

# EEA Mandates under the MMR and the UNFCCC

Justin Goodwin, 14-10-2015

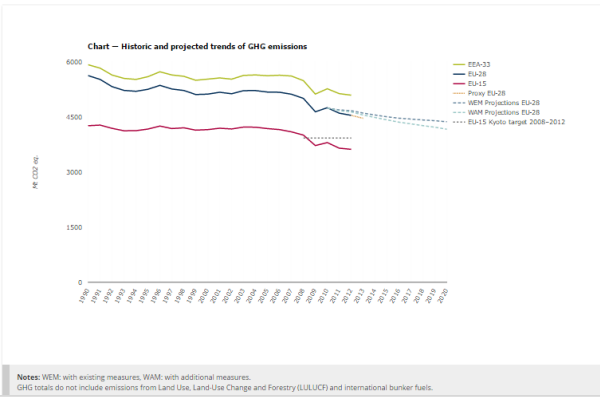
Key messages

- In 2012 EU GHG emissions were 19.2 % below 1990 levels (excluding LULUCF and international aviation). Preliminary estimates for 2013 show a further fall of 80 Mt CO<sub>2</sub> eq. between 2012 and 2013 (20.7 % below 1990 levels).
- Almost all EEA countries are well on track towards achieving its commitments under the first period of the Kyoto Protocol.
- EU-15 average emissions between 2008 and 2012 were 11.8 % below base-year levels.
- In the EU, emissions covered by the Emission Trading System (ETS) between in 2013 were 19 % below 2005 levels.
- In 2013, all EU Member States apart from Germany, Luxembourg and Poland, are considered to be on track to meet their annual targets.
- For six Member States, projections indicate that implementing the additional measures which were in planning stage in 2013 might not be sufficient to reduce GHG emissions below targets by 2020 under the Effort Sharing Decision.

What is the progress in Europe towards international commitments regarding GHG emissions?

Historic and projected trends of GHG emissions

- Chart
- Table



## Monitoring Mechanism Regulation 525/2013 Union Inventory System [Article 6]

- Objective: to ensure **T**TACCC of the Union GHG inventory
- For reporting to UNFCCC



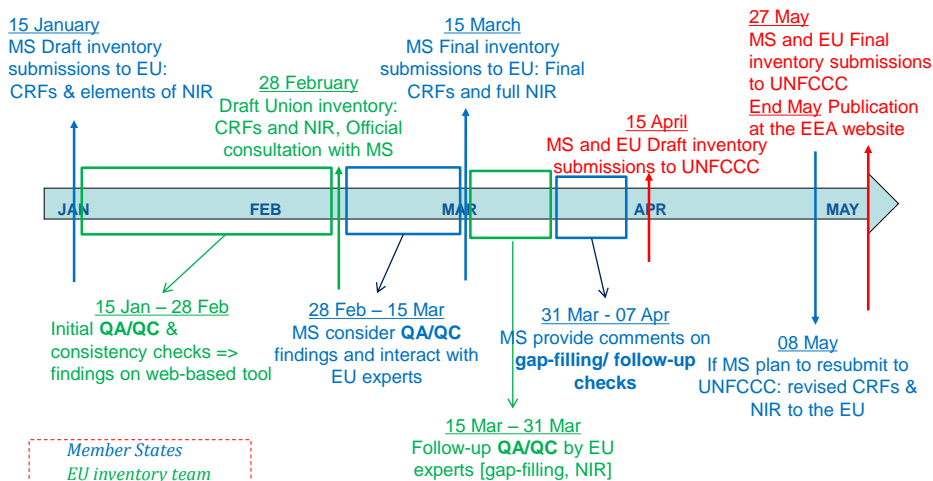
**Effective cooperation/coordination between EU & MS is essential  
for the GHG inventory compilation & review!**

## Who is who in the Union Inventory System

- DG CLIMA <http://ec.europa.eu/clima/> and ...  
European Commission's official submission to UNFCCC on behalf of the EU
- 28 EU Member States! (WG1)  
Full consistency between the EU GHG inventory and MS GHG national inventories
- European Environment Agency <http://www.eea.europa.eu/>  
**'Inventory Agency'**: Coordination role in compilation & implementation of QA/QC Programme (including Union reviews)
  - European Topic Centre on Air and Climate Mitigation (ETC/ACM)  
<http://acm.eionet.europa.eu/>  
➤ technical compilation Energy, IPPU and Waste expertise & QA/QC
  - DG Joint Research Centre <http://ec.europa.eu/dgs/jrc/>  
➤ Agriculture and LULUCF
  - DG Eurostat <http://ec.europa.eu/eurostat>  
IPCC reference approach for CO2 emissions from fossil fuel combustion

