



الْجَمْعِيَّةُ الْعِلْمِيَّةُ الْمَلَكِيَّةُ  
Royal Scientific Society

## 8th Annual Partnership Retreat (APR) 2019 of the Partnership on Transparency in the Paris Agreement

**“Enhanced Transparency Framework: Getting ready for the transition”  
Case of Jordan**

**Beirut- Lebanon  
18-23 Oct. 2019**

# The Royal Scientific Society (RSS)

For Jordan, since 1970

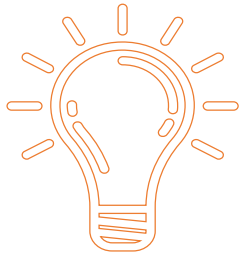
- ❑ **RSS** is an applied research institution that offers consultancy, and technical support services and is considered a regional leader in the fields of science and technology.
- ❑ HRH Princess Sumaya bint El Hassan serves as the President of **RSS** and she is an advocate for science and a catalyst for change in the Arab world.
- ❑ **Water and Environment Centre** consists of five divisions; the Environmental Monitoring and Research Central Unit (EMARCU), the Air Studies Division (ASD), the Climate Change Studies Division (CCD), the Environmental Studies Division (ESD) and the Water Studies Division (WSD).



# Proposed Activities for Smooth Transition



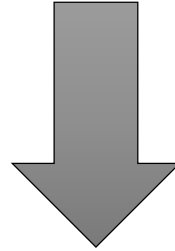
- ❖ Provide technical support to the Ministry of Environment in updating the NDC document and preparing necessary sector-specific tracking information
  - Report on the progress in the implementation of the first NDCs document (outcomes expressed on sector- based)
  - Medium to long-term climate action strategy is prepared in consultation with national stakeholders with a new target suggested.
- ❖ Improve climate data management and build capacities for GHG emission estimation and reduction
- ❖ Prepare a roadmap that supports Jordan's transparency system by building on the existing efforts of the National MRV system



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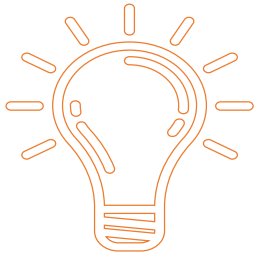
**INDCs submitted on 2015 (COP21)  
(14 % reduction target by 2030)**



**Mitigation and adaptation (73+ measures)**

Energy, transport, waste management industries, water, agriculture and food security, health, sustainable development, biodiversity and protected areas.

**Jordan** has carried out an initial review for NDC and we working on developing an NDC implementation plan and a related financial strategy as well as a capacity building exercise for NDC revision



Improve climate data management and build capacities for  
GHG emission estimation and reduction

Jordan is undergoing a rapid and effective process of enhancing its institutional and policy relevant framework for addressing climate change challenges

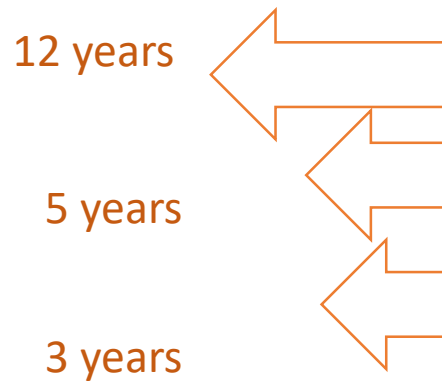


- **The Ministry of Environment** was established in **2003** , the Ministry has become **the focal point** for all international environmental conventions including the United Nations Framework Convention on Climate Change (UNFCCC).
- The Ministry of Environment has created a Directorate for Climate Change in **2014**. The Directorate acts as the institutional hub for coordinating all climate change activities in Jordan in relation to the UNFCCC.
- The **environmental protection law no. 6 of. 2017** (with climate change reference (previously Environment protection law 2006)
- A representative National Climate Change Committee (NCCC) was established in 2001. Members of the committee include many stakeholders directly associated with climate change sectors in Jordan.
- Climate Change By-law 2019. Climate Change National committee – and technical teams (technical focal points convene according to needs).

# Jordan's Reporting



Report	Submission Year	Inventory Year
Initial NC	1997	1994
Second NC	2009	2000
Third NC	2014	2006
First BUR	2017	2010-2012
Fourth NC and Second BUR	Expected 2019-2021	2016-2017



Planning to ask for support to prepare Third BUR- within the cycle before 2024



# The ICA process

6th workshop of the facilitative sharing of views  
during SBI 49  
COP24



"JORDAN'S FIRST BIENNIAL UPDATE REPORT"

