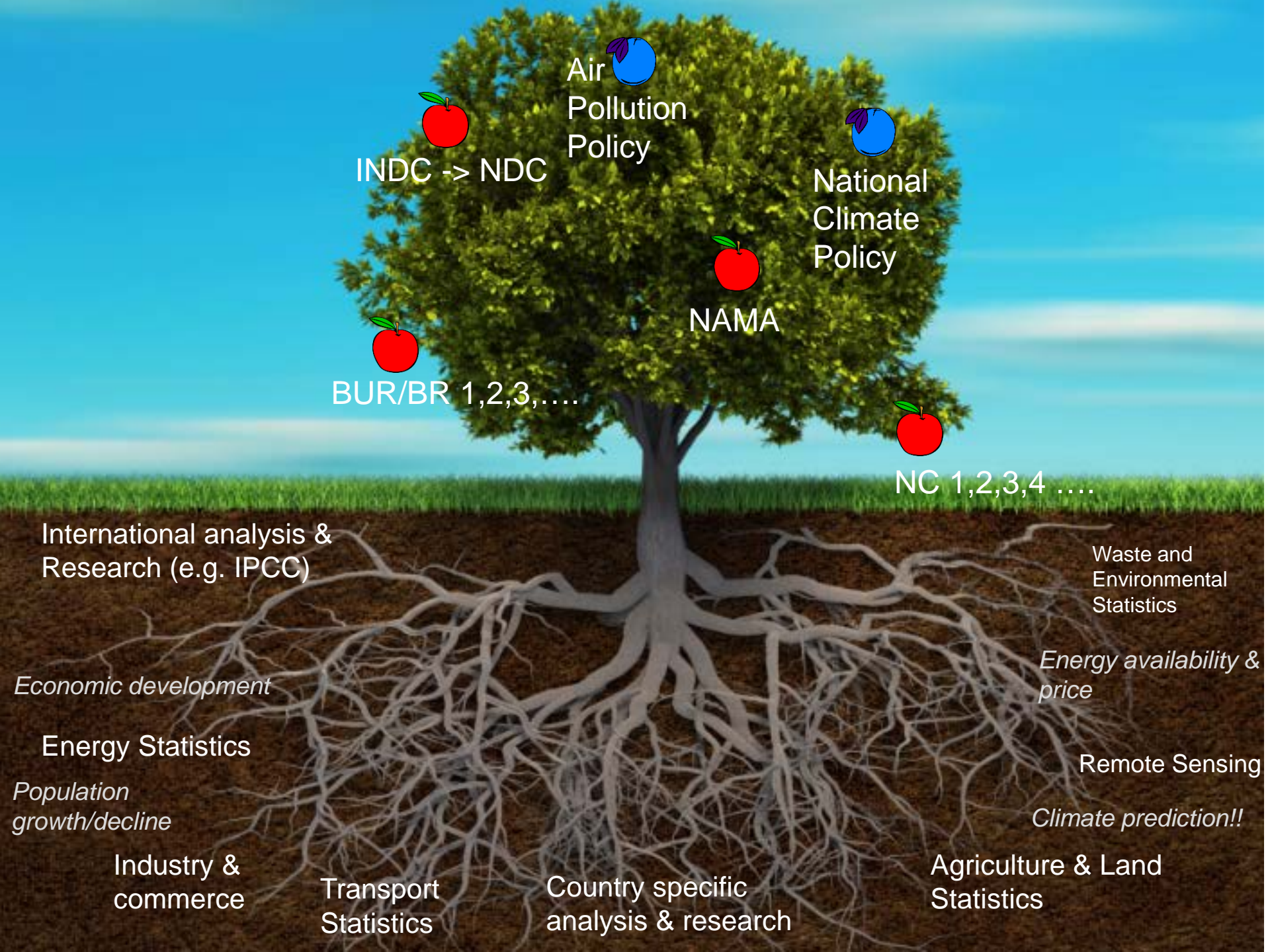


BUR/BR 1,2,3,....

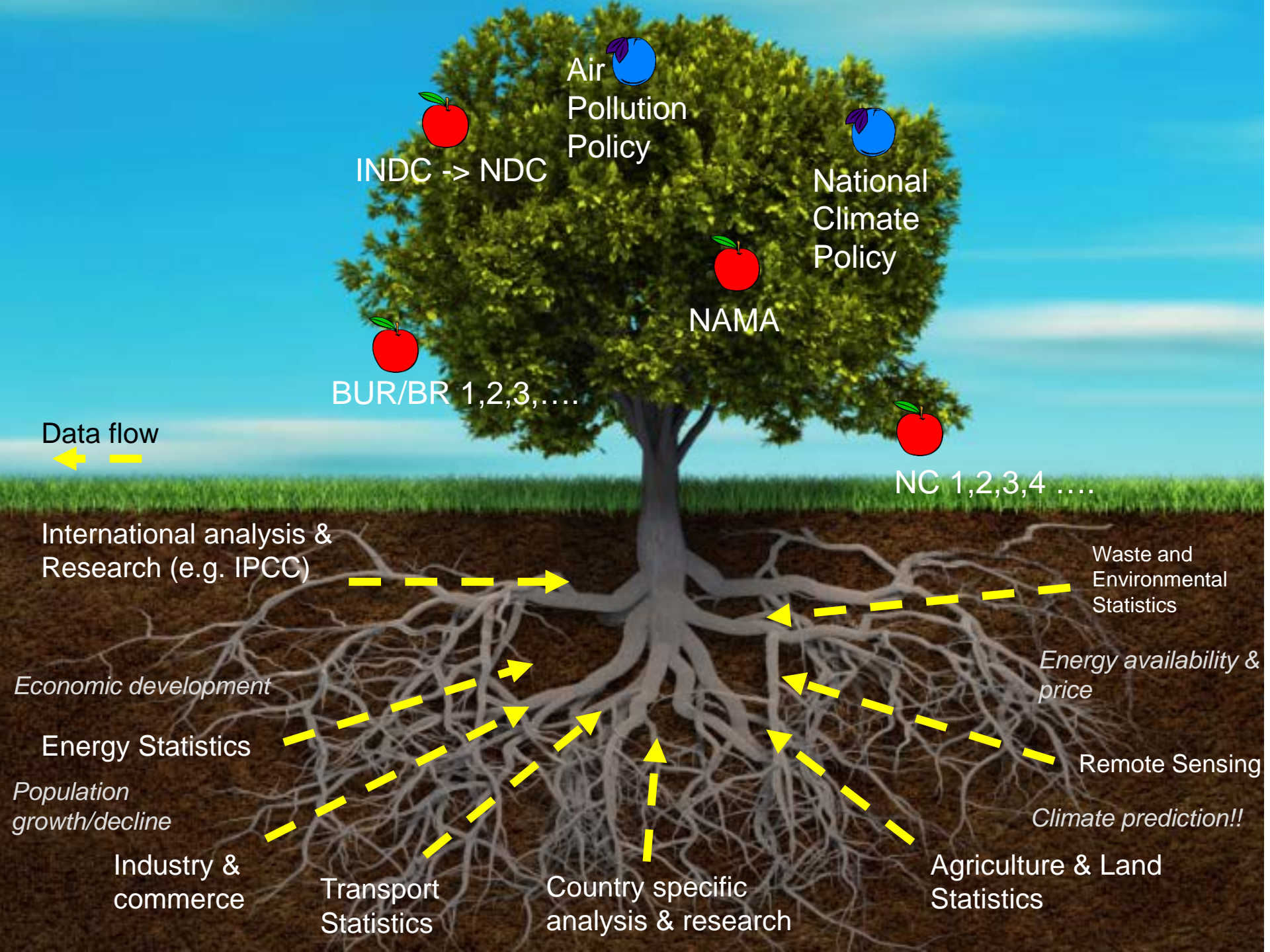


NC 1,2,3,4 ....