**MS coordinate with national agencies; EU coordinates with 28 MS!**

## The annual process of the Union inventory preparation



## Annual Improvement plan

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- Closely connected to
  - the results of QA/QC procedures
  - the issues identified in the UNFCCC reviews (Union inventory, MSs inventories)
  - the fulfilment of the specific quality objectives
  - Union's KCA and Uncertainty assessment
  - the implementation of the previous IP
- Discussed in WG1 meetings
- Addressed during the Union GHG inventory compilation

## Documentation & Archiving (1)

### ➤ EEA's Central Data Repository (CDR)

- ✓ Envelope: 'Greenhouse gas Monitoring Mechanism Regulation (MMR)
- ✓ Stored in EEA's servers
- ✓ Nominated users can upload
- ✓ Public, traceable information
- ✓ Regular back-ups

## Documentation & Archiving (2)

The screenshot shows the EIONET Central Data Repository (CDR) website. The main header is "EIONET Central Data Repository". Below it, there are navigation tabs: SERVICES, REPORTNET, TOOLS, and TOPICS (ETOS). The current page is "Greenhouse gas Monitoring Mechanism Regulation (MMR)".

On the left side, there is a "Navigation" menu with links: Search by obligation, Search XML files, Search for feedback, Global worklist, Notifications, and Help. Below that is an "Account Services" section with links: I have and lost my password.

The main content area is titled "Greenhouse gas Monitoring Mechanism Regulation (MMR)". It includes an "Overview" section with a list of "Obligation(s)" and their corresponding documents. A red arrow points from the "NIR CRF Other stuff" text to the "Greenhouse gas inventories (UNFCCC)" link in the list.

Below the "Obligation(s)" section, there is a table titled "Envelopes and subcollections" with columns for the document name and the date.

Document Name	Date
Art. 04, 13 & 14 - Low-carbon development strategy, policies and measures, projections	04 Aug 2015
Art. 06 & 07 and UNFCCC - Greenhouse gas inventories	04 Aug 2015
Art. 08 - Approximated greenhouse gas inventories	31 Jul 2015
Art. 15 - National adaptation actions	10 Jul 2015
Art. 16 - Financial and technology support provided to developing countries	30 Sep 2015
Art. 17 - Use of auctioning revenue and project credits	27 Jul 2015
Art. 18 - Biennial reports and national communications	10 Jul 2015
Art. 22 - Kyoto true-up period reports	10 Jul 2015
LULUCF Decision and Impl. Reg. Chapter IV	10 Jul 2015

# National Systems Requirements

Justin Goodwin, 14-10-2015



This Project is funded by the European Union



Project implemented by Human Dynamics  
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## Overview

- What is a national system?
- National System Activities & Building Blocks
- Why have a national system?
  - MMR reporting requirements
- Lessons learned

## What is a National System?



## What is a National “Inventory” System

A team of organisations (people), available resources and agreed processes and tools focussed on efficiently and repeatedly:

- **Estimating & reporting** GHGs of timely & “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.

It is one of the foundations for MRV

## National System: Activities

- Collecting data, estimating emissions/removals, reporting & archiving.
  - Using appropriate and reliable methods & data (e.g. official statistics and country specific EFs/research, 2006 IPCC).
  - Applying expert judgement
  - Using tools for analysis, aggregation, QA/QC & archiving.
- Quality and continuous improvement.
  - Understanding weaknesses and prioritising improvement.
  - QA/QC plan, quality objectives, implementation and documentation.
    - General and sector specific
    - verification of the inventory data
    - engaging with and responding to reviews (consultation and analysis)

