Break-out Group Exercise:
Identifying Data Management Needs to define Registry Architecture

Instructions: Please complete each steps below. After each step, participants will be invited to discuss the responses.

STEP 1: DEFINE THE POLICY OBJECTIVES

1.1 What are the different policy objectives that may require the creation of a register?

1.2 Are there potential synergies or antagonisms between these objectives?

1.3 What type of registry can meet the needs of each objective?

STEP 2: IDENTIFY THE REQUIREMENTS FOR AND CONSTRAINTS TO FULFILL THESE OBJECTIVES

For each case below, identify the main requirements and constraints on suggested areas.

Case 1: Country "A" wants to enhance its annual inventory, reported to the UNFCCC, with facility level data for refineries.

Case 2: Country "B" wants to implement a national cap and trade system on CO_2 emissions on electricity production sector.

Case 3: Country "C" wants to implement NAMA on the cement production sector and track impact on its existing national GHG inventory.

Case 4: Country "D" wants to implement a registry able to track compliance to national regulations on GHG emission levels in industrial facilities emitting more than 25kt CO_2e per year, in order to set a carbon tax.

Areas	Case 1: inventory improvement	Case 2: cap and trade	Case 3: NAMAs	Case 4: support regulations
Data quality and consistency				
Estimation methodologies				
Links/consistency with other programs or scopes				
QA / QC and verification				
Compliance to time constraints				
Data security				
Others?				

STEP 3: SET SPECIFICATIONS TO MEET REQUIREMENTS AND ALLOCATE APPROPRIATE RESSOURCES

From the case studies of step 2, identify the main specifications and possible options of the registry elements, and the resources needed for them in terms of staff, skills, and technologies.

3.1 Monitoring: what data is to be collected and how (i.e. what types of methods are appropriate)

	Specifications on data and estimation methodologies	Resources needed
Case 1 : inventory improvement		
Case 2 : cap and trade		
Case 3 : NAMAs tracking		
Case 4 : support regulations		

3.2 Reporting: what is the appropriate tool to feed the registry (paper, electronic form, online tool…) and what are the procedures for filling it?

	Specifications on reporting tool	Resources needed
Case 1 : inventory improvement		
Case 2 : cap and trade		
Case 3 : NAMAs tracking		
Case 4 : support regulations		

3.3 Verification: what types of verification should be implemented, and to what level?

	Specifications on verification	Resources needed
Case 1 : inventory improvement		
Case 2 : cap and trade		
Case 3 : NAMAs tracking		
Case 4 : support regulations		

3.4 Data management: what are the key elements that need to be developed for the management of data within the registry?

	Specifications on data management	Resources needed
Case 1 : inventory improvement		
Case 2 : cap and trade		
Case 3 : NAMAs tracking		
Case 4 : support regulations		