FACILITATIVE SHARING OF VIEWS

Poland, Katowice,  
December 3<sup>rd</sup> 2018



The technical analysis of the biennial update report (BUR)  
from Jordan

Skype  
calls

Information  
notes

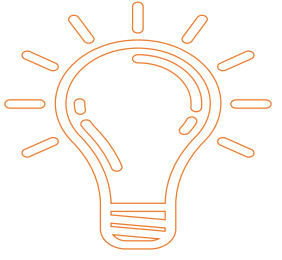
Thematic  
checklist

CB needs  
identified

# Steps to Compile a GHG Emission Inventory

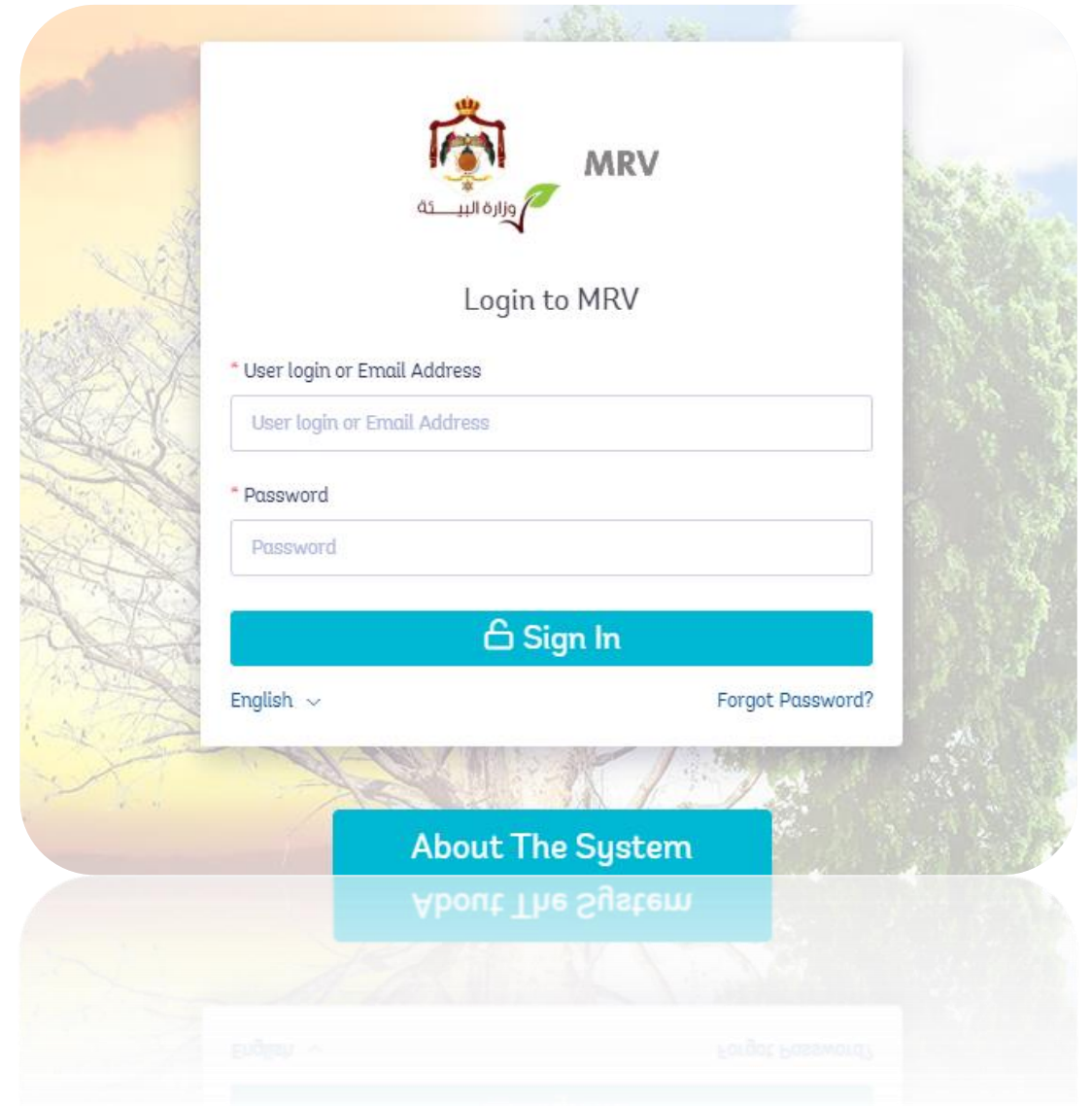
1. **Identify appropriate methods** for estimation, according to ToR and available resources
2. **Collect data**, considering time series consistency, uncertainties, and QA/QC procedures
3. **Estimate emissions and removals**, using the chosen appropriate methodologies
4. *Perform **uncertainty and key-categories analysis**, to identify categories where possible revisions or improvements should be made*
5. Complete final **QA / QC checks**
6. **Report inventory**, with information aggregated according to categories in limited numbers and allowing a synthetic view of the results
7. Arrange for **mandatory or voluntary reviews**