## National System: Activities

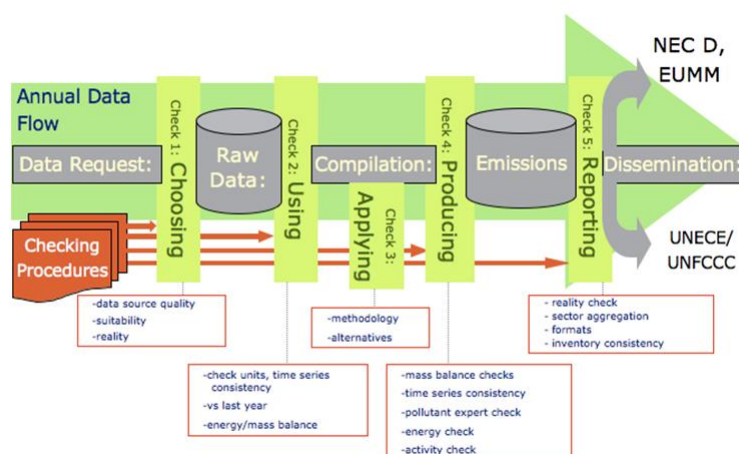
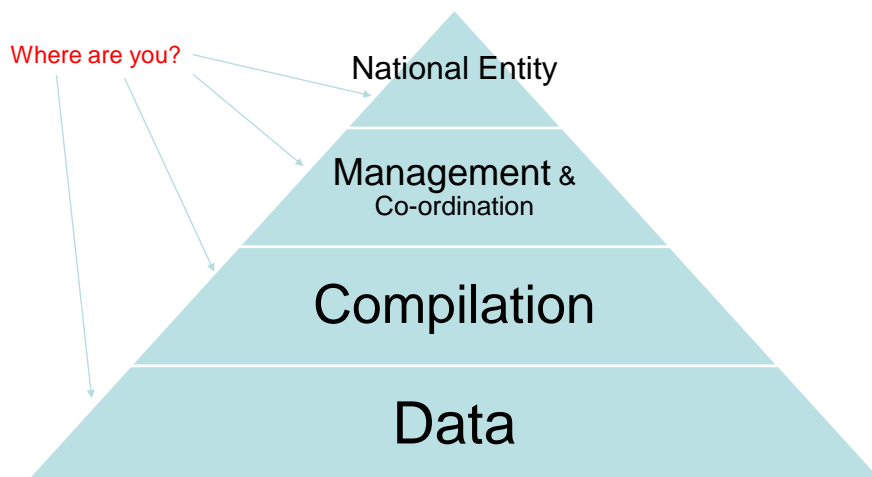


Figure 5 – NAEI Data Flow and QA/QC Checks

## National System: Building Blocks

- A National Entity:
  - Responsible for the outputs
- Management/Co-ordination
  - Co-ordination entity: Finding and retaining the resources, skills & tools needed for a good quality GHG inventory.
    - Establish and maintain the institutional, legal and procedural arrangements
    - Define and allocate specific responsibilities
    - Ensure sufficient capacity for timely performance of the functions
    - Archiving
- Compilation Expertise
  - Co-ordinators to organise the work undertake QA/QC and bring things together on time.
  - Sector experts that understand the data & emitting/removal processes.
  - Strong links to national networks of technical experts and data sources for sector/category.
- Data sources
  - Data owners and suppliers
  - National Statistics

## National System: Building Blocks





# Why National Systems?



## 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)
  - **749/2015 Articles 3 – 19**: Report specific information and formats including descriptions of the National System (Article 6)

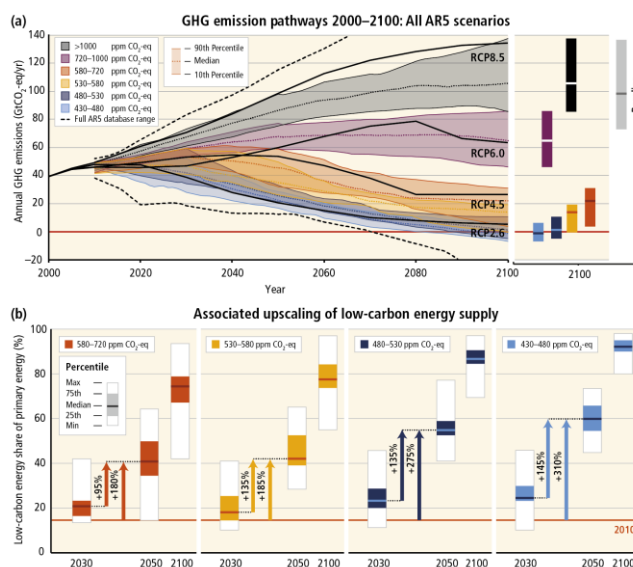
## Why a National System?: 2

- 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**)

