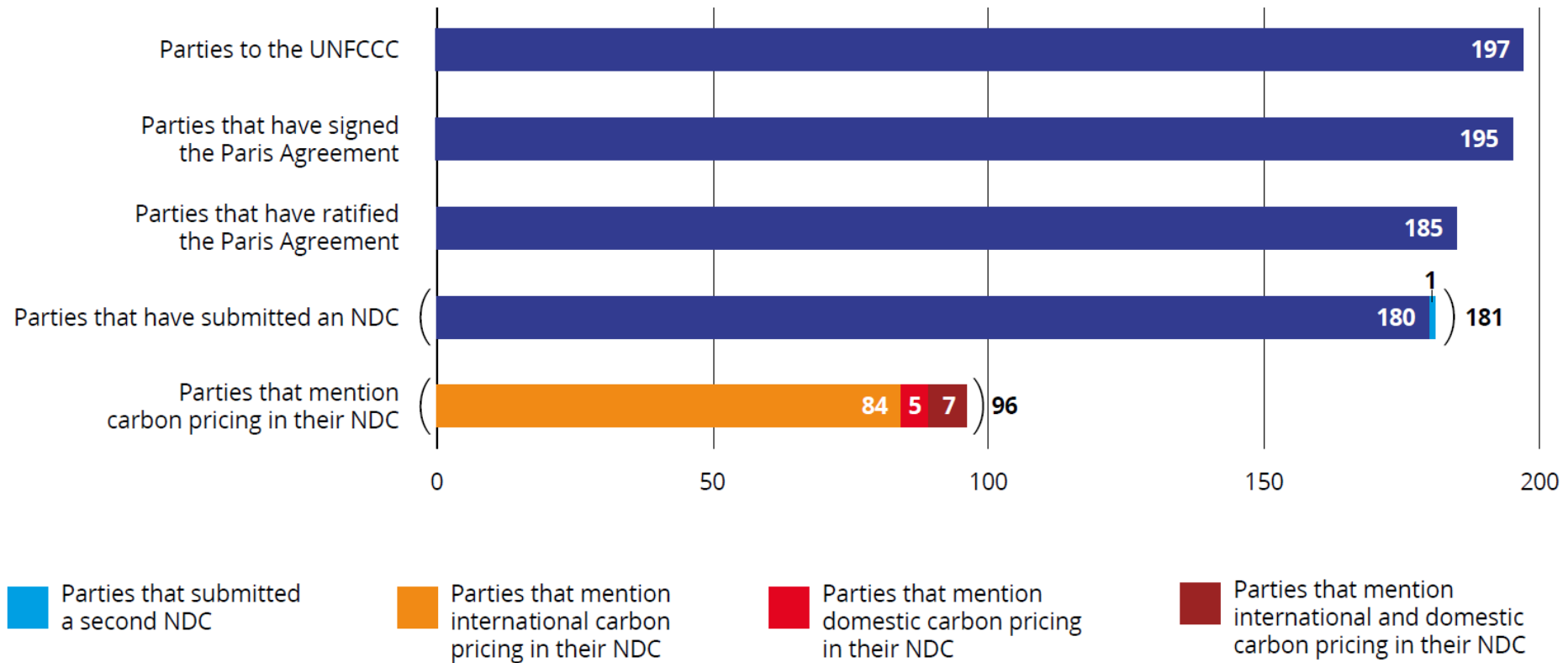


National MRV systems development: Lessons learned and what WB is doing