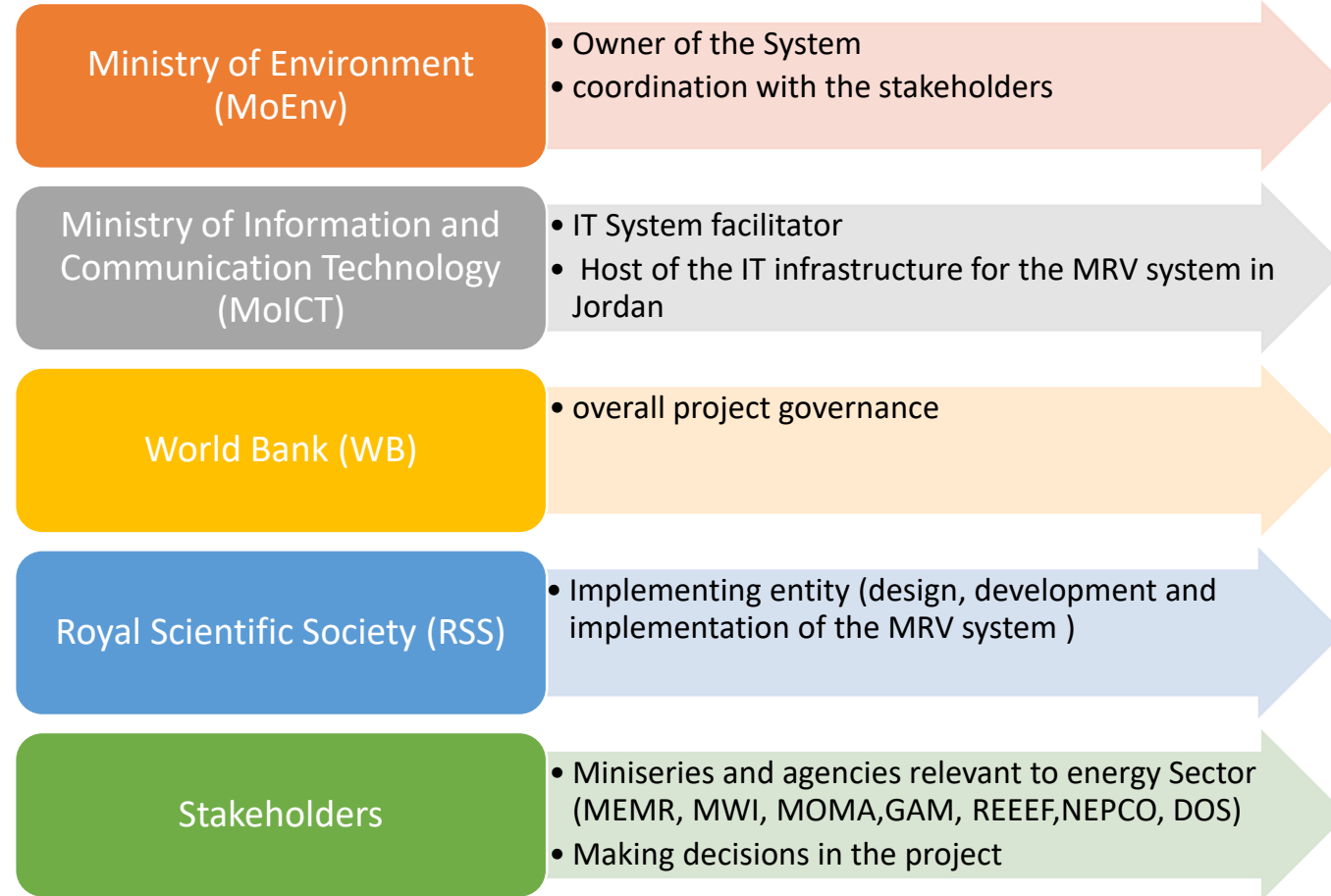


**Prepare a roadmap that supports Jordan's transparency system by building on the existing efforts of the National MRV system**