## Why a National System?: 3

- To support National Policy and a transition to a low carbon economy.
  - Support INDC decisions.
  - Engaging stakeholders in action
  - Prioritising action (input to NAMA)
  - Highlighting successes

# MMR National System Requirements



## MMR Reporting: **by** the National System

- MMR 749/2014 (Implementing Regulation)
  - Article 3 General rules for reporting greenhouse gas inventories
    - CRF, NIR etc
  - Article 4 Reporting in the **National Inventory Report** or in an annex to the National Inventory Report Annex I
    - Options for how to use the NIR
  - Article 5 Processes for reporting
    - Where to report (EEA CDR)
  - **Article 6 Reporting on national inventory systems**
    - What to report
  - Article 7 Reporting on **consistency** of the reported data on **air pollutants** Annex II
  - Article 8 Reporting on **recalculations** Annex II
  - Article 9 Reporting on implementation of **recommendations and adjustments** Annex IV
  - Article 10 Reporting on **consistency** of reported emissions with data from the **emissions trading scheme** Annex V
  - Article 11 Reporting on **consistency** of the data reported on **fluorinated greenhouse gases**
  - Article 12 Reporting on **consistency** with **energy data** Annex VI
  - Article 13 Reporting on **changes in descriptions of national inventory systems** or registries
  - Article 14 Reporting on **uncertainty** and **completeness** Annex VII
  - Article 16 Reporting on **major changes to methodological descriptions** Annex VIII
  - Article 17 Reporting **approximated greenhouse gas inventories**
  - Article 18 Timescales for cooperation and coordination in preparing the **Union greenhouse gas inventory report**
  - Article 19 Reporting on the determination of the **assigned amount (KP)**

## MMR reporting: **about** the National System

- MMR 749/2014 (Implementing Regulation) Article 6 Reporting on national inventory systems
  - Name and contact information for the national entity
  - Descriptions of:
    - the **roles and responsibilities** for agencies and entities involved.
    - the **procedures for the official consideration and approval** of the inventory
    - Processes & approaches for:
      - collecting activity data,
      - selecting emission factors and methods,
      - developing emission estimates
      - deciding on recalculations
      - Prioritising improvement (e.g. key category identification and uncertainty analysis)
    - Quality assurance and quality control (QA/QC) plan, quality objectives established, implementation and information on internal and external evaluation and review processes and their results in accordance with the guidelines for national systems set out in the Annex to Decision 19/CMP.1;

## Lessons learned



## National System: Lessons Learned 1

- No one size fits all solution.
  - There is no “National System Templates”
  - Every country is unique
  - Systems structure around governance, research and data within that country.
  - Systems can evolve/develop from other existing systems. (see next).

## National System: Lessons Learned 2

- Build on existing activities and share resources:
  - NC, BUR, INDCs (A “top down” opportunity).
  - Twinning and other support projects.
  - Air Pollution inventories.
  - Projections and PAMs (they should start with GHG inventories).
  - NAMA (provides context to specific actions).

## National System: Lessons Learned 3

- National Systems = Opportunity for you..
  - Building teams
  - Learning and improving prospects.
  - Raising profile (Personal & Organisational)
  - Getting resources
  - Making a difference

## National System: Summary

1. Build a team
2. Build a network
3. Start it simple, shape to existing data and governance systems and evolve
4. Always be transparent
5. Be engaging
6. Actively manage quality & resources
7. Keep it flexible

## Workshop Discussion points & questions.

- Vision: What do you want to achieve?
- What could work for you and why?
- What wouldn't work for you and why?
- Milestones: Your next steps and priorities?
- What support is needed?