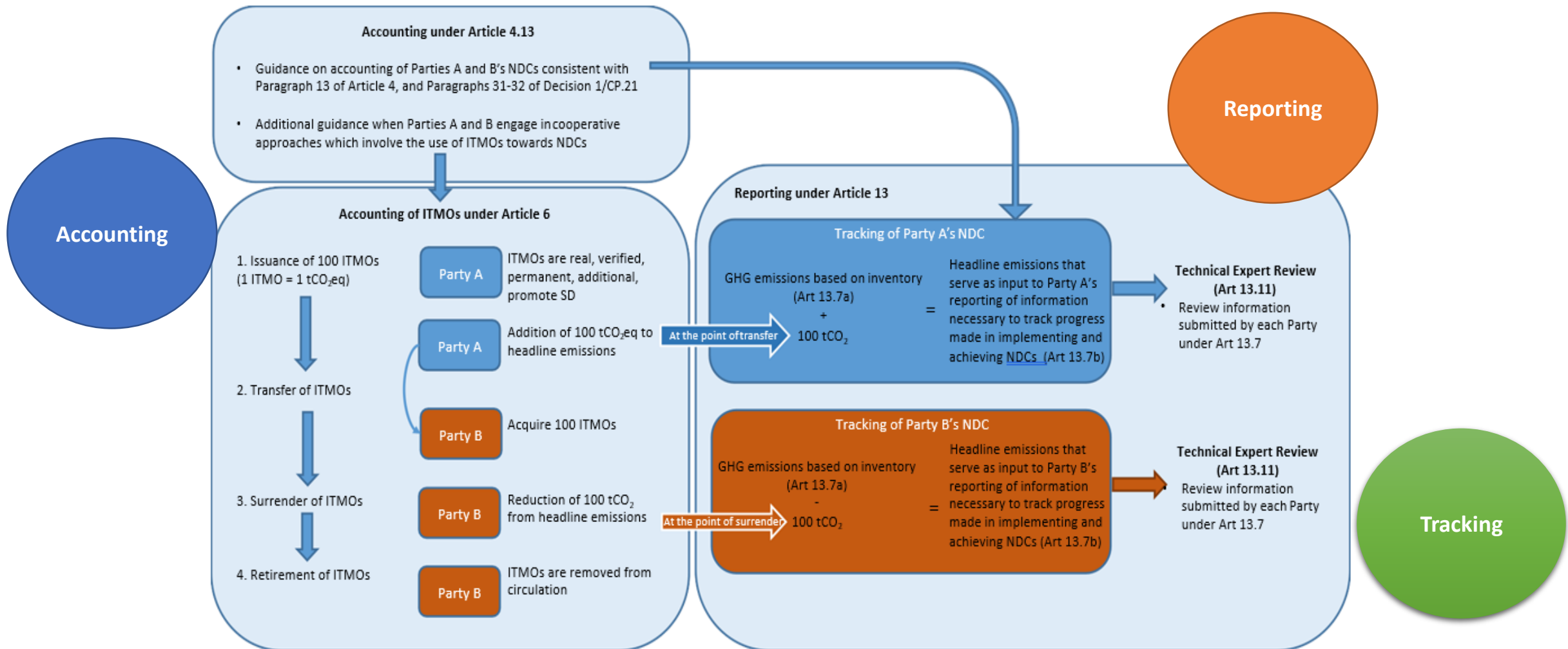
**HARIKUMAR GADDE
WORLD BANK**

AUG 12, 2020

Many countries want to use carbon pricing for meeting their NDCs