# Developing multi-level integrated Monitoring, Reporting and Verification (MRV) system for Jordan



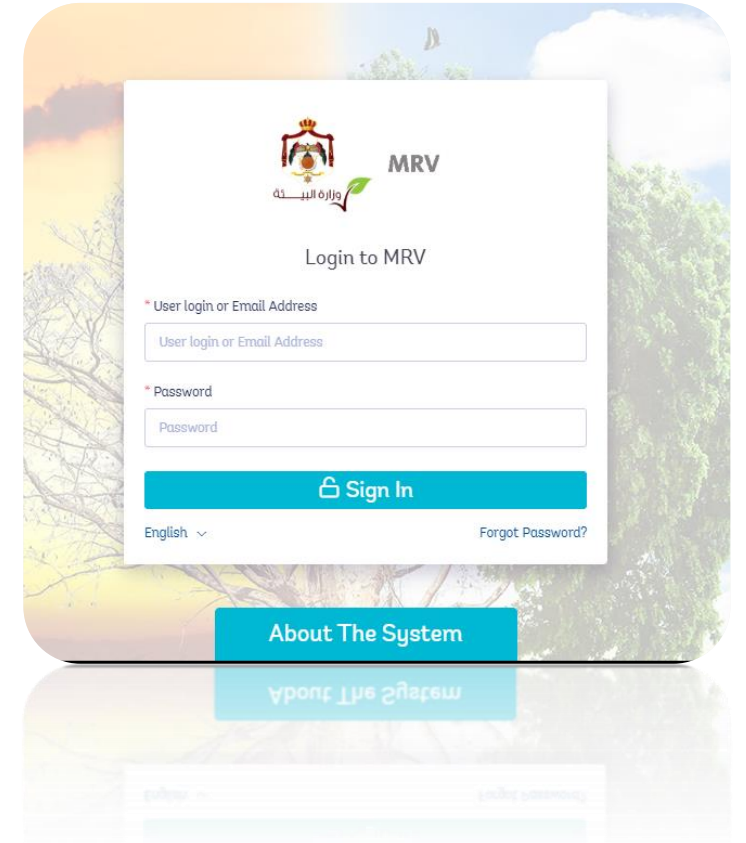
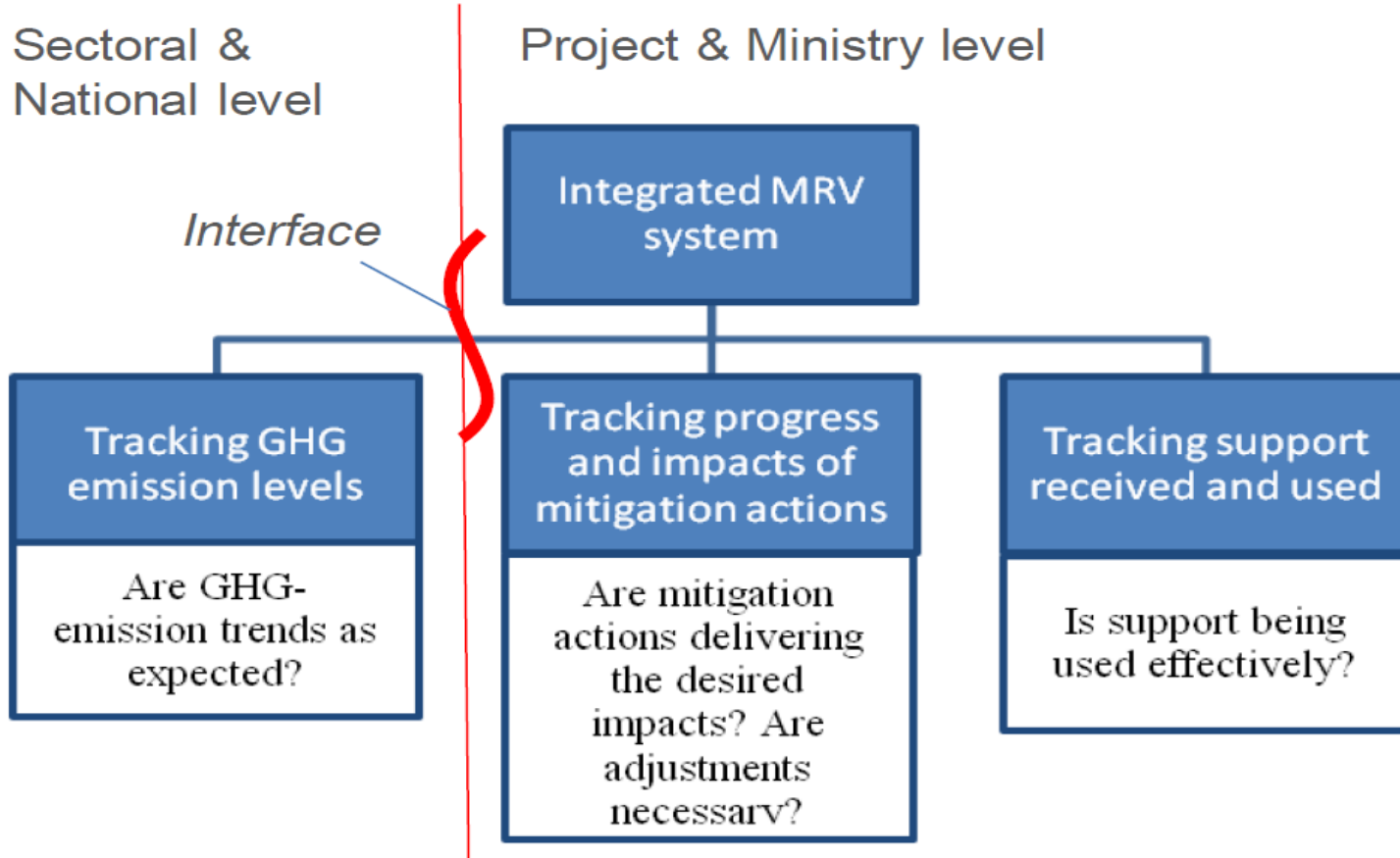
## Project Organizations



# Pillars of the MRV system

Sectoral & National level

Project & Ministry level



[My Dashboard](#)[Projects](#) >[Project Search](#)

## Dashboard

Home - Dashboard

**Number of projects i...**

[View Details](#)

**0**  
**Number of drafts pr...**

[View Details](#)

**0**  
**Number of annual re...**

[View Details](#)

**0**  
**Number of pending ...**

[View Details](#)

### My Projects

#	Project Name	Start Date	End Date
412	RSS SolerPV	03-01-2012	13-02-2037

[View All](#)

### My Draft Projects

#	Project Name	Start Date	End Date
<a href="#">View All</a>			

### My Annual Reports

#	Project Name	Start Date	End Date
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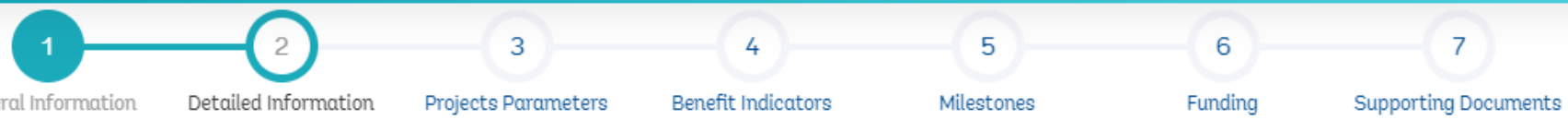
### My Pending Projects

No Pending Projects

- My Dashboard
- Projects
- Add Project**

- Add Project by upload
- Add Project By Data F...
- Draft Projects Search
- Annual Reports