**Thank you for your attention!**



This Project is funded by the European Union



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# Scoping out a National System: “Management Framework”

<b>1</b>	<b>Introduction .....</b>	<b>3</b>
<b>2</b>	<b>Arguments for GHG inventory production .....</b>	<b>3</b>
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# Management and Co- ordination



# Management and Co-ordination

**Long Term Goal (5-10 yrs)** of high “quality” (TCCCA) MMR reporting

•GHG inventories, Projections, Mitigation Policies (PAMs) and Measures and Adaptation

**You are given full political** support to propose a National GHG inventory System which:

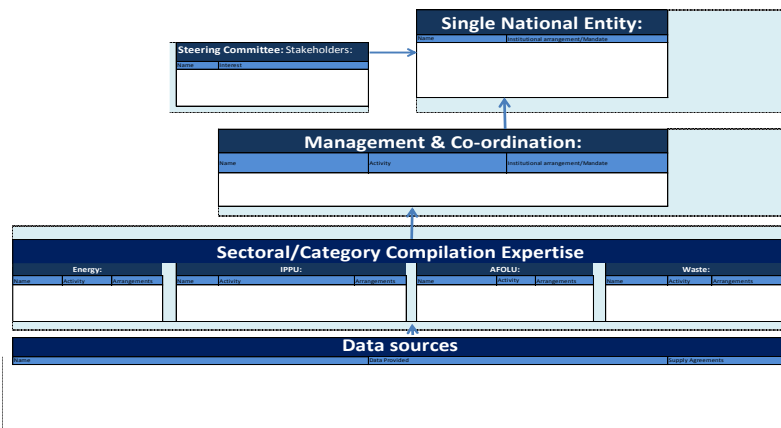
- Focusses on MMR requirements on **GHG inventories (Article 7)** and ensure consistency with the following EU related reporting streams.
  - EU Emissions Trading: (Facilities/Installations GHGs)
  - E-PRTR: Facilities for air, water and land)
  - National Emissions Ceilings and CLRTAP (Air Pollution Emissions)
  - F-Gas reporting
  - EU energy data reporting (National Energy balances)
- Links to MMR Projections, Mitigation PAMS and Adaptation.

**You should use the people in your group to:**

1. Design management structures and
2. present a set of short term goals and barriers for establishing the National GHG inventory System.

## Management and Co-ordination: Management Structure

**1. Management Structure:** Present a single or set of options for an organisational structure for the National System.



1. How could you guarantee participation of the above organisations?
2. How much control do you have over these elements?

# Management and Co-ordination: Short term goals.

2. Short term (next 2 years) goals/plan and barriers: Provide a list of priority products/milestones/activities, why they are important and any barriers.

Short Term Goals		
Output/milestone	Why?	Any Barriers?

- 1. What can be done with existing resources?
- 2. How would you extend resources to make the long term goal possible?

# Management and Co-ordination:

- Group 1:
  - **Bosnia and Herzegovina**
  - Support: Germany, Slovakia
- Group 2:
  - **Albania, Kosovo\***, Turkey
  - Support: UK, Ireland, Estonia
- Group 3:
  - **Montenegro, Serbia**
  - Support: NL, Bulgaria, Croatia

**Bold countries** will draw out systems and list short term goals and report back.  
Other countries will help.

- ☐ Agreed management structure.
- ☐ Getting a legal mandates.
- ☐ Getting wider stakeholder input (Committee).
- ☐ A quality sustainable team in your control (Sectoral/Administrative expertise)
- ☐ Finding and guaranteeing data including confidential data (MOUs)
  - ☐ Data Sharing agreements/MoUs
  - ☐ Existing data flows: e.g. Facility level data flow
  - ☐ Reliable energy balance/Agriculture/other statistics
  - ☐ Country Specific Efs (Tier 2/3 building blocks)
- ☐ Getting and using external expertise (flexibly)
  - ☐ Institutions
  - ☐ Government organisations
  - ☐ Consultants
- ☐ Complete GHG estimates & efficient archive (in any form)
- ☐ Annex I reporting (NIR & CRF)
- ☐ A NIR.
- ☐ Sector estimates to T2/3
- ☐ Key category & Uncertainty analysis
- ☐ Combined AQP and GHG inventory
- ☐ QA/QC Plan, process, tools and improvement systems
- ☐ "Marketing" of the Inventory & getting stakeholder buy-in and understanding of value.

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## Expertise & Data

- Expert team...
- Data flow...