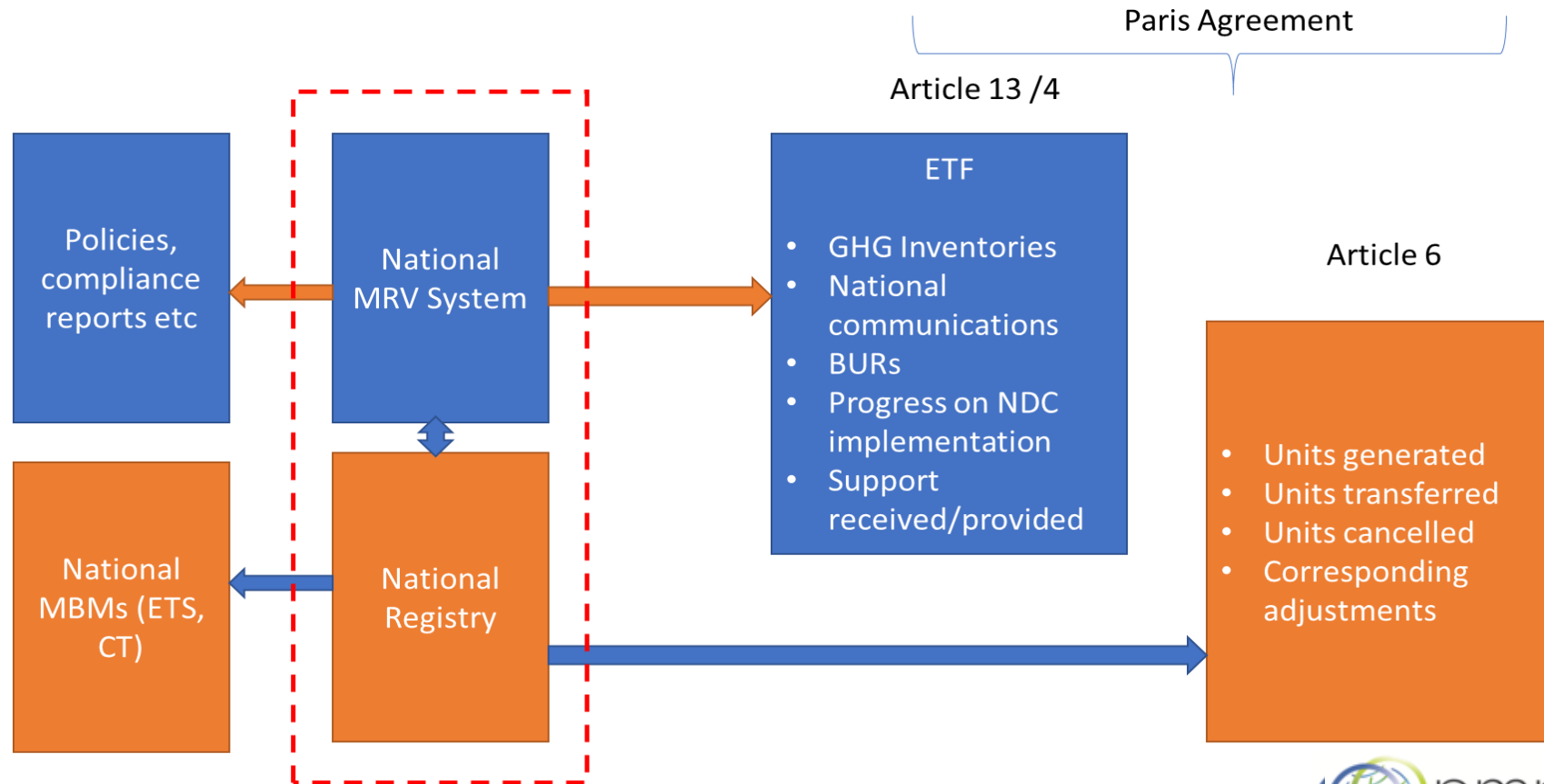
Changing context and changing requirements means countries need to get prepared, *quickly*