- Project Search

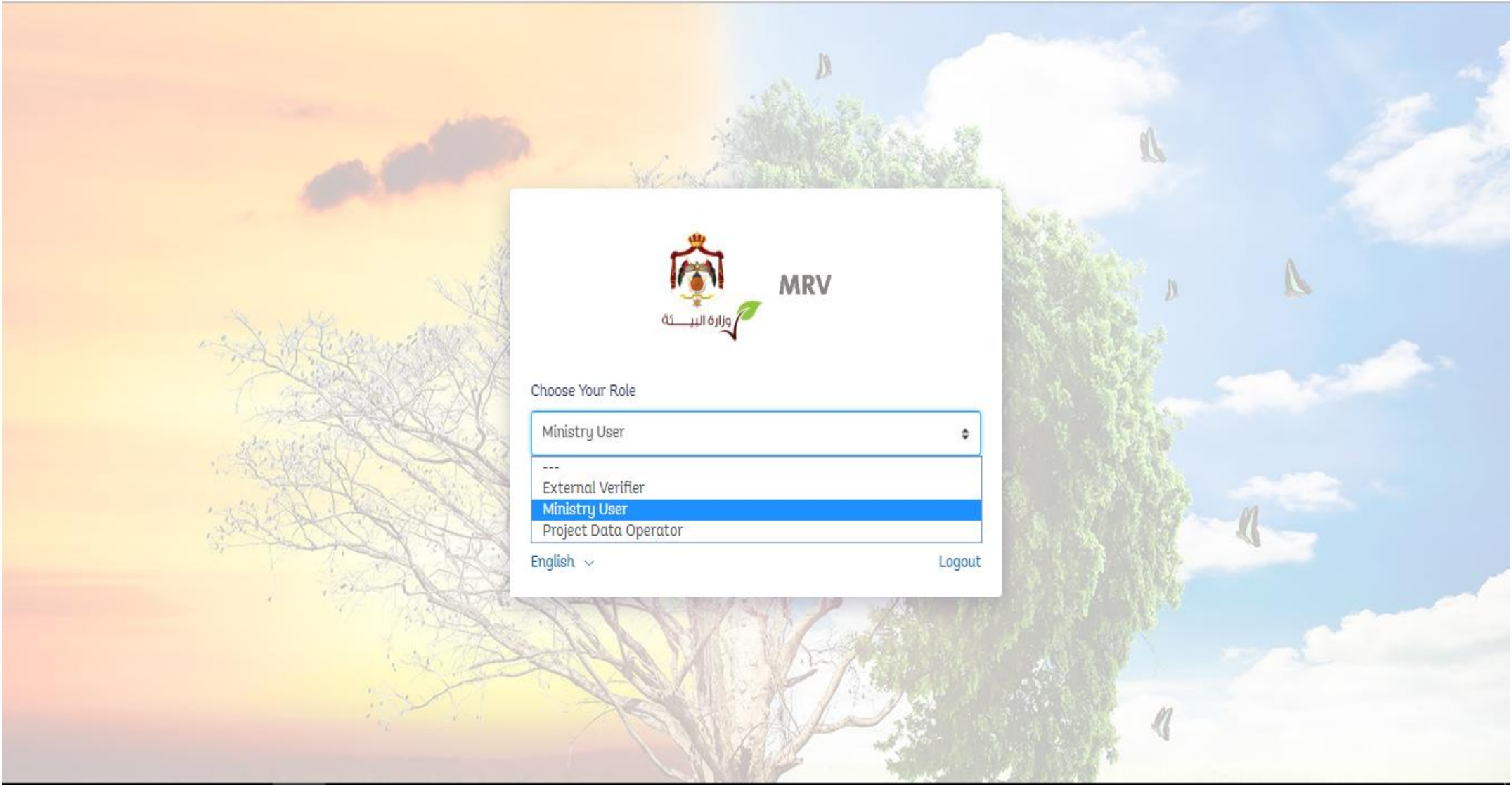


### Detailed Information

* Project Sector	Energy	* Category	Renewable Energy
* Scale	Large Scale - Utility Level-Greater than 15 Mega Watt	* Project Type	Solar PV
* Methodology	Grid-connected electricity generation from renewable sources	Approach	Ex-ante estimation
* Types of consumed energy	<input checked="" type="checkbox"/> Electricity <input type="checkbox"/> Fuel		

Save as Draft & Exit | Save and Previous | Save and Next | Close





MRV

Choose Your Role

Ministry User

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External Verifier

**Ministry User**

Project Data Operator

English ▾

Logout

- My Dashboard
- System Management >
- Ministry Dashboard
- Project Search
- Projects Comparison
- Reporting

## Dashboard

Home - Dashboard

81  
Number of My Projects in Total

[View Details](#)

My Projects

#	Project Name	Start Date	End Date
482	12062019	01-06-2018	29-06-2020
484	13062019_1	15-06-2018	22-06-2020
545	Cement Project	01-01-2001	01-01-2025
521	ddddddddddd	21-06-2019	21-06-2020
477	Name2	10-10-2018	10-10-2019
483	Name2	10-10-2018	10-10-2019

5  
Number of My Pending Projects

[View Details](#)

My Pending Projects

#	Project Name	Start Date	End Date
448	Project Test2602	26-02-2018	28-02-2020
457	testWP_2603	10-10-2013	10-10-2018
422	The scope of the unique database which shall be programmed by RSS for emission	10-10-2018	10-10-2020



MRV

Explore Project...