## GHG inventory team

- Management
- Sectoral Expertise
- Other



## GHG compilation team: BOG exercise

- Who would make up your ideal compilation team and why?
  - Manager/Co-ordinator
  - Sector leaders: Energy, IPPU, LULUCF, Agriculture, Waste
  - Other supporting roles: IT, Databases, CRF xml etc..

- |  |
|--|
| <ul style="list-style-type: none"> <li>• We don't have this yet = <b>X</b>;</li> <li>• We know the person/organisation but need to attract them = <b>✓</b></li> <li>• We have it already <b>✓ ✓</b></li> </ul> |
|--|

- How could you make the best use of “external” support?
  - Consultants, UNDP, Institutions, ECRAN, Twinning?
- How would you keep the team functioning and improving over the years?

## Management: Responsibilities

- **Designing & overall delivery of the GHG inventory** estimates; (for final sign off by the SNE);
- Possibly: Secretariat to the Steering Committee providing material and insights to the SC;
- Co-ordination with the SNE to maintain & improve the functioning of the National Inventory System (NIS) including resources, data supply, expertise and stakeholder engagement;
- Support the SNE in **selecting & inspiring the sectoral expertise** needed for the GHG inventory compilation and regular review;
- Managing the **Improvement Plan** and informing the SNE and SC of priorities in relation to the improvement of quality and feedback from reviews;
- Manage the **scheduling of tasks and responsibilities** for delivery of GHG inventory data on time and to the required level of quality.
- Elaborate and **maintain and communicate a QA/QC plan** including defining QA/QC requirements for sectoral experts and data providers and implementation of general QA/QC activities to ensure quality of the GHG outputs;
- Ensuring that the requirements of the **QA/QC plan are implemented** and keeping documented evidence;
- **Manage data supply** and contribute the drafting of technical schedules to Data Supply Agreements and Memorandum of Understandings between the SNE and data provider;
- **Data management** including data acquisition, processing, compilation, checking and storage of data and descriptions (archiving) and delivery of GHG reports and datasets to time and quality.

## Management: Attributes

- Good project/programme management;
- Understanding of what the Ministry/SNE/NFP wants
- Science/engineering background with an understanding of research approaches and quality management and continuous improvement;
- Interest and ability to analyse and manipulate data (in spreadsheets, databases);
- Ability to attract and draw in expertise and build & keep teams;
- Good communication skills;
- Authorised to handle confidential data and require suitable training and security clearances.

## Sector Experts: Responsibilities

- **Producing GHG estimates** to the timescales agreed **of an agreed quality** (TCCCA) using appropriate methods data sources and assumptions;
- Providing **transparent descriptions** in underlying calculation files and GHG inventory reports of methods, data sources and assumptions;
- Contributing to the **prioritisation of improvements** lead by the manager.
- Understanding and **communicating the level of uncertainty** in the estimates to enable the GHG management team and the SNE to prioritise improvements;
- **Implementing agreed improvements** & documenting changes and justification for improvements;
- Applying **sector specific QA/QC**;
- **Supporting any peer review activities** with clarifications of methods, data sources and assumptions used for GHG estimates;
- Providing **input on data requirements** for the drafting of any Data Supply Agreements being developed by the SNE and GHG management team;
- Contributing to **efficient data management and the archive** by providing all underlying material for a transparent archive of GHG estimates.

## Sector Experts: Attributes

- Able to work hands on with data (statistics and research) to derive estimates of GHG to suitable quality (according to IPCC guidance).
  - Can work well with spreadsheets/databases and statistical approaches.
- A science background is helpful (e.g. engineers, chemists, physicists)
  - Understanding of mass balances, research approaches, QA/QC,
  - Organised & methodical.
- Understanding of energy, industrial, agricultural and/or waste management processes (& ideally IPCC methods).
- A good understanding of the local datasets and data suppliers.
- Existing relationships with data suppliers.
- Authorised to handle confidential data can be an asset.
- Eager to learn.
- Can work in a team.
- Has potential to mentor.
- AP estimation experience.

## GHG compilation team: BOG exercise

- Who would make up your ideal compilation team and why?
  - Manager/Co-ordinator
  - Sector leaders: Energy, IPPU, LULUCF, Agriculture, Waste
  - Other supporting roles: IT, Databases, CRF xml etc..

