

ECRAN National Systems Workshop 2

Justin Goodwin, 8 – 9 March 2016



Project Terminology

- **National System (NS):** A team of organisations (people), available resources, data providers, and agreed processes and tools focussed on efficiently and repeatedly:
 - **Estimating & reporting** GHGs of timely & ensuring “acceptable” quality (TCCCA)
 - **Engaging** with external review activities (verification) and the outside world!
 - **Improving estimates** and **evolving its-self** (the National System) to fit with governance structures and data suppliers.
- **Institutional Arrangements:** The agreements, MOUs, contracts and roles and responsibilities in place in order for the NS to function.
- **Single National Entity (SNE):** UNFCCC MMR term for the organisation responsible for the submission of the GHG inventory to UNFCCC and MMR.
- **Inventory Agency (InvAg):** The organisation responsible for compiling the GHG inventory. Can have delegated responsibilities to submit to UNFCCC/MMR.
- **National/Country Experts (NatExp):** Experts identified in the “National System” as country representative experts. Including **Sector Experts:** Experts in the country with recognised knowledge of sectoral emissions/removals.
- **Local ECRAN Experts:** Local experts paid by ECRAN/TAIEX completing tasks for preparing the NS for National/Country Experts.
- **International ECRAN experts:** International experts paid by ECRAN/TAIEX

Accelerate effective Climate Action

Better decision making & engagement = Accelerated ACTION

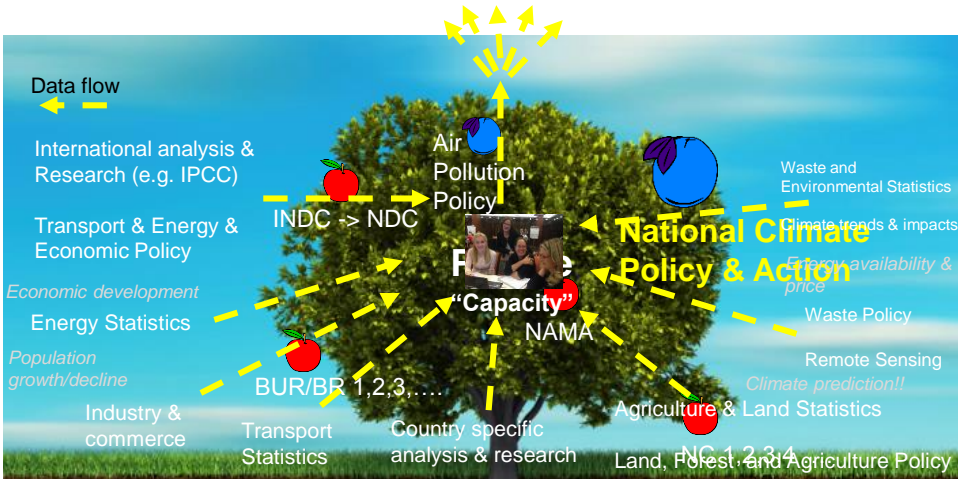
- To Achieve 1.5°
- To minimising impacts if/when we don't
- How do you achieve Better decision making & engagement?
 - Local sustainable **Centres of Excellence** to support countries in meeting their commitments.
 - Strong **motivated sustainable (long term) teams & experts.**
 - **Valued and sustainable Data Supply** (data flows)
 - **High quality outputs:** MMR, ESD, NDC, BUR, NC, GHG inventory, PAMs, Projections etc (adaptation strategies, EUETS systems???)...
 - **Better linking** between related activities (Inventories, Actions, Projections, Adaptation, Trading systems, Other environmental (e.g. Air Quality control), Co-benefits/Impacts for economy, society, environment etc)
 - **Confidence to participate e.g.** in international consultation and analysis (review), trading systems.
 - Equal **gender** opportunities.

Build a strong foundation build a “National System”