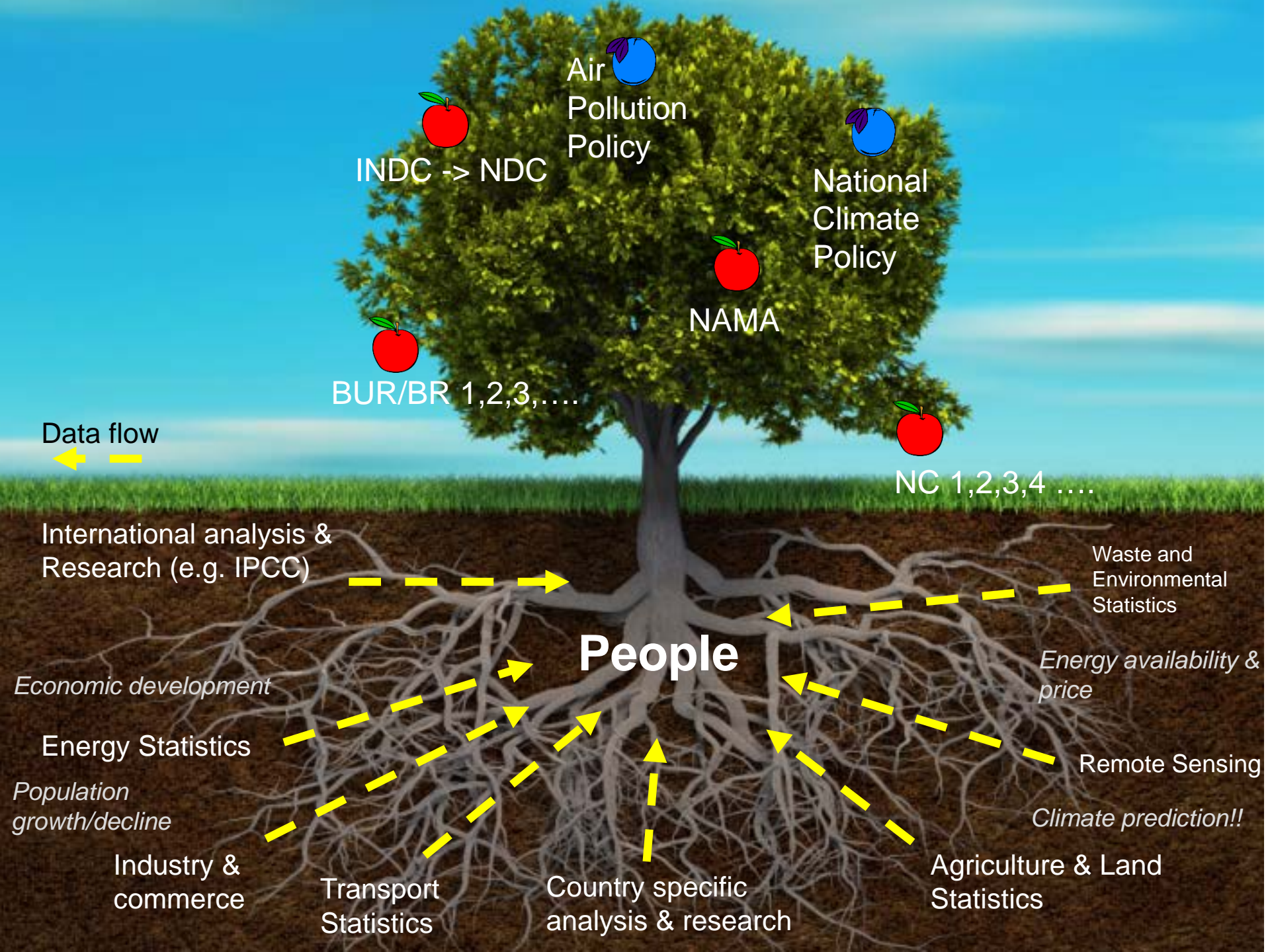














# National Systems = People

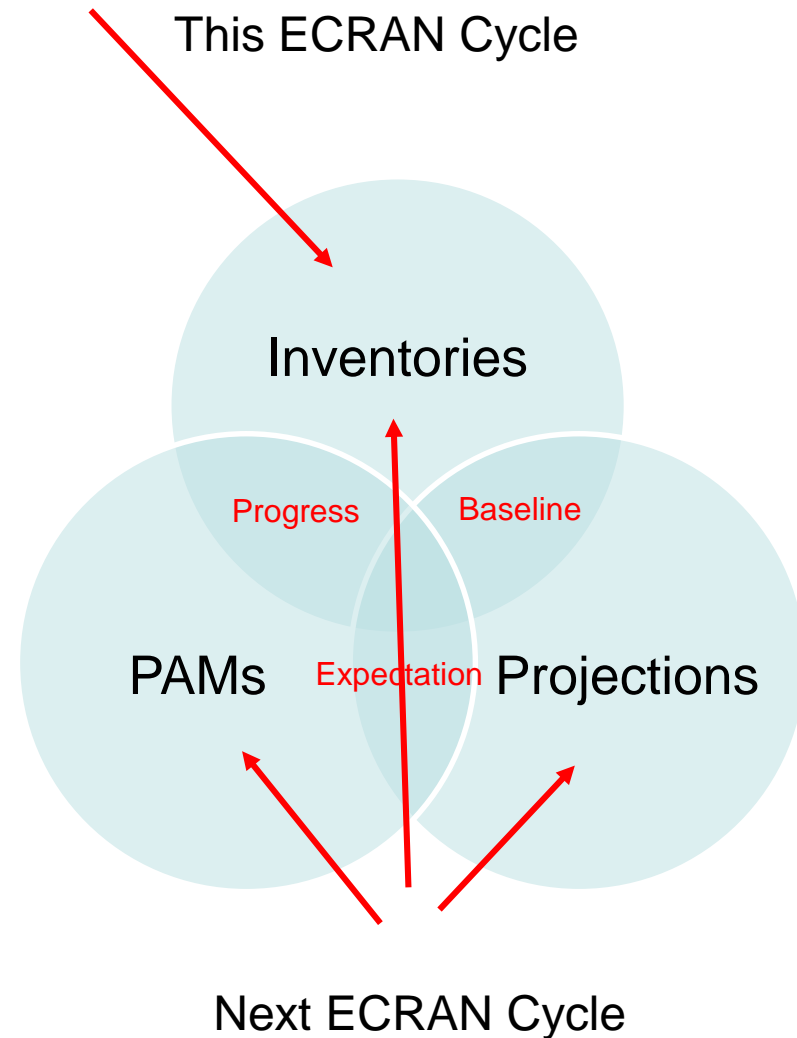






# Focus

- One National System for all?
  - GHG (and Air Pollution) Inventories
    - Tracking progress, highlighting success
  - Projections
    - Looking forward, highlighting the challenges and priorities
  - Actions
    - Assessing the potential of actions, understanding them in context.
- Creating Evidence & Engaging stakeholders