- We don't have this yet = **X**;
- We know the person/organisation but need to attract them = **✓**
- We have it already **✓✓**

- How could you make the best use of “external” support?
  - Consultants, UNDP, Institutions, ECRAN, Twinning?
- How would you keep the team functioning and improving over the years?

## Data flow

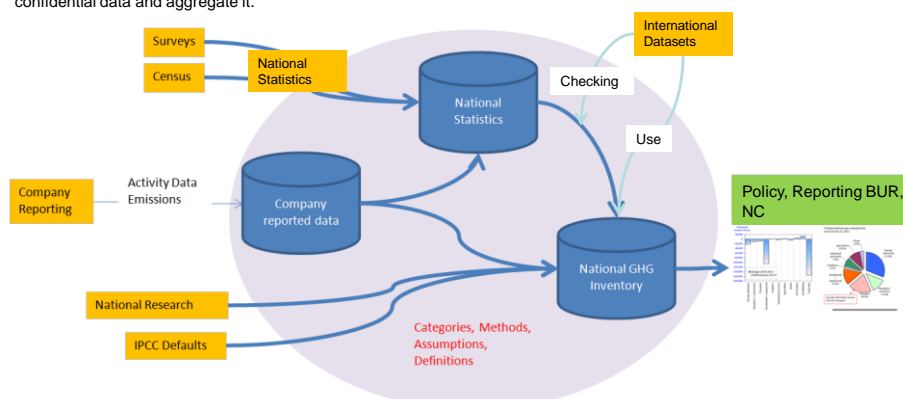


## Data Collection BOG exercise

1. Design a template for a Data Sharing/Supply Agreement/Memorandum of Understanding that would work for the GHG inventory data collection and data provider.
2. List the different types of implementation of the DSA/MOU and any other supporting action needed.
3. Highlight the key advantages of DSA/MOU for the GHG inventory and for the Data supplier.
4. Highlight anything you have already.

### Manage Data Flow

- good quality **company reporting with Activity Data (AD)** is the king!!
- **Get ahead of confidentiality** issues by setting up agreements that are trusted to handle confidential data and aggregate it.



- Able to specify **data requirements for national statistics** (e.g. energy balance, traffic and transport, agriculture)
- Able to **build data supply agreements** between departments;
- Use **company reporting opportunities** to improve quality (e.g. Air Pollution, C trading, NAMAs, CDM projects)



in U	Sub-sector	Data required	Data Sources / Orimulations	Type of agreement
ENERGY	General	1. Official energy balance which includes all fuel and feedstock; 2. Data submitted to the IEA for the above years; 3. Information on fuel consumption by sector; 4. Information on fuel consumption by plant (e.g. for each electricity plant and for each industry) if possible for the above years; 5. Fuel analysis information showing average energy and carbon contents of fuels.		
	Road transport	1. Total gasoline and diesel consumption by the road transport sector; 2. Information on the age profile of vehicles with an indication of which vehicles have been fitted with catalysts 3. Numbers of vehicles.		
TRANSPORT	Shipping	Annual fuel consumption by ships – split into domestic and international.		
	Aviation	1. Total fuel consumption by civil aviation split into domestic and international for the above years; 2. Fuel consumption by international aviation; 3. Fuel consumption by domestic air travel; 4. Fuel consumption by domestic air travel.		
INDUSTRY	General	List of industrial sites.		
	Cement	Annual fuel consumption by type and production and consumption of feedstock.		
INDUSTRY	Individual plants	Production and consumption (feedstock) statistics for important industries (see IPCC 2A1).		
	Production & consumption stats	Production and consumption (feedstock) statistics for important industries (see IPCC 2A1).		
AGRICULTURE	General	1. The numbers of cattle (dairy and non dairy), sheep, goats, horses, mules, asses, swine, poultry and other livestock; 2. Annual use of synthetic fertilizers, annual use of manure, amount of N fixed by crops, amount of crop residues returned to the soil, area of organic soils cultivated annually.		
WASTE	General	1. Solid Waste Disposal: total waste (kg) by type of disposal site or population time series and per capita waste generation + % or quantity of methane recovery and flared for last 20 years; 2. Information on industrial waste water treatment; 3. Information on domestic waste water treatment; 4. Total amounts of waste incinerated and total open-burned waste annually.		
LAND-USE, LAND-USE CHANGE AND FOREST	General	Estimates of initial and final land use areas (million hectares) as well as the total area of land that is unchanged by category for each year of the inventory: <ul style="list-style-type: none"><li>• Forest land (Unmanaged)</li><li>• Forest land (Managed) including the type of tree by age if possible</li><li>• Grassland (Rough grazing)</li><li>• Grassland (Improved)</li><li>• Cropland</li><li>• Wetlands</li><li>• Settlements</li><li>• Other land</li></ul>		