National Systems



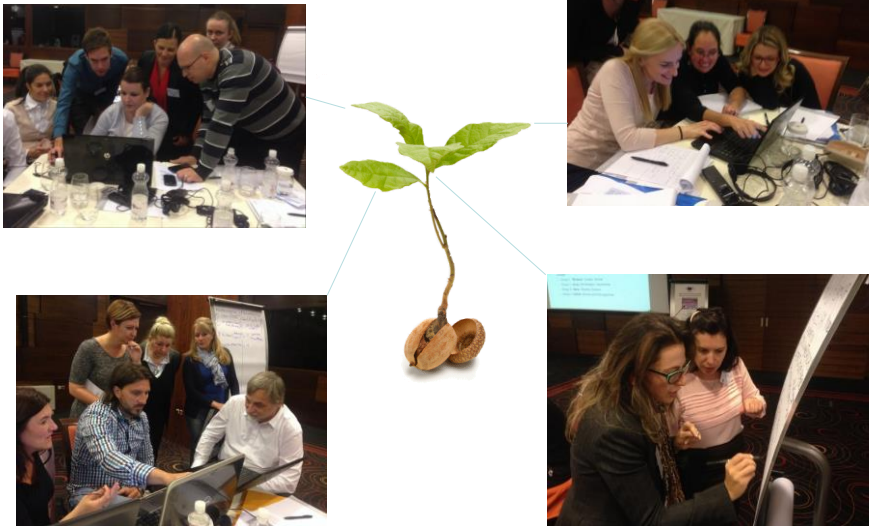
National Systems



National Systems = People



Nurture the people, they'll grow the tree



Find the People, keep the people

- **Strong leadership & vision** (from above or below)
- Experts with the right **background & skills**
- Experts **that want to stay** in the system
 - by reward them with training, tools, Job security, succession & prospects
- Experts that **build relationships and networks**
 - for efficient “data flow” (e.g. data suppliers and other expert)
 - For continuous improvement
- People that are passionate about **Engaging** wider stakeholders
 - Promoting their data and messages
 - Helping them to link to co-benefits
- People that can to provide **Compelling sustained Evidence**
 - to national decision makers and build momentum for **Climate Action**

Invest **wisely and modestly** in **People their Knowledge and tools** so they can help their countries to invest **big and smart** in **Successful Climate Action**....

....And, of course make sure they can produce respectable NDC, BUR, NC reports etc..



Build the centres of excellence

Environment and Climate
Regional Accession Network **ECRAN**

- A **common clear combined approach** for Transparency (Mitigation, Adaptation, Support). Maximise the effectiveness of local teams with limited resources.
 - Mitigation trends & action (Emissions/Removals)
 - Adaptation: climate monitoring, risks, impacts, action
 - Support and technology transfer (??)



Environment and Climate
Regional Accession Network **ECRAN**

National System Development

- **There is no one size fits all solution!**
 - Each **National System is different.**
- **Focus on growing local balanced teams and associated data flow**
 - Create the need and interest by showing what you are doing to data suppliers, policy and other decision makers regularly.
 - Strive to bring value, job satisfaction, gender balance, prospects and rewards to those that wish to work in this field.
 - Collaborate: No single team has all the answers.
- **Evolve and formalise your systems so it lasts**
 - Continuous improvement means **you can start simple.**
 - find the skills and justify the resources to deliver efficient highly valued data flows for policy decisions and to inform your stakeholders and the public.
- **Complement the system with the right tools** to make it efficient.
 - **Don't let tools dictate the system!** Bad ones do exist!!
- **Make use of experience and outsiders but don't let them stifle innovation:**
 - There are valuable lessons to learn but **the good, the bad and the ugly all still exist. Learn from them, improve on them..** Don't repeat them..

This workshop

- Enhance a set of country plans for National System improvement.
 - Long Term: Compliance with MMR
 - Short term: Permanent National System
 - **Results & ACTIVITIES**
 - Result 1: Functioning Institutional Arrangements:
 - Result 2: Building a team:
 - Result 3: Data Supply security:
 - Result 4: Delivering a quality and effective GHG inventory.
 - Result 5: Marketing the inventory:

Status of National System Plans “Homework”

Status of Country Plans for NS Improvement March 2016						
	Results/Activity	Result 1: Functioning Institutional	Result 2: Building a team:	Result 3: Data Supply security:	Result 4: Delivering a quality and effective GHG inventory.	Result 5: Marketing the inventory:
ALBANIA	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided
Bosnia & Herzegovina	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided
KOSOVO	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Planned Activity	Provided	Provided	Provided	Provided	Provided
MONTENEGRO	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided
REPUBLIC OF MACEDONIA	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided
SERBIA	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided
TURKEY	3_Result	Provided	Provided	Provided	Provided	Provided
	4_Required Activity	Not Provided	Not Provided	Not Provided	Not Provided	Not Provided

- Country support Projects:
 - Only Serbia and Macedonia provided one project each.
 - There are many more we should list.

Now Focus on Results & Activities

Review “Results”

Add “Activity”

Result 1: Functioning Institutional Arrangements

- **Suggested Activities:**
 - Draw and consult on NS structure
 - Create a National System document.
 - Document and agree roles and responsibilities (including the support of NC, BUR and NDC).
 - List & engage with Stakeholders.
 - Create the mandate for the compilation and reporting with laws.
 - Supported Peer review of NS.
 - Legal arrangements for data supply and analysis

Result 2: Building a team:

- **Suggested Activities:**
 - Assign team roles and responsibilities (Sector experts, co-ordinator, QA/QC, peer review).
 - Recruitment, mentoring & training plan.
 - Activity and management plans for a sustainable team.
 - Approach to “buy-in” or use external support.