Pause 00:00:00 Section Area Audio Record Pointer

Hello, Sect1 (MEMR-Sectoral User)

EN

My Dashboard

Project Search

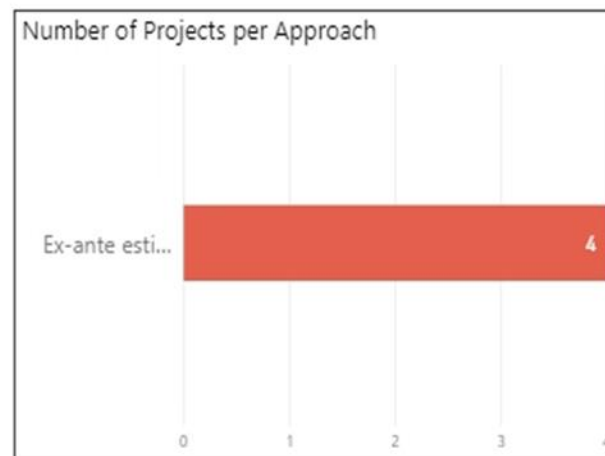
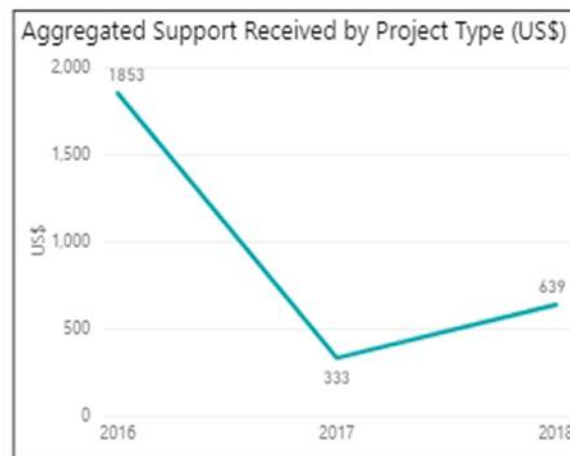
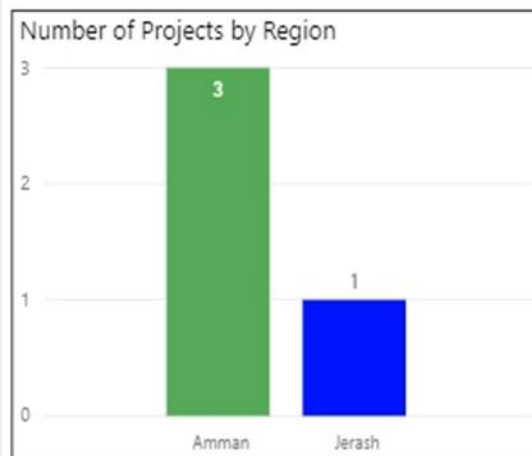
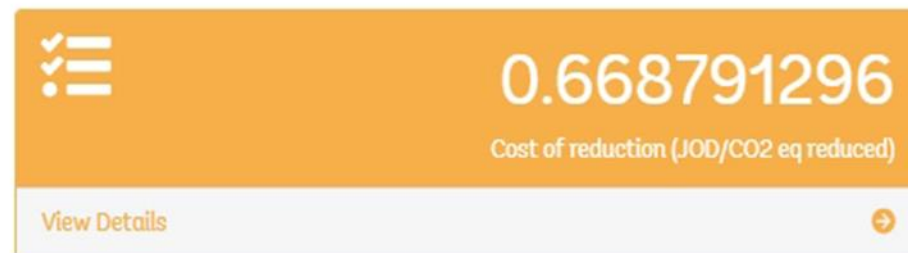
Indicators

Energy Balance

Reporting

## Dashboard

Home - Dashboard



Number of Projects Per Type

Aggregated GHG emission (+ CO2-eq)

Number of Projects Per Region



MRV



Explore Project...

Pause

00:00:00

Area

Audio

Record Pointer

Hello, moenv (MoEnv-National User)