## Data supplier: “Responsibilities”

- Supply data to **agreed scope, format and timeframe**.
- Provision of **transparent background material** describing data sources, methods and assumptions used for data provided;
- Highlighting **confidential** and access should be restricted;
- Communicate the level of **uncertainty** to enable the GHG management team and the SNE undertake uncertainty analysis and prioritise improvements;
- Make **individuals who provided the data available** for Sector Experts to clarify issues if needed;
- Making **suggestions for future improvements** needed including estimates of effort and data needs;
- **Supporting any peer review activities** with clarifications of methods, data sources and assumptions used for GHG estimates;
- **QA/QC of data**, prior to submission to the GHG inventory, to ensure quality;
- **Attendance at Steering Committee** meetings where relevant and appropriate;
- **Notifying the National System of change** when data is due to change/be updated or planned to be discontinued.;

## Data Supplier: Attributes

- We can not influence or change these....
- GHG team has to adapt!!
  - Charm
  - Challenge
  - Add value

## Example content of a DSA/MOU

<p><u>High level paragraphs about the agreement to provide data to the GHG inventory</u></p> <ul style="list-style-type: none"> <li>• Background to the agreement</li> <li>• Who it is between</li> <li>• How it is executed (the department/people responsible and deadlines for data provision)</li> <li>• Any exit clauses</li> <li>• Review of agreement clauses (timing and type of review)</li> <li>• Communication of changes in data and/or requirements clauses</li> <li>• Explanation of penalties (if applicable)</li> <li>• Etc....</li> </ul> <p><u>Signatures</u></p> <p><u>Technical Annex 1: Data (section/table per dataset)</u></p> <ol style="list-style-type: none"> <li>1. Data units (e.g. Ggemissions and activity data (kg/Mth, GWh etc)</li> <li>2. Years (timeseries)</li> <li>3. Categorisation (IPCC categories e.g. 1A1a Power production, 2A1 Cement Production etc. and fuels e.g. coal, gas oil, natural gas etc)</li> <li>4. Geographical scope (e.g. country as a whole, selected large industrial processes or specific regions)</li> <li>5. Expiration (e.g. data update dates)</li> <li>6. Descriptions of methods, assumptions, data sources, QA/QC and uncertainties</li> </ol> <p><u>Technical Annex 2: Data format</u></p> <ol style="list-style-type: none"> <li>1. For example, data to be supplied in spreadsheet according to structure X and emailed to GHG management team and Sector Expert</li> <li>2. For example, documentation to be provided in word or PDF format and emailed to GHG management team and Sector Expert</li> </ol>
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## Data Collection BOG exercise

1. Design a template for a Data Sharing/Supply Agreement/Memorandum of Understanding that would work for the GHG inventory data collection and data provider.
2. List the different types of implementation of the DSA/MOU and any other supporting action needed.
3. Highlight the key advantages of DSA/MOU for the GHG inventory and for the Data supplier.
4. Highlight anything you have already.

## Next steps

- **October 16, 2015 – January 16, 2016:**  
“homework” to implement the easy actions on the list of actions.
- Countries are encouraged to prepare a short national position paper to define the following
  - Plan of action with identification of timelines, and human resources to implement the easy actions on their list of actions.
  - Identification of a project for the more significant actions (for possible future inclusion into IPA proposal follow up).

## Next steps

- We will provide an ECRAN helpdesk.
- Experts: Tinus Pulles, Juanjo Rincon and Suvi Monni
- On the basis of homework received back we will have targeted missions to help

## Next steps

- Later in 2016 homework on MMR (related subject) project fiches
- New Homework supported by our ECRAN senior experts and local experts
- Final workshop wrap-up workshop in June 2016. Consolidation of results.

## Wrap-up

- Questions?