Result 3: Data Supply Security:

- **Suggested Activities:**
 - List/Register of datasets and data supply stakeholders.
 - Development of data supply agreements (DSAs) (including QA/QC and uncertainty elements).
 - Laws to guarantee data supply for GHG estimation.
 - Development of statistics or Country Specific data.
 - Archiving system.

Result 4: Delivering a quality and effective GHG inventory:

- **Suggested Activities:**
 - Produce CRF tables (Excel/xml). Engage in a supported peer/bilateral review.
 - Produce an NIR or set of method statements.
 - Improve data management (e.g. database system).
 - Key 2006 IPCC method development & data collection (by sector).
 - Develop QA/QC tools and systems and processes.

Result 5: Marketing the inventory:

- **Suggested Activities:**
 - Outreach for use of GHG estimates by policy makers.
 - Publication of the data in user friendly forms.
 - Generate indicators and factsheets.
 - Actively engage with and support BUR, NC, NDC and Policies and Measures activities.

Next Steps

From 8-9 March 2016

Day 1: Report back & Discuss

Day 2: Develop Plans (list of activities)

After Workshop: Elaborate project ideas and implement activities.

Tools to help

- Online tool for ECRAN National Systems
 - Knowledge Sharing Portal
https://aetherltd.sharepoint.com/sites/ECRAN-WG2/_layouts/15/start.aspx#/
 - Country National Systems Portals
<https://aetherltd.sharepoint.com/sites/ECRAN-WG2/NSTemplate/default.aspx>
- Offline tools
 - Templates and outline documents

NS Knowledge Sharing Portal

BROWSEPAGE

SHAREFOLLOWEDIT

ECRAN

ECRAN Working Group 2National System: Country XEDIT LINKS

GHG estimation National System development: ECRAN-WG2

Search this site

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Country Details

Objectives and Activities

Other Support Projects

Country Methods

ECRAN Activities

ECRAN WG2 Workplan

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Environment and Climate Regional Accession Network (ECRAN) WG2: Supporting Albania, Bosnia and Herzegovina, the former Yugoslav Republic of Macedonia, Kosovo^[1], 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](#)

^[1] This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ opinion on the Kosovo declaration of independence.

NS Knowledge Sharing Portal: Country Plans

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EDIT LINKS

ECRAN

ECRAN Working Group 2National System: Country XEDIT LINKS

Country GHG National System Objectives and Target Results

new item or edit this list

SummaryAll itemsFind an item

Item	Country	Item	Type	Description/Activity	Source of Information	Status	Owner/Project	Benefits of activity/output	IPCC Category	Cross Cutting
1	ALBANIA	1. Key objective	1, Long term objective	To ensure compliance with the Marr establish through a fully functioning national system (5 – 10 years)	CRF, NR, supplementary information	Drafted	Unallocated			
2	ALBANIA	2. Immediate objective	2, Short term 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	Transparent national archive of information	Drafted	Unallocated			
3	ALBANIA	Result 3: Functional Institutional Arrangements	3, Result	Functional institutional arrangements: A set of short term institutional building blocks in place to allow future recurring reporting and continuous improvement on GHG mitigation inventories, projections and R&Ms.	IPPC 2013-2020 https://www.integrin.gov.al/documents/instruments-creating-a-pilot-territory-for-integrin-ecran-1415885933page=1	Drafted	Unallocated			
4	Albania	4. Activity	4, Activity	Analysis of institutional arrangements and legal framework for national system.		Drafted	Unallocated			
5	Albania	Result 5: Functional Institutional Arrangements	5, Result	Improve legal framework and institutional arrangements.		Drafted	Unallocated			
6	ALBANIA	Result 6: Building a team	6, Result	Building a team: A team has been built and trained to fit the identified institutional arrangements	Law on Climate Change and the Government Order on establishing NRI system.	Drafted	Unallocated			
7	Albania	Result 7: Building a team	7, Activity	Finalisation of team roles and responsibilities and establish a team of experts with capacity to participate in their own review and checking processes. Presentation of proposals to managers with clear presentation of organisational benefits.		Drafted	Unallocated			
8	ALBANIA	Result 8: Data Supply security	8, Result	Data supply system developed	Government Order on establishing NRI, ECRAN support	Drafted	Unallocated			
9	Albania	Result 9: Data Supply security	9, Activity	Establish Data Supply Agreements or equivalent that can eventually be legally binding.		Drafted	Unallocated			
10	ALBANIA	Result 10: Defining a quality and effective GHG inventory	10, Result	A quality and effective GHG inventory timeseries, for year X to Y - 2	ECRAN support / training project and EU experts in our office	Drafted	Unallocated			
11	ALBANIA	Result 11: Marketing the inventory	11, Result	Increased awareness on advantages and opportunities for the country of a strong inventory framework	workshops/training meetings	Drafted	Unallocated			
12	Bosnia & Herzegovina	1. Key objective	1, Long term objective	To ensure compliance with the Marr establish through a fully functioning national system (5 – 10 years)	CRF, NR, supplementary information	Drafted	Unallocated			