EN

Home - Dashboard

My Dashboard

Project Search

Indicators >

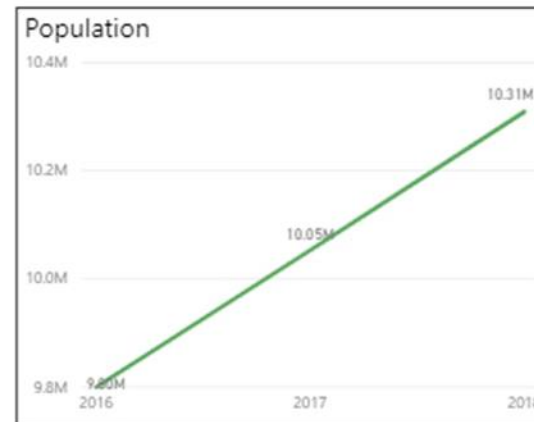
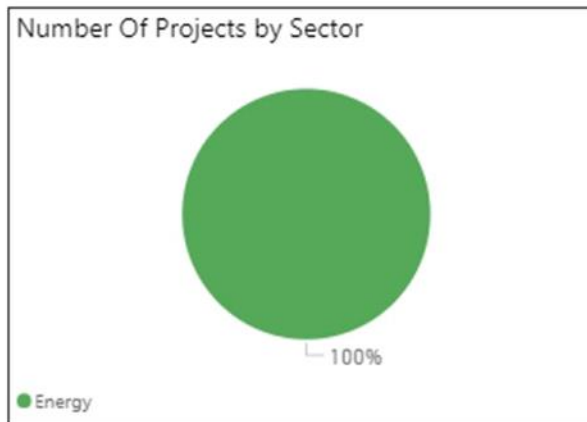
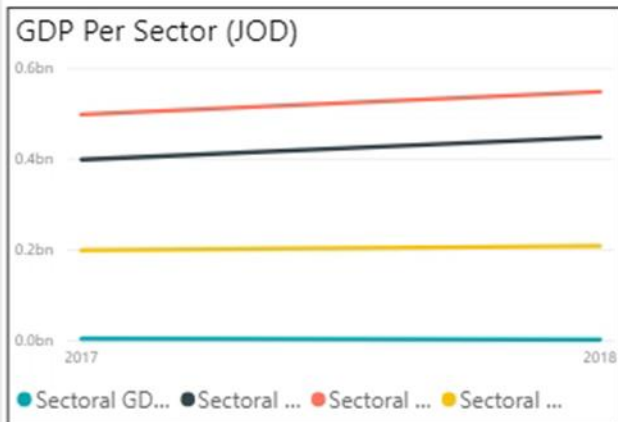
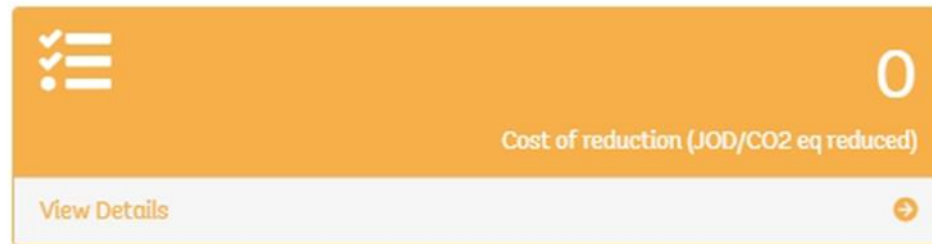
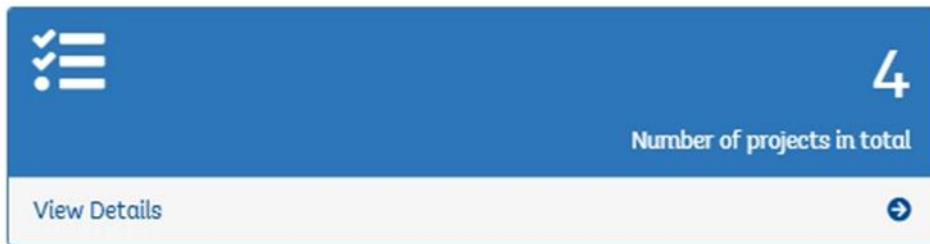
GHG Inventory