# Why a National System?: 1

- To meet EU Member State NS requirements:  
“Shall” requirement of Monitoring Mechanism Regulation (MMR)
  - **525/2013 Article 5(1)**.. establish, operate and seek to continuously improve national inventory systems.
    - In accordance with UNFCCC requirements 19/CMP.1
  - **525/2013 Article 5(2)**.. ensure access to national data associated with other EU decisions and regulations (Energy, E-PRTR, EUETS, F-Gases)
  - **749/2014 Articles 3 – 19**: Report specific information and formats including descriptions of the National System (Article 6)



# Why a National System?: 2

- To meet UNFCCC requirements.
  - “Shall” requirement for the National System 19/CMP.1 (**Kyoto Protocol Parties**)
  - “Should” requirement for **Institutional Arrangements** Decision 24/CP.19 (**Annex I Parties**)
  - “Encouraged” to provide information on national circumstances and **institutional arrangements** relevant to the preparation of the national communications on a continuous basis UNFCCC 2/CP.17 Annex III (**Non Annex I Parties**)



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# Why a National System?: 3

- To build ownership on developing and supporting National Policy and a transition to a low carbon economy.
  - Support INDC decisions and NDC review, update, monitor and implementation.
  - Engaging stakeholders in action
  - Prioritising action
  - Highlighting successes



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# Activities (1)

- **Regional technical training workshops on GHG inventories:**
  - Energy sector (March 2014 – 3 days)
  - Energy and IPPU sectors (July 2014 – 3 days)
  - AFOLU with focus on LULUCF (April 2015 – 2 days)
  - Waste sector (November 2015 – 2 days)
  - AFOLU with focus on Agriculture (June 2016 – 2 days)
  - Uncertainty assessment July 2014 - 2 days)
- **National Systems training workshops – MMR exercise**
  - Workshop 1 (October 2015 - 3 days)
  - Workshop 2 (March 2016 – 2 days)
  - Workshop 3 (June 2016 – 3 days)



# Activities (2)

## Central themes

- **Technical workshops**
  - Sharing beneficiary countries' experience
  - Sharing EU Member States' experience
  - Technical training on (IPCC) methods
  - Review of sectoral assessments in clinics
  - Gaps analysis - self assessments
- **National systems**
  - Sharing beneficiary and MS countries' experience
  - Develop and prioritise steps towards national systems – gap filling
  - National Action documents
  - Guidance materials
  - ECRAN WG 2 Information sharing portal



## Activities (3)

- **Action Documents preparation for National systems:**
  - National MMR teams and National Experts
  - Filled Logframes of required interventions
  - Preparation of Action documents (format IPA)
  - Deadline September 2016
- **Best Practice Documents**
  - Guidance for Action documents
  - Guidance towards building management structures
  - Deadline September 2016



# Main outputs

## Web based MMR knowledge sharing portal



<https://aetherltd.sharepoint.com/sites/ECRAN-WG2>

## Country action documents



### Action summary

This Action Document 2016 for Climate Sector is dedicated to efficient use of IPA II assistance in order to support Kosovo administration in accession negotiating process with EU with special emphasis on the implementation of the Monitoring Mechanism 525/2013 articles 5, 7, 12 and 14 and/or in preparing related reporting and analysis of GHG estimates and related data consistent with the European Energy Union and any new agreements under the Paris Agreement.

It is that regard the Action envisages support to the continuation of the effective development of National Systems for GHG estimation and reporting for historical and projected trends. It shall contribute to enhancing institutional capacities at or available to the Ministry of Environment as a leading institution in the efforts of Kosovo to mitigate Climate Change and contribute towards the wider objectives of the EU and the UNFCCC in accordance with the Paris Agreement.

The key activities covered in this Action Document are as follows:

#### Result 1: Functioning Institutional Arrangements:

- Sharing the information with the relevant institutions for legal obligations in the implementation of the AI on MMR approved regulations;
- Mapping out all potential data suppliers;
- Draft, and sign the MoU with relevant data suppliers;

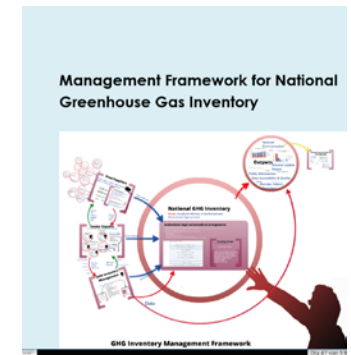
## Best Practice Document

ECRAN WG2: Informal guidance on establishing National System development results.

[Justin.gooch@aether.uk.com](mailto:Justin.gooch@aether.uk.com) ECRAN WG2 5-12-15. First version.

### Contents

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Background and about this document:	2
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# Results (1)

- Networking / National MMR Teams established
- Regional information exchange commenced
- Knowledge and skills strengthened
- The UNFCCC review reports confirm that Croatia has improved their NIR compared to previous periods following the ECRAN training support on inventory work.
- Experts from the region have been admitted to the UNFCCC roster of experts following ECRAN training





## Results (2)

- Through a regional ECRAN MMR exercise all ECRAN beneficiaries have prepared national MMR projects (ready made IPA Action Documents) on developing their National Systems (NS) to allow annual recurring GHG inventory work – Deadline 15 - 28 September 2016.
- The evaluations of the different steps and trainings confirm that the training achieved its set goals and results and contributed to improved understanding of and capacities on the training subject.