NS Knowledge Sharing Portal: Forum

The screenshot shows the 'GHG National System Forum' page. It features a sidebar with navigation links like 'Home', 'Experts', 'Members', 'Country Details', and 'ECRAN Activities'. The main content area includes an 'Introduction' section, a 'Questions and Solutions' section with a grid of topic tiles (General, Energy, IPPU, Agriculture, LULUCF, Waste, Reporting), and a 'Guidance' section. A right-hand sidebar contains 'Community tools' and 'What's happening'.

Country National System Portal

The screenshot displays the 'National System: Country X' portal. It includes a sidebar with navigation options such as 'National System', 'Requirements', 'Documents', and 'Tools'. The main content area is divided into sections for 'National System Structure', 'GHG National System', and 'GHG emissions Data'. The 'GHG emissions Data' section features a bar chart titled 'GHG estimates CO2 Eq Gg' and a table below it. A red box highlights the 'GHG emissions Data' section.

- QA/QC activities
- Improvements
- Templates
- Methods
- Stakeholders
- Team discussion
- Data sources
- Archive
- Outputs/Results

Access to the tools

- 2-3 Country Experts who will act as focal point for NS activities.
 - E-mail and login to ECRAN National System Portal
 - Local Expert given access already

Thank you

Lets work !!

ECRAN WG2 National Systems

Day 2
9th March 2016



Environment and Climate Regional Accession Network (ECRAN) WG2: Supporting Albania, Bosnia and Herzegovina, the former Yugoslav Republic of Macedonia, Kosovo¹, Montenegro, Serbia and Turkey with National Systems development for GHG inventory compilation and reporting to a standard suitable for EU Monitoring Mechanism Regulation reporting.

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Tools for National Systems

- Result 1 & 2.
 - Key experts on UNFCCC [RoE](#) via the [NFPs](#)
 - Attend available EIONET EEA meetings.
 - Management Framework template... (PDF)
 - [National System Portal:](#)
 - [ECRAN WG2 forum..](#)
- Result 3:
 - National System Portal [stakeholders](#) & [datasets](#)
 - Data supply agreement template (Word doc)

Tools for National Systems

- Result 4:
 - QA/QC tool: Excel system..
 - QAQC Plan and activities: <https://aetherltd.sharepoint.com/sites/ECRAN-WG2/NSTemplate/default.aspx>
 - Databases & structures.
 - NIR guidance and template for method statements:
https://aetherltd.sharepoint.com/sites/ECRAN-WG2/NSTemplate/_layouts/15/start.aspx#/2015%20Methodology/Forms/AllItems.aspx#InplviewHash8acf66ea-cffd-4b2b-b61f-a2facf91f400=
- Result 5:
 - Infographics:
 - <http://www.aether-uk.com/jersey-greenhouse-gas-inventory>
 - <http://www.aether-uk.com/portfolio/infographics-2/da-ghg-emissions/devolved-administrations-greenhouse-gas-emissions/>
 - <http://www.aether-uk.com/portfolio/infographics-2/GHG-analysis/national-greenhouse-gas-inventory-analysis/>

Log-frame system

- 1_Long Term: Compliance with MMR
- 2_Short term: Permanent National System
- 3_Results
 - Result 1: Functioning Institutional Arrangements:
 - 4_Activity 1: Target result, Description, Sequence, means, Benefit, Completion, Effort, External support needed, links.
 - 4_Activity 2
 - 4_Activity 3
 -
 - Result 2: Building a team:
 - 4_Activity 1
 - 4_Activity 2
 -
 - Result 3: Data Supply security:
 - Result 4: Delivering a quality and effective GHG inventory.
 - Result 5: Marketing the inventory:

4_Activity 1: Target result, Description, Sequence, Priority, means, Benefit, Completion, Effort, External support needed, links.

Day 2: Breakout Group Activities

- Small groups
 - Country Expert/Lead & Local ECRAN expert.
- Task 1: Add Activities for each of the 5 results.
- Task 2: Review results and update the indicator and information source used from the indicator.
- Use this [link](#) and use the [list of possible activities to help](#).

Groups

- Suvi
 - Montenegro, Albania
- Tinus
 - Bosnia & Herzegovina
- Juanjo
 - Kosovo, Macedonia
- Detelina
 - Serbia, Croatia, Turkey