..but, countries need an infrastructure that satisfy multiple requirements

DOMESTIC REQUIREMENTS

INTERNATIONAL REQUIREMENTS



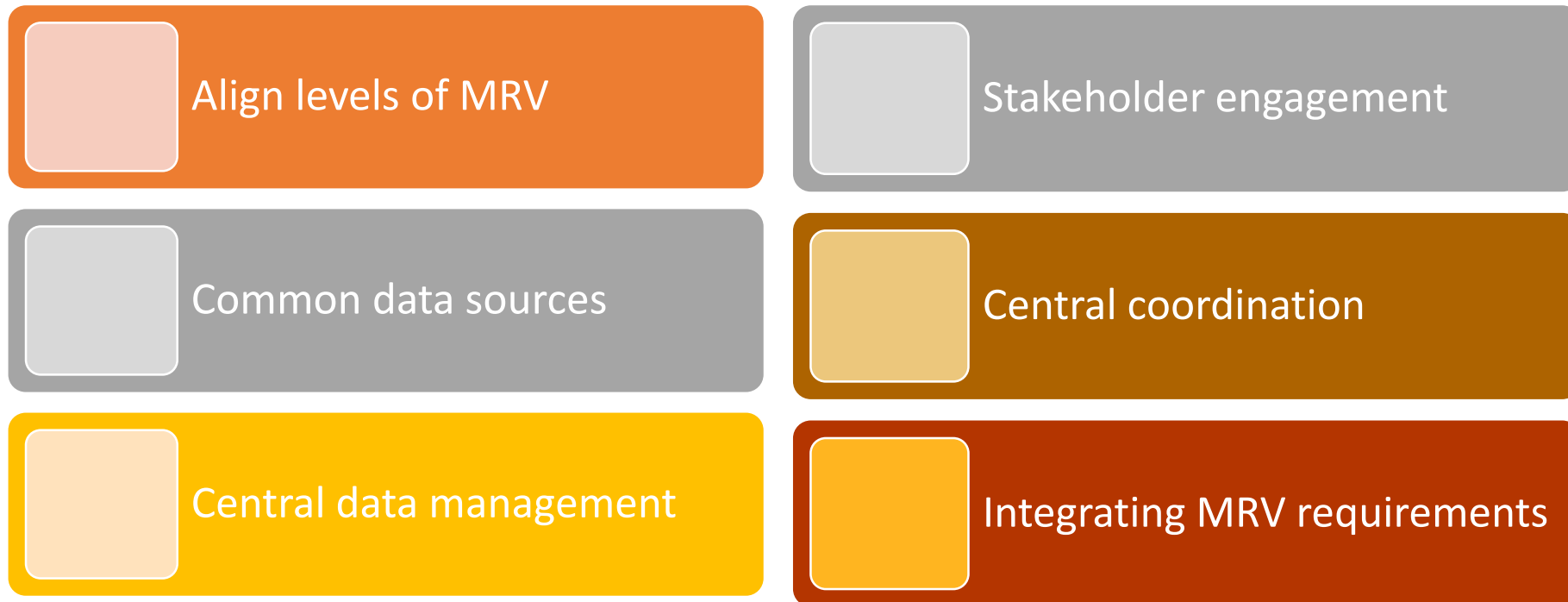
What each country needed is a...

*...Market infrastructure based on a **robust monitoring, reporting and verification system** that relies on a **national registry system** that is configured as a part of **peer-to-peer connected meta-registry system** for tracking of units*