# Evaluations 2014 - 2016

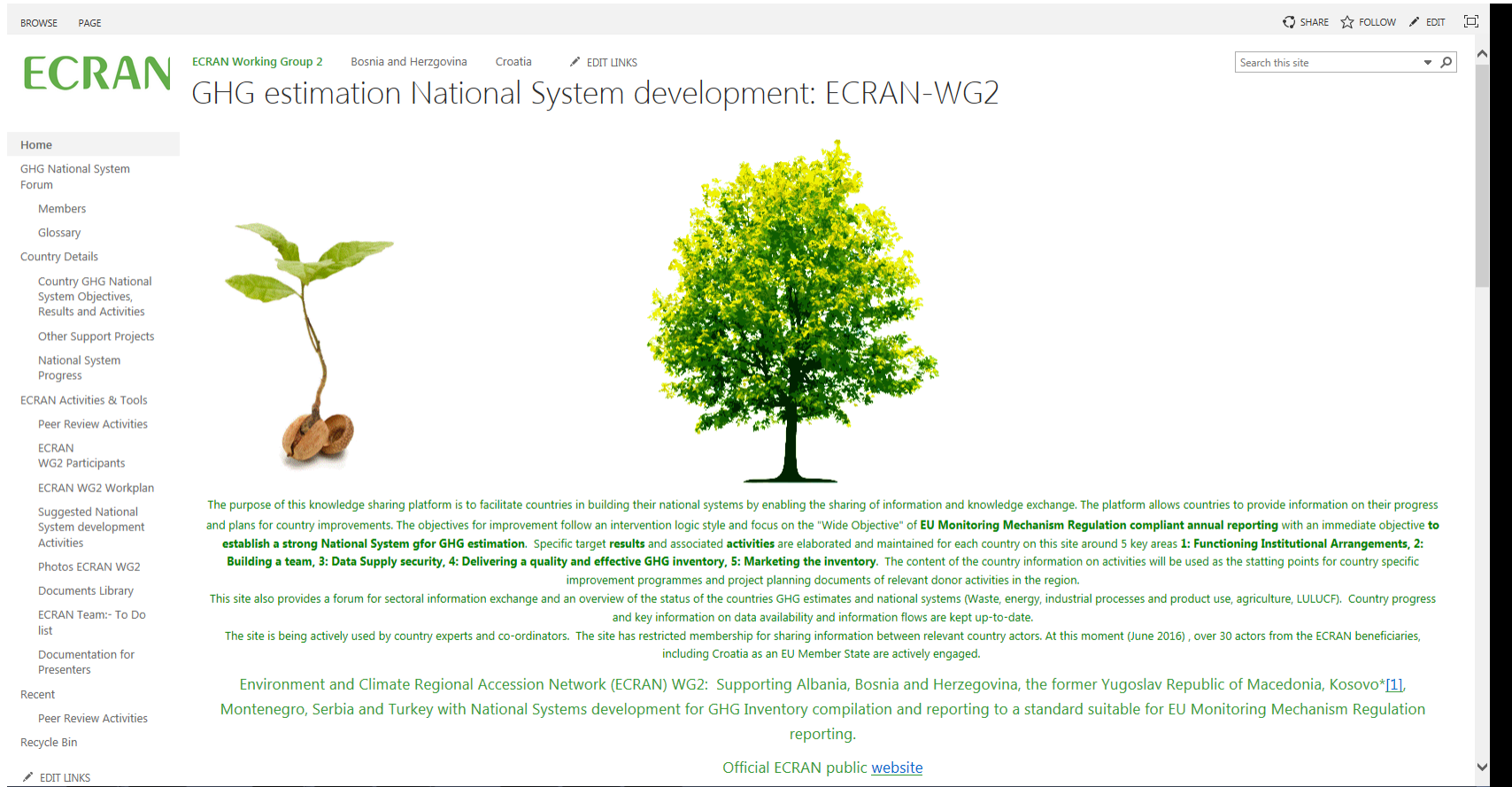


Workshop	No. of participants	Time well spent	Facilitators	Relevance
Energy	24	7.8	8.0	6.5
IPPU/Energy	25	10.0	8.6	7.5
Uncertainty	25	8.5	8.0	7.0
LULUCF	29	10.0	9.6	8.1
Waste	24	9.5	10.0	9.0
Agri	24	10.0	10.0	9.6
NS 1	44	8.1	9.4	8.6
NS 2	44	9.4	9.7	9.2
NS 3	43	9.6	9.3	8.9
<b>Average</b>	<b>31</b>	<b>9.2</b>	<b>9.2</b>	<b>8.2</b>



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# NS Knowledge Sharing Portal



- <https://aetherltd.sharepoint.com/sites/ECRAN-WG2>



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# NS Knowledge Sharing Portal: NS Participants

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This list contains all participants and contributors to the ECRAN project WG2. The columns on the right show a "1" where the individual has participated in the different workshops. The "Participant Role" column is important. It highlights the main role played by the participants in the ECRAN project. Beneficiary participants with key roles in their GHG estimation National System should be assigned one or more National System roles. Supporting experts such as "International Experts" from Member States are also included as well as the "Local Experts" who live in the beneficiary countries and provide support to the development of the National Systems.

[+ new item](#) or [edit this list](#)

All Items

✓	Mailing list	Participant Role	Formal Title	First Name	FamilyName	InstitutionName	Country	Email	Agriculture WS June 2016	NS workshop #3 June 2016	NS WS 2 March 8-9 2016	GHG Waste, Nov 2015, Sarajevo	NS, Oct 2015
		National Observer (Public/Industry);	Ms	Semra	Cerit	NGO KADOS	Turkey	scmazlum@marmara.edu.tr					
	Yes	Sector Expert:Agriculture; Sector Expert:Energy;	Mr	Abdulkadir	Bektaş	Turkish Statistical Institute	Turkey	kadirbektas@tuik.gov.tr			1		
			Mr	Abdurrahim	Durmuş	Science, Industry and Technology Ministry	Turkey	abdurrahim.durmus@sanayi.gov.tr			1		
	Yes	National System Co-ordinator and Manager;National System Co-ordination-Deputy; Sector Expert:Energy; QA/QC manager;	Ms	Aynur	Tokel	Turkish Statistical Institute	Turkey	aynur.tokel@tuik.gov.tr					
	Yes	Sector Expert:LULUCF;	Mr	Eray	Özdemir	General Directorate Of Forestry	Turkey	erayozdemir@ogm.gov.tr	1			1	
			Mr	Eren	Anlar	Ministry of Transport	TURKEY	eren.anlar@udhb.gov.tr					
	Yes	Sector Expert:Energy;	Mr	Ergün	KOÇ	Ministry of Energy and Natural Resources	Turkey	ekoc@enerji.gov.tr					
	Yes	Sector Expert:IPPU;	Mr	ERHAN	UNAL	TURKISH STATISTICAL INSTITUTE	TURKEY	erhan.unal@tuik.gov.tr					
	Yes	Sector Expert:Waste;	Ms	Fatma Betül	Demiroluk	Turkish Statistical Institute	Turkey	betul.bayguven@tuik.gov.tr					
			Ms	Hilal	Samray Çelik	Ministry of Food,Agriculture	Turkey	hilal.samray@tarim.gov.tr				1	



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# ECRAN Participant Roles

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Participant Role

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Formal Title

FamilyName

InstitutionName

Department

Position

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Street2

Postal Code

City

Country

Email

Telephone

Single National Entity

Participant: National Co-ordinator

Laureta

Ms

DIBRA

Ministry of Environment

Directory of Environment

Head of Air, Climate Change and Chemicals Sector

Norbert Jokl Str, ish ATSH, Tirana, Albania

Albania

dibra\_laureta@yahoo.com ; Laureta.Dibra@moe.gov.al

Select : Participant Role

National System Stakeholders

Single National Entity

National System Co-ordinator and Manager

QA/QC manager

Sector Expert

Data Provider

Data user

External International Expert

External Local Expert

Funder

International Observer

Select >>

Single National Entity

OK Cancel



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# ECRAN WG2 NS roles Identified.