Energy Balance

GHG Projections

Reporting

Project Data Reporting

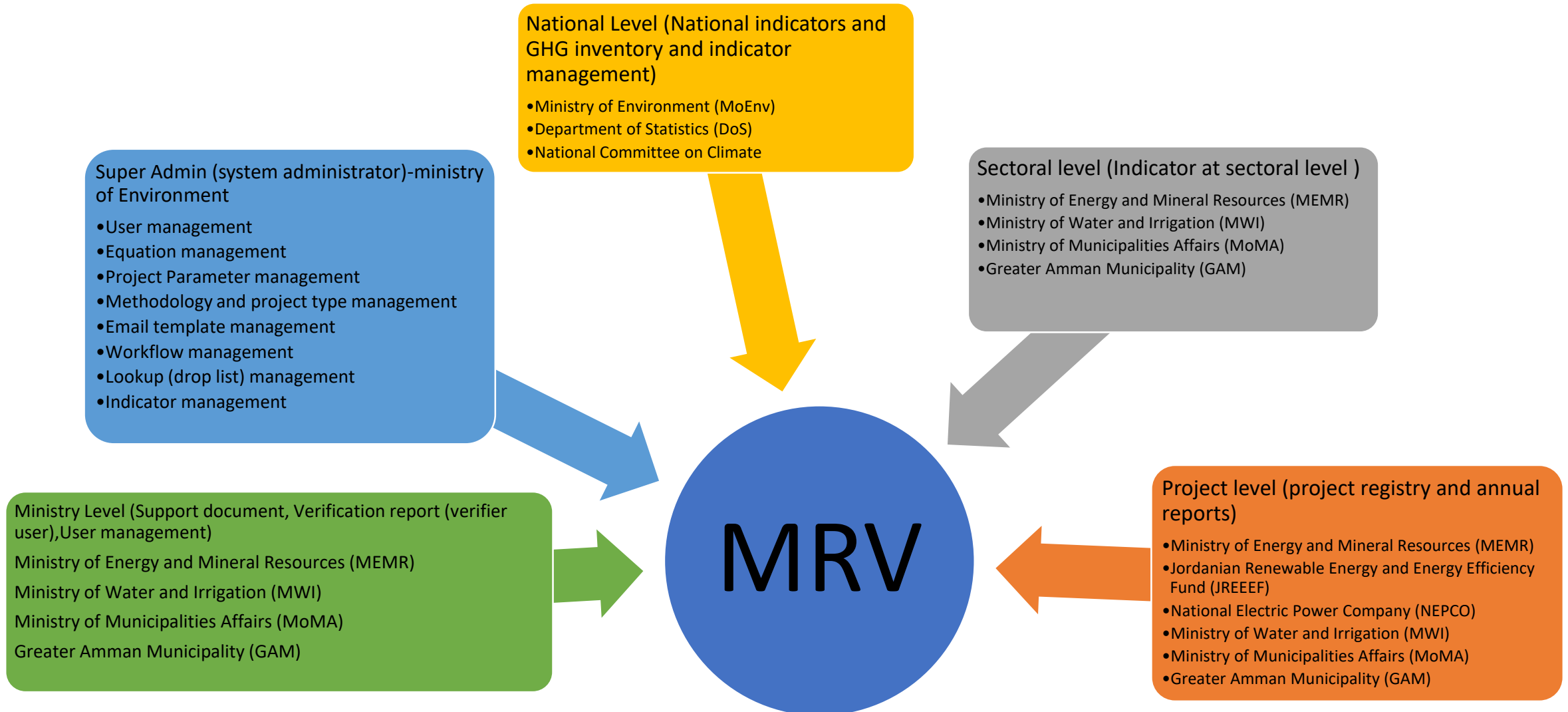


# Success Factors- MRV system

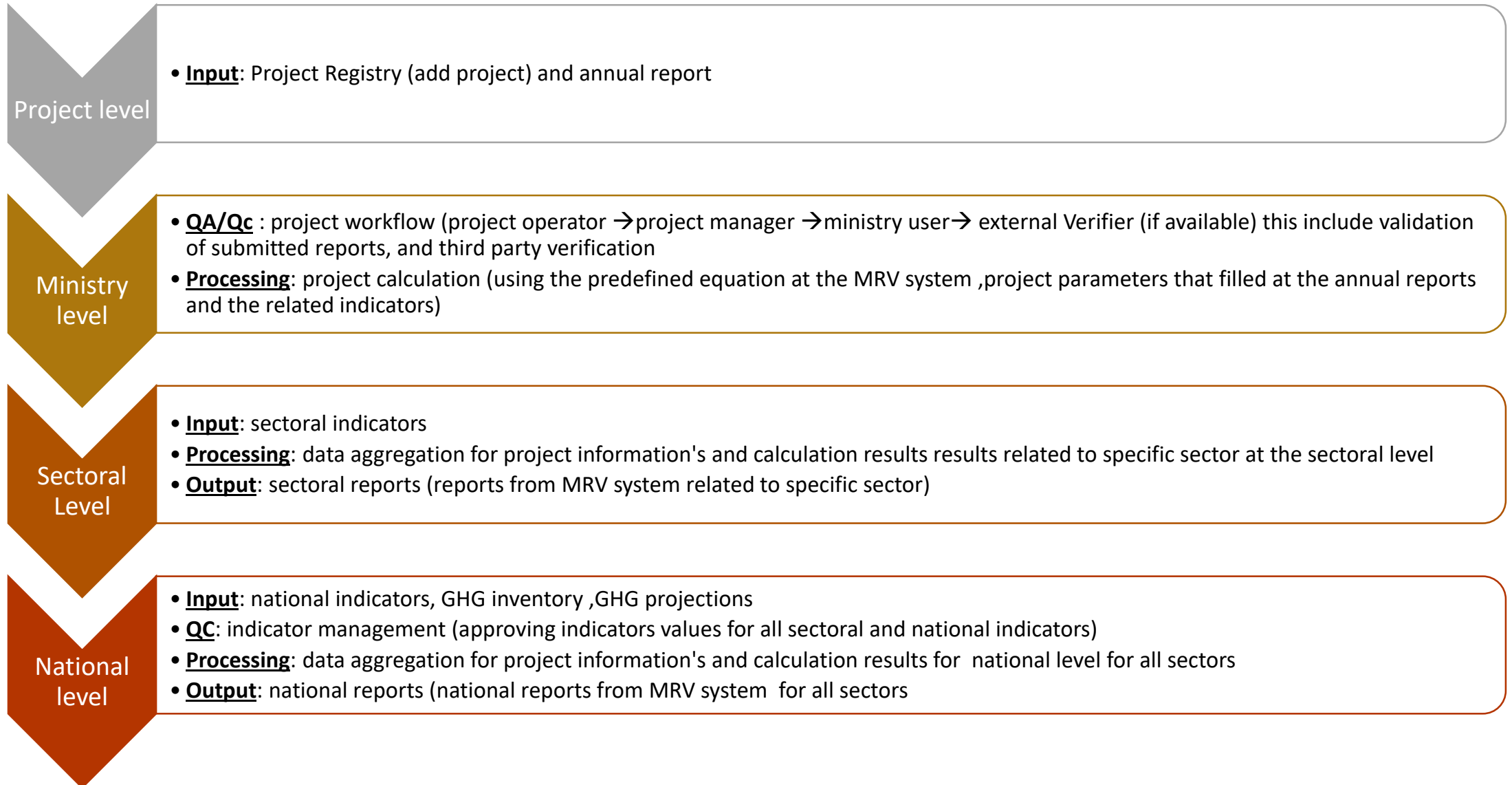


- **Institutional arrangements** must be in place
- Clearly define **roles/responsibilities** to ensure smooth flow of information to all entities producing, reporting and verifying data.
- **Consistency** with time frames of current/future reporting under UNFCCC
- Good **legal arrangements** govern the fulfilment of responsibilities in delivering MRV of Emissions.

# MRV System Data Entry types



# MRV System Data flow