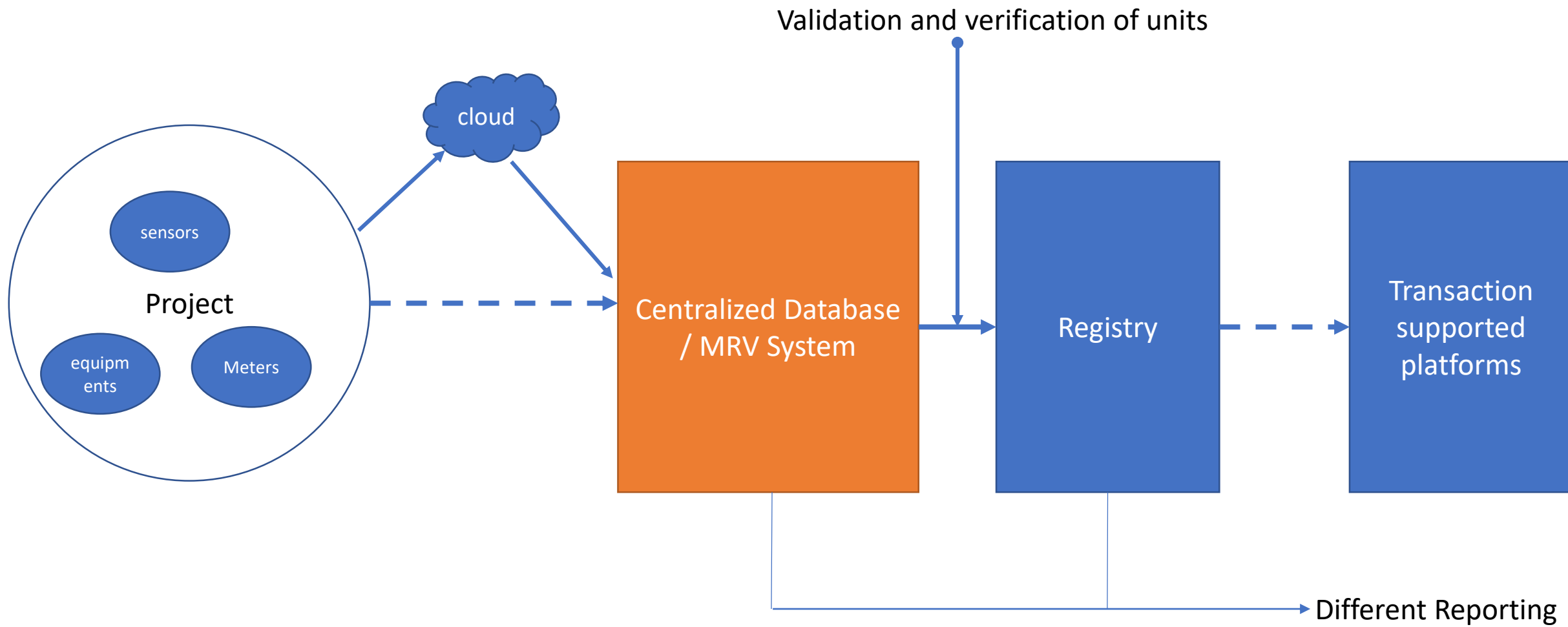
However,

the sophistication of the system for each country ranges significantly; and some countries may choose to link with existing regional/centralized registries rather than building their own