**National System Role  
(and Number of people)**

	Kosovo*	Albania	Turkey	Bosnia and Herzegovina	Serbia	former Yugoslav Republic of Macedonia	Montenegro	Capacity Engaged with ECRAN
#Single National Entity	1	1			1		1	4
#Single National Entity Deputy					2			2
#Legal Advisor							1	1
#National System Co-ordinator and Manager				1	1	1	1	4
#National System Co-ordination- Deputy			1		1			2
#QA/QC manager			1			1		2
#Sector Expert	2		1		1	4	3	11
#Sector Expert:Agriculture	2		2					4
#Sector Expert:Energy	1		5		1			7
#Sector Expert:IPPU	2		2		2			6
#Sector Expert:LULUCF	2		3					5
#Sector Expert:Waste			1	1	3			5
#Data Provider						5	1	6
#National Observer (Public/Industry)		1	1					2
#External Local Expert	1	1		1	1	1	1	6
#Unknown	14	21	6	16	3		2	62
<b>Capacity Engaged with ECRAN</b>	<b>25</b>	<b>24</b>	<b>23</b>	<b>19</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>129</b>

- Roles
- Number of People

# ECRAN WG2 Participants

- Participating in ECRAN training workshops

National System Role ( and Number Participants)	Albania	Bosnia and Herzegovina	Kosovo*	Turkey	former Yugoslav Republic of Macedonia	Serbia	Montenegro	Capacity Engaged with ECRAN
#Single National Entity	1		1			0	1	3
#Single National Entity Deputy						1		1
#Legal Advisor							1	1
#National System Co-ordinator and Manager		1			0	1	1	3
#National System Co-ordination- Deputy				0.3		1		1.33
#QA/QC manager				0.3	1			1.33
#Sector Expert			2	0.5	4	1	3	10
#Sector Expert:Agriculture			1	0.5				1.5
#Sector Expert:Energy			1	2.3		0		2.83
#Sector Expert:IPPU			1	1		0		2
#Sector Expert:LULUCF			1	1				2
#Sector Expert:Waste		1		1		2		4
#Data Provider					3		1	4
#National Observer (Public/Industry)	1			1				2
#External Local Expert	1	1	1		1	0	1	5
#Unknown	17	12	8	3		2	0	42
<b>Capacity Engaged with ECRAN</b>	<b>20</b>	<b>15</b>	<b>15</b>	<b>11</b>	<b>9</b>	<b>8</b>	<b>8</b>	<b>86</b>

# ECRAN Participant Leaders

Place	Name	InstitutionName	Country	Role	Participation
1	Ms Ranka Radic	Republic Hidrometeorological Service	Bosnia and Herzegovina	#National System Co-ordinator and Manager	9
	Ms Svjetlana Stupar	Republic Hydrometeorological Service	Bosnia and Herzegovina	#Unknown	9
2	Ms Almira Kapetanovic	FMOiT	Bosnia and Herzegovina	#Unknown	6
	Ms Irena Tadic	EPA Montenegro	Montenegro	#Sector Expert	6
	Ms Ivana Dukic	Serbian Environmental Protection Agency	Serbia	#Sector Expert	6
	Ms Pelin Buzluk	Ministry of Energy and Natural Resources	Turkey	#Sector Expert:Energy	6
	Ms Enkeleda Shkurta	National Environmental Agency	Albania	#Unknown	6
3	Ms Jonila Haxhillari	Ministry of Environment	Albania	#Unknown	5
	Ms Merima Karabegović	JP Elektroprivreda BiH	Bosnia and Herzegovina	#Unknown	5
	Mr Enis Krečinić	Federal hydrometeorological Institute	Bosnia and Herzegovina	#Unknown	5
	Mr Rizah Hajdari	Kosovo Environmental Protection Agency	Kosovo*	#Unknown	5
	Ms Ivana Antonovic	Serbian Environmental Protection Agency	Serbia	#National System Co-ordination- Deputy	5
	Ms Ranka Zarubica	Environmental Protection Agency	Montenegro	#Sector Expert	5
	Mr Afrim Berisha	Kosovo Environmental Protection Agency	Kosovo*	#Sector Expert:Agriculture; #Sector Expert:LULUCF	5

Agriculture WS June 2016  
 NS workshop #3 June 2016  
 NS WS 2 March 8-9 2016  
 GHG Waste, Nov 2015, Sarajevo  
 NS, Oct 2015, Zagreb  
 ALOFU, Apr 2015, Sarajevo  
 CRF, Mar 2014, Zagreb  
 CRF, Nov 2014, Zagreb  
 CRF, Jul 2014, Podgorica



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# Overview National Systems Actions

- [https://aetherltd.sharepoint.com/sites/ECRAN-WG2/\\_layouts/15/start.aspx#/Lists/Objectives%20and%20Results/Summary.aspx](https://aetherltd.sharepoint.com/sites/ECRAN-WG2/_layouts/15/start.aspx#/Lists/Objectives%20and%20Results/Summary.aspx)
- Share progress and highlight successes and remaining problems.
- Developing (Action Documents) for future larger country specific projects under IPA or other support activities.



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The purpose of this knowledge sharing platform is to facilitate countries in building their national systems by enabling the sharing of information and knowledge exchange. The platform allows countries to provide information on their progress and plans for country improvements. The objectives for improvement follow an intervention logic style and focus on the "Wide Objective" of **EU Monitoring Mechanism Regulation compliant annual reporting** with an immediate objective **to establish a strong National System for GHG estimation**. Specific target **results** and associated **activities** are elaborated and maintained for each country on this site around 5 key areas **1: Functioning Institutional Arrangements, 2: Building a team, 3: Data Supply security, 4: Delivering a quality and effective GHG inventory, 5: Marketing the inventory**. The content of the country information on activities will be used as the starting points for country specific improvement programmes and project planning documents of relevant donor activities in the region.

This site also provides a forum for sectoral information exchange and an overview of the status of the countries GHG estimates and national systems (Waste, energy, industrial processes and product use, agriculture, LULUCF). Country progress and key information on data availability and information flows are kept up-to-date.

The site is being actively used by country experts and co-ordinators. The site has restricted membership for sharing information between relevant country actors. At this moment (June 2016), over 30 actors from the ECRAN beneficiaries, including Croatia as an EU Member State are actively engaged.

Environment and Climate Regional Accession Network (ECRAN) WG2: Supporting Albania, Bosnia and Herzegovina, the former Yugoslav Republic of Macedonia, Kosovo<sup>[1]</sup>, Montenegro, Serbia and Turkey with National Systems development for GHG Inventory compilation and reporting to a standard suitable for EU Monitoring Mechanism Regulation reporting.

Official ECRAN public [website](#)

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# NS Knowledge Sharing Portal: Country Progress

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Participating countries keep up-to-date, their progress with the different sectors methods and National System elements. This **National System Progress** tab provides information for each ECRAN beneficiary on their progress in the different sectors, generally and for the National System as a whole. This includes the methods and the tiers applied, current situation and planned improvements.  
[+ new item](#) or [edit this list](#)

All Items Agriculture-Summary National System ... Find an item SAVE THIS VIEW

✓ Edit	country ▼	Sector ▼	National System Element	Method	Tier	Current Situation	Planned Improvements	Modified By	ECRAN improvement activity
	Kosovo	0 General	Uncertainty Approach 1	IPCC 2006	Tier 1	Uncertainty Assessment applied for inventory 2010-2013	Increase capacities of the team for Uncertainty Assessment	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Uncertainty Approach 2	N.E.	N.E.	N.E.	No	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Key Category analysis	IPCC 2006	Tier 1	Applied for inventory 2008-2013	Increase capacities of the team for key category analysis	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	General QA/QC	Guidelines from IPCC 2006		Internal procedures for QA/QC	QA/QC analysis and drafting procedures	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Sector specific QA/QC	Guidelines from IPCC 2006		Internal procedures for QA/QC	QA/QC sectoral analysis and drafting procedures	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Data Management systems (IPCC software?, Excel, specialised systems, databases, other?)	NA	NA	Databases for 2010-2013 inventory according to IPCC categories, Worksheets from IPCC 2006 according to IPCC categories, Excel sheets for some categories	Advanced databases and web page	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Timeseries (e.g. 1990 - submission year -2)	NA	NA	Kosovo has not yet referent base year	Study analyses for determination of the referent base year for Kosovo	<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	Gases (e.g. CO2, CH4, N2O, HFC, PFC, SF6, NF3, Indirects)	NA	NA			<input type="checkbox"/> Afrim Berisha	
	Kosovo	0 General	GWPs (e.g. 2nd, 4th Assessment report).	NA	NA			<input type="checkbox"/> Justin Goodwin	
	Kosovo	0 General	Latest GHG estimation activity (year) and lead by which organisation).	IPCC 2006	Tier 1	2013, Kosovo Environmental Protection Agency/Ministry of Environment and Spatial Planning	Estimation of GHG for 2014, is in the proces	<input type="checkbox"/> Afrim Berisha	
	Kosovo	1 Energy	Energy Reference Approach	IPCC 2006	Tier 1	Energy reference approach is applied according to IPCC 2006 guidelines	Capacity building of the inventory team on calculation and estimation for energy sector	<input type="checkbox"/> Afrim Berisha	
	Kosovo	1 Energy	1.A.1. Energy industries	IPCC 2006 Reference Approach	Tier 1	Inventory in place for 2008-2013. Relevant subcategories are: main activity electricity and heat production, electricity generation and heat plans	Capacity building for calculation and estimation	<input type="checkbox"/> Afrim Berisha	
	Kosovo	1 Energy	1.A.2. Manufacturing industries and construction	IPCC 2006, Reference Approach	Tier 1	Inventory in place for years 2008-2013. Main relevant subcategories are: iron and steel, non-ferrous metals, chemicals, pulp, paper and print, food processing, beverages and tobacco, non-metallic minerals, mining ext.	Capacity building for calculation and estimation	<input type="checkbox"/> Afrim Berisha	
	Kosovo	1 Energy	1.A.3. Transport	IPCC 2006, Reference approach	Tier 1	Inventory in place for years 2008-2013. Main subcategory is road transportation.	capacity building for calculation and estimation	<input type="checkbox"/> Afrim Berisha	



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# Country National System Progress

- National System should know the Status of progress.
- Indicator of ECRAN engagement with NS
- Starting point for Actions/Activities & informal review.

Country	0 General	0 National System	1 Energy	2 IPPU	3 Agriculture	4 LULUCF	5 Waste	6 Other	Memo	% complete
Serbia	100%	75%	100%	100%	100%	100%	100%	100%	100%	97%
Kosovo	90%	75%	100%	88%	100%	100%	100%	100%	13%	85%
Montenegro	100%	0%	100%	100%	100%	100%	20%	0%	100%	69%
Republic of Macedonia	80%	75%	100%	100%	80%	0%	20%	0%	13%	52%
Turkey	0%	0%	0%	0%	100%	0%	0%	0%	0%	11%
Albania	0%	0%	0%	0%	90%	0%	0%	0%	0%	10%
Bosnia & Herzegovina	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	53%	32%	57%	55%	81%	43%	34%	29%	32%	46%

- [https://aetherltd.sharepoint.com/sites/ECRAN-WG2/\\_layouts/15/start.aspx#/Lists/CountryMethods/AllItems.aspx](https://aetherltd.sharepoint.com/sites/ECRAN-WG2/_layouts/15/start.aspx#/Lists/CountryMethods/AllItems.aspx)

# Country National System: Information on Progress (General)

	Albania	Bosnia & Herzegovina	Kosovo	Montenegro	Republic of Macedonia	Serbia	Turkey
Data Management systems (IPCC software?, Excel, specialised systems, databases, other?)			Own DB	IPCC 2006 software	IPCC 2006 software	IPCC 2006 software	
Gases (e.g. CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFC, PFC, SF <sub>6</sub> , NF <sub>3</sub> , Indirects)				CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFC		CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFC	
General QA/QC			Own System	Part of BUR	Part of BUR	Own System	
Sector specific QA/QC			Own System	BUR		Own System	
GWPs (e.g. 2nd, 4th Assessment report).				AR2		AR4	
Key Category analysis			Tier 1	Tier 1	Tier 1	Tier 1	
Latest GHG estimation activity (year) and lead by which organisation).			EPA	EPA		EPA	
Timeseries (e.g. 1990 - submission year -2)			2013	1990-2013	1990 - 2012	1990-2014	
Uncertainty Approach 1			Approach 1	Approach 1		Approach 1	
Uncertainty Approach 2					Approach 2		



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# Country National System: Information on Progress (Energy - Agriculture)