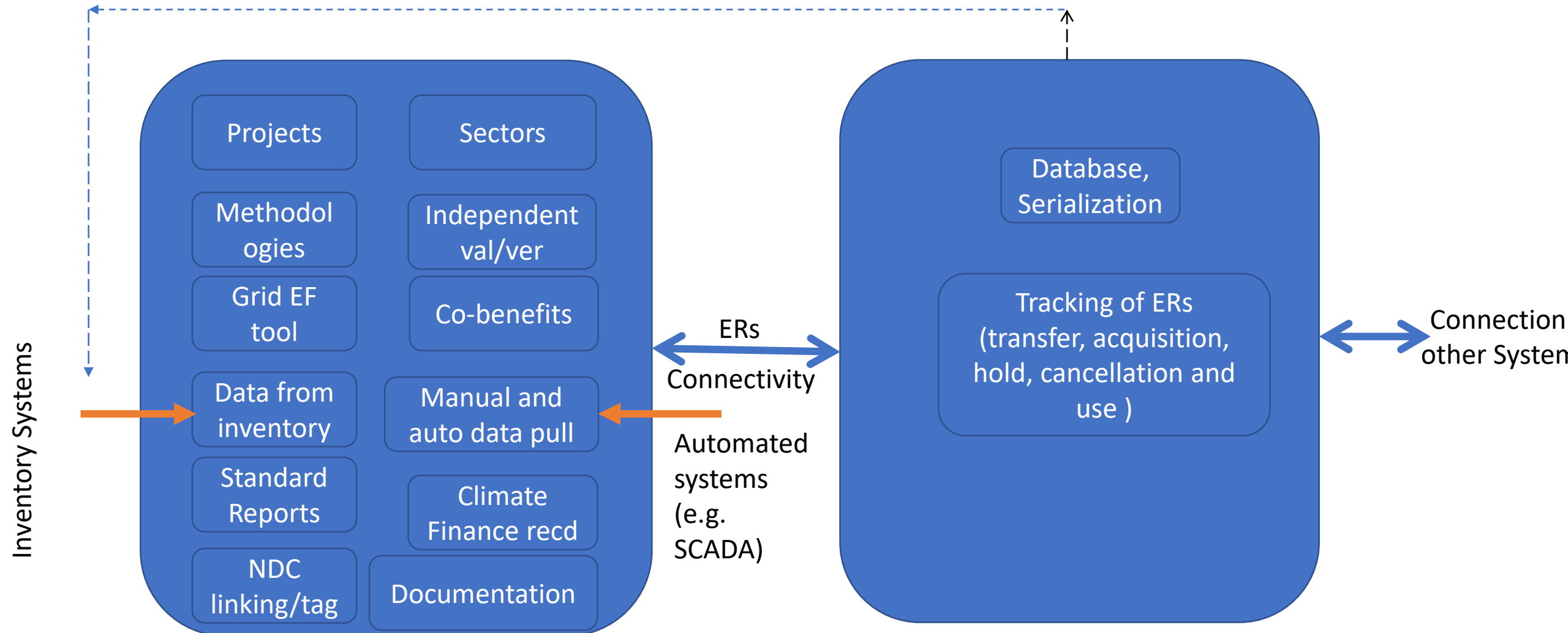
Standardization of MRV is key to help Jordan build a needed infrastructure while overcome issues around data collection, data quality and capacity