		Albania	Bosnia & Herzegovina	Kosovo	Montenegro	Republic of Macedonia	Serbia	Turkey
<b>1 Energy</b>	1.A.1. Energy industries			2006:- T1	2006:- T2	2006:- T2	2006:- T1	
	1.A.2. Manufacturing industries and construction			2006:- T1	2006:- T1	2006:- T1	2006:- T1	
	1.A.3. Transport			2006:- T1	2006:- T1	2006:- T1	2006:- T2/3	
	1.A.4. Other sectors			2006:- T1	2006:- T1	2006:- T1	2006:- T1	
	1.A.5. Other			NO:-	2006:- T1	2006:- T1	2006:- T1	
	1.B.1. Solid fuels			2006:- T1	2006:- T1		2006:- T1	
	1.B.2. Oil and natural gas and other emissions from energy production			NO:-	2006:- T1	2006:-	2006:- T1	
	1.C. CO2 Transport and storage			NO:-			NO:-	
	Energy Reference Approach			2006:- T1	2006:- T1	2006:-	2006:- T1	
<b>2 IPPU</b>	2.A. Mineral industry			2006:- T2	2006:- T1	2006:- T1/2	2006:- T1	
	2.B. Chemical industry			NO:-		2006:- T1	2006:- T1	
	2.C. Metal industry			NO:-	2006:- T1/2	2006:- T1/2	2006:- T1	
	2.D. Non-energy products from fuels and solvent use			2006:- T1	2006:- T1		2006:- T1	
	2.E. Electronic industry			NO:-			NO:-	
	2.F. Product uses as substitutes for ODS			2006:- T1	2006:- T1		2006:- T1	
	2.G. Other product manufacture and use			NO:-	2006:- T1		2006:- T1	
	2.H. Other(3)			NO:-			NO:-	
<b>3 Agriculture</b>	3.A. Enteric fermentation	1996:- T1		2006:- T1	2006:- T1	2006:- T1	2006:- T1	2006:- T1
	3.B. Manure management	1996:- T1		2006:- T1	2006:- T1	2006:- T1	2006:- T1	2006:- T1
	3.C. Rice cultivation			NO:-	NO:-	2006:- T1	NO:-	2006:- T1
	3.D. Agricultural soils	1996:- T1		2006:- T1	2006:- T1		2006:- T1/2	2006:- T1
	3.E. Prescribed burning of savannas			NO:-	NO:-		NO:-	NO:-
	3.F. Field burning of agricultural residues	1996:- T1		2006:- T1	2006:- T1		NO:-	2006:- T1
	3.G. Liming			NO:-	NO:-		NO:-	NE:-
	3.H. Urea application	1996:- T1		2006:- T1	NO:-	2006:- T1	2006:- T1	2006:- T1
	3.I. Other carbon-containing fertilizers	1996:- T1		2006:- T1	NO:-		2006:- T1	NE:-
	3.J. Other			NO:-	NO:-		NO:-	NO:-

# Country National System: Information on Progress (LULUCF - Memo)

		Albania	Bosnia & Herzegovina	Kosovo	Montenegro	Republic of Macedonia	Serbia	Turkey
<b>4 LULUCF</b>	4.A. Forest land (4)			2006:- T1	2006:- T1		2006:- T1	
	4.B. Cropland (4)			2006:- T1			2006:- T1	
	4.C. Grassland (4)			2006:- T1			2006:- T1	
	4.D. Wetlands (4)			NO:-			2006:- T1	
	4.E. Settlements (4)			2006:- T1			2006:- T1	
	4.F. Other land (4)			2006:- T1			2006:- T1	
	4.G. Harvested wood products			NO:-			2006:- T1	
	4.H. Other (4)			NO:-			NO:-	
<b>5 Waste</b>	5A-MSW	2006:-	2000:-	2006:- T1	2006:- T1	2000:-	2006:- T1	
	5A-Non-MSW			2006:- T1	NE:-	NE:-	2006:- T1	
	5B-MSW	NE:-			NE:-	NE:-	NO:-	
	5B-Non-MSW	NE:-			NE:-	NE:-	NO:-	
	5C1-MSW			2006:- T1	NE:-	2000:-	NO:-	
	5C1-Non-MSW			2006:- T1	NE:-	2000:-	NO:-	
	5C2-MSW			NO:-	NE:-	NE:-	NO:-	
	5C2-Non-MSW			NO:-	NE:-	NE:-	NO:-	
	5D-Domestic	2006:-	2000:-	2006:- T1	2006:- T1	2006:-	2006:-	
	5D-Industrial		2000:-	2006:- T1	NE:-	2006:-	2006:-	
<b>6 Other Memo</b>	6. Other (please specify)(6)			NO:-			NO:-	
	Memo.CO2 captured						NO:-	
	Memo.CO2 emissions from biomass				2006:-		NO:-	
	Memo.Indirect CO2						NO:-	
	Memo.Indirect N2O						NO:-	
	Memo.International Aviation			2006:- T1	2006:-	2006:- T1/2	2006:- T1	
	Memo.International Navigation				2006:-		2006:- T1	
	Memo.Long-term storage of C in waste disposal sites						NO:-	
	Memo.Multilateral operations						NO:-	

# NS Knowledge Sharing Portal: Country Plans

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Participating countries maintain information on their GHG estimation National Systems objectives, target results and activities. Countries contribute directly into this list highlighting the expected impact of the intervention (**Wider Objective: "Compliance with MMR"**), and the expected outcomes (**Immediate objective: "Permanent National System for GHG estimation and reporting"**) and associated **Results and Activities** associated with the 5 areas below.

1. Functioning Institutional Arrangements
2. Building a team
3. Data Supply security
4. Delivering a quality and effective GHG inventory
5. Marketing the inventory

[+ new item](#) or [edit this list](#)

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✓	Edit	Country	Type	Objective/Result	Description of Objective, Result or Activity	Sequence #	Priority	Indicator of Achievement (for 3_Result) or Means (for 4_Activity)	Indicator Source of Information for measuring 3_Result	Benefits of activity/result
		Albania	4_Activity	Result 1: Functioning Institutional Arrangements:	Draft DCM on Monitoring Mechanism System	2	High	DCM approved	Official national Journal	clear roles and responsibilities between institutions, reporting template
		Albania	4_Activity	Result 1: Functioning Institutional Arrangements:	Revising prime minister order on IWGCC / technical sub group on inventory	3	High	Prime minster order	official approval	dedicated WG (technicians) on inventory that will improve the process
		Albania	4_Activity	Result 1: Functioning Institutional Arrangements:	Stakeholder analyse and list	2.1	High	Involvement and commitment of the stakeholders	Stakeholder analyse report	roles and responsibilities of different stakeholders in the system
		Albania	4_Activity	Result 1: Functioning Institutional Arrangements:	Draw NS Structure	2.2	High	functional NS structure	stakeholder analyse info	engagement /contribution of respective institutions/entites
		Albania	4_Activity	Result 1: Functioning Institutional Arrangements:	Draft Law on CC (Frame Work Law partial transposition)	1	High	law on CC adopted	law on CC; published at Official national Journal	partial transposition of the CC package
		Albania	4_Activity	Result 1:	Support peer review of NS	4	Medium	functional and full compliance of the MMR system in	report	functional and full



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# NS Knowledge Sharing Portal: Country Plans

- Complete logframes are in place for all countries
- Ownership: Prepared fully by country teams with MS help
- Submissions of semi-mature action documents from Kosovo\*, Montenegro, former Yugoslav Republic of Macedonia
- Deadline 28 September 2016
- Est. budgets between € 300K – 2 MK
- Montenegro already discusses with UBA
- Albania submits for IPA financing
- Kosovo\* starts implementation



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# NS Knowledge Sharing Portal: Country Plans

**Wider Objective** To ensure compliance with the MMR establish through a fully functioning national system (5 – 10 years)

OVI, Sources of info, assumptions

**Immediate Objective** A permanent national system for (1) the estimation of anthropogenic emissions of greenhouse gases by sources and sinks; *(for (2) the assessment of the impacts of policies and measures for greenhouse gas emissions as well as (3) for greenhouse gas projections, and for (4) the reporting of inventories and national inventory reports)*

**Result 1: Institutional arrangements:** A set of short term institutional building blocks in place to allow future recurring reporting and continuous improvement on GHGs mitigation inventories, projections and PAMs.

**Result 2: Building a Team:** A team has been built and trained to fill the identified institutional arrangements

**Result 3: Data Supply security:** Data supply system developed

**Result 4: Delivering a quality and effective GHG inventory:** quality and effective GHG inventory timeseries for year X to Y - 2

**Result 5: Marketing the inventory:** Increased awareness on advantages and opportunities for the country of a strong inventory framework



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## Main successes to date

- Beneficiaries empowered to start/improve GHG inventory work themselves (not only outsourcing) (AL, MK, MNE, KOS, BiH, SER, TK)
- Follow-up NS actions through donors/IPA (MNE, AL, KOS, others?)
- Legal requirements established (AL, KOS)
- Experts included in UNFCCC roster (MK, BiH)
- Confirmed improved GHG inventory work (CRO)
- Momentum for follow-up achieved (KOS, AL, MK, MNE)



## Main weaknesses to date

- Data management, availability of data (All)
- Financial issues, funding (All)
- Internal cooperation/coordination issues (All)



## ECRAN focus 2016 and beyond

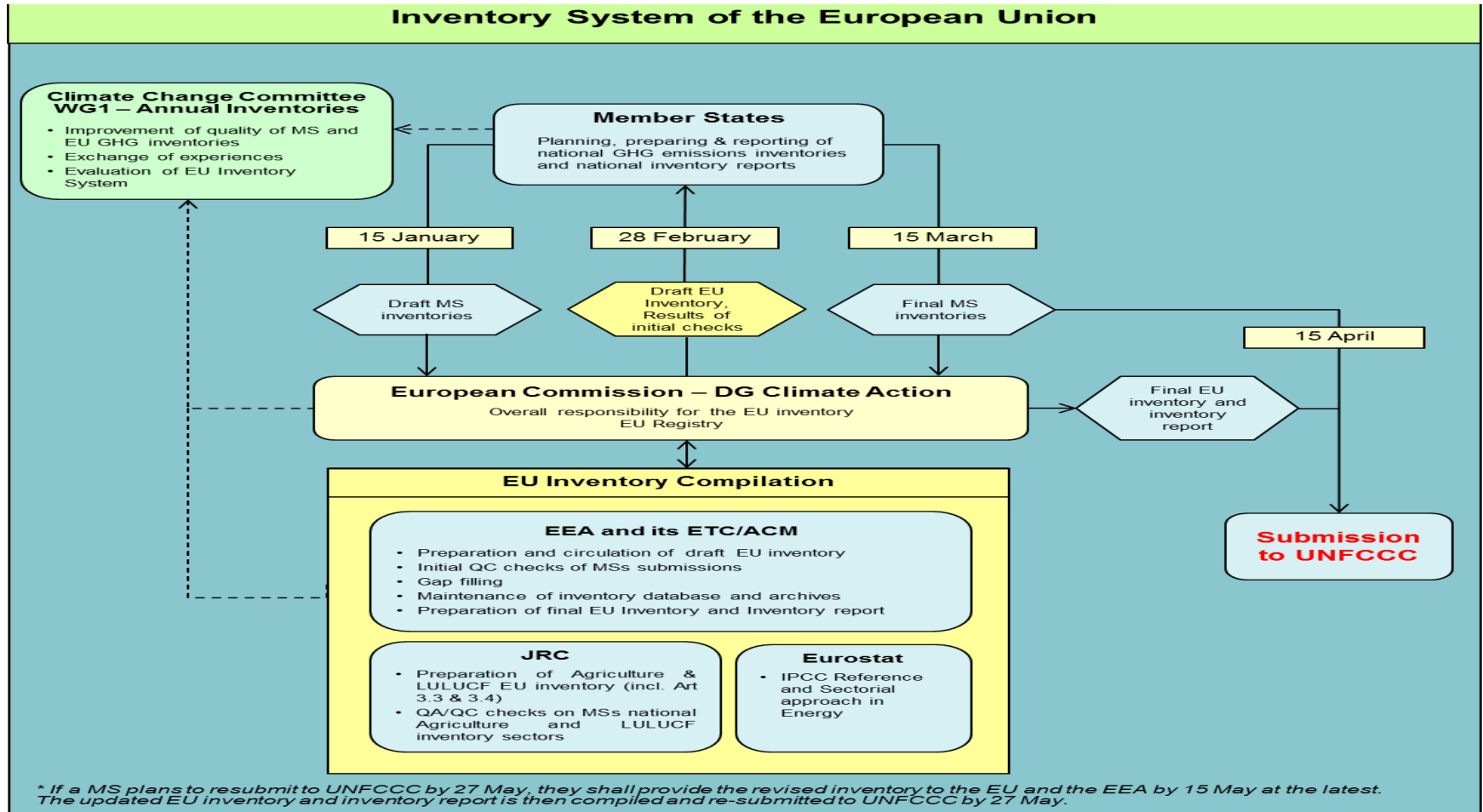
Key issues 2016: Strengthening the network further by:

- Data Supply System establishment
- Delivering a quality and effective GHG inventory for year X – 2
- Promoting the work and MS / ECRAN Country Peer review
- Set up a regional reporting system under a legal/covenant framework (Energy community/ECRAN), mirrored on EU system

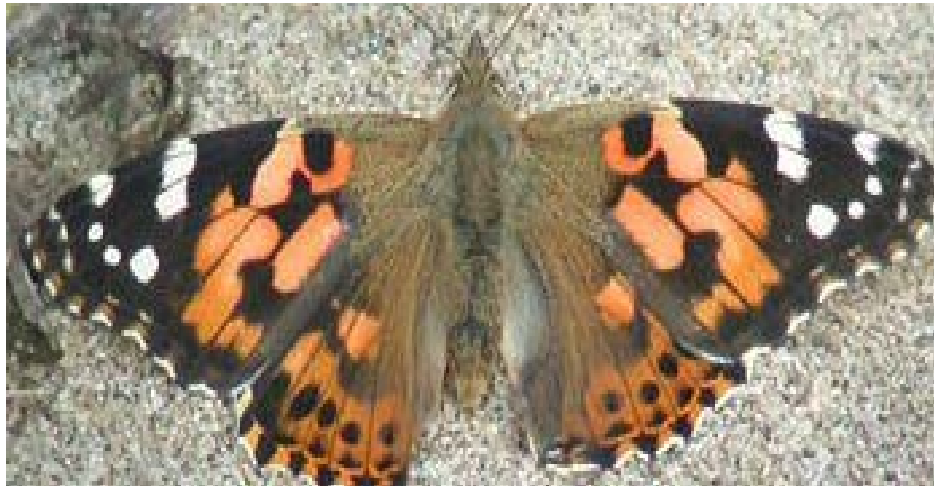


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# EU system



# ECRAN



## Painted lady

- Picture taken morning of 5 December 2015 in Paris, resting and warming on a wall outside our hotel
- Not supposed to be there, but in south of France, Spain, Morocco



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# Thank you for your attention