Simple Schematic of infrastructure at domestic level



Main Features of WB supported MRV system

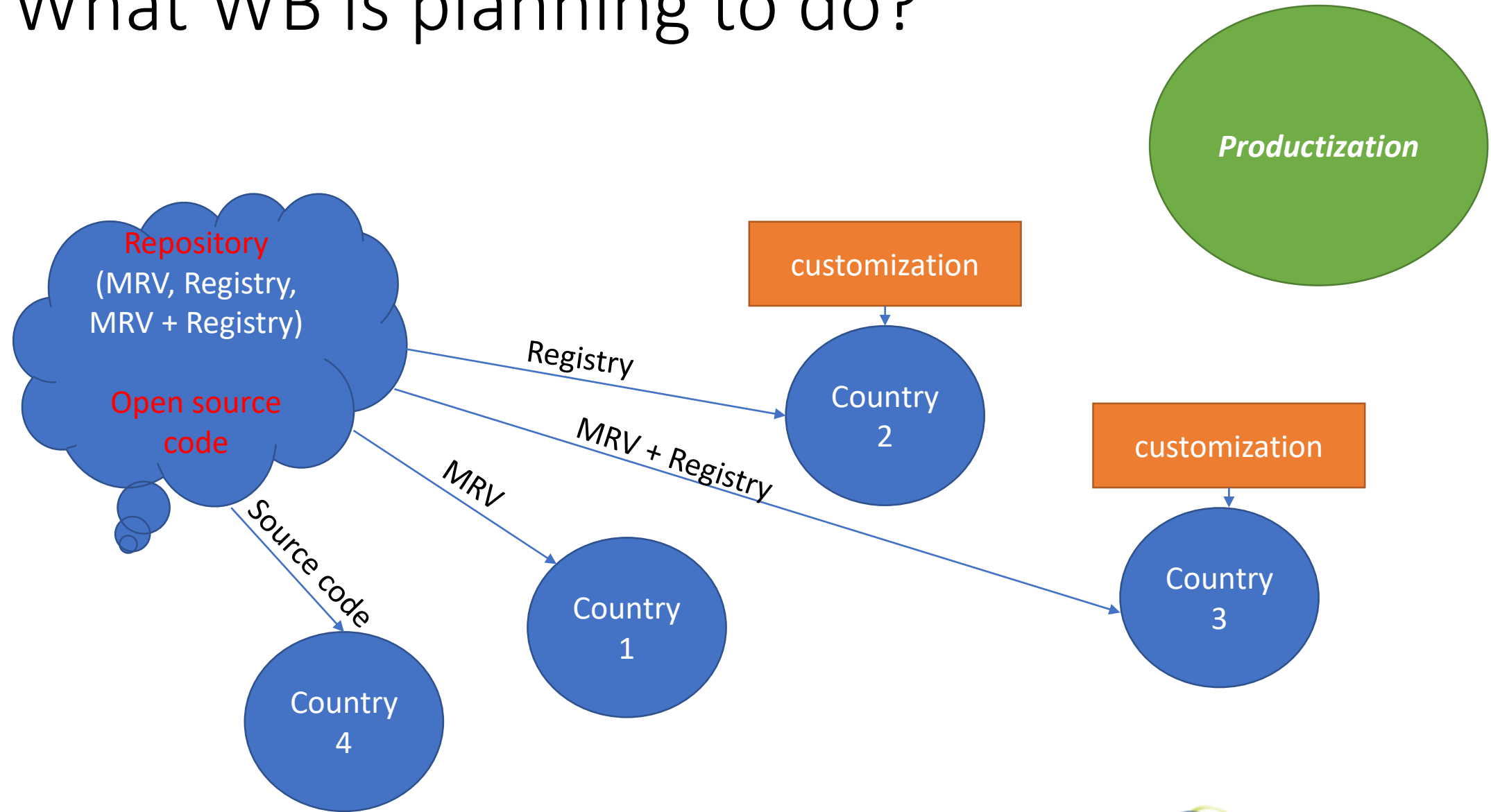


MRV System
(Project, Sector, National)

Registry System

Both will have a 'Public Part' + 'Private Part'

What WB is planning to do?



PMR is already helping many countries build necessary infrastructure, mainly MRV and Registries

This dashboard monitors the progress of each country against its specific objectives.

	CORE TECHNICAL COMPONENTS					SUPPORTING WORK COMPONENTS					DEVELOPING CARBON PRICING			
	MRV	DATA AND REGISTRIES	BENCHMARKING	INSTITUTIONS AND GOVERNANCE	OTHER ¹	GHG INVENTORY	EMISSIONS PROJECTIONS/ NDC DEVELOPMENT	POLICY OPTIONS ASSESSMENT AND/OR POLICY INTERACTION	STAKEHOLDER ENGAGEMENT/ COMMUNICATIONS	OTHER ²	CARBON TAX	ETS	CREDITING	OTHER PRICING INSTRUMENTS
ARGENTINA														
BRAZIL														
CHILE														
CHINA														
COLOMBIA														
COSTA RICA														
CÔTE D'IVOIRE (TP)														
INDIA														
INDONESIA														
JORDAN														
KAZAKHSTAN (TP)														
MEXICO														
MOROCCO														
PANAMA (TP)														
PERU														
THE PHILIPPINES (TP)														
SOUTH AFRICA														
SRI LANKA														
THAILAND														
TUNISIA														
TURKEY														
UKRAINE														
VIETNAM														

■ Preparation (scoping, developing terms of reference, hiring consultants)
 ■ In progress (project has started and is ongoing)
 ■ Completed

¹China: Multi-stakeholder consultations
²Jordan: Work on developing a match-making platform for the private sector is in progress; Vietnam: Preparing for a financial mobilization plan and a mid-term action plan

Lessons learned and key takeaways

- Consider **levels of MRV** needed and **gaps** with existing practices/systems
- **Legal agreements ensure key data collection** from e.g. private sector and other govt. departments
- **Examine and evaluate** continuously the **strengths, opportunities, weaknesses** and **constraints** of the existing system
- Implement **feedback** and issues found by independent reviewers
- Develop an **improvement plan**
- Build **in-house QA/QC procedure** to improve efficiency of verification in terms of cost and time
- **Sustainable capacity building – build teams and tools**
- **Inter-ministerial working group** with all involved ministries
- Need for **piloting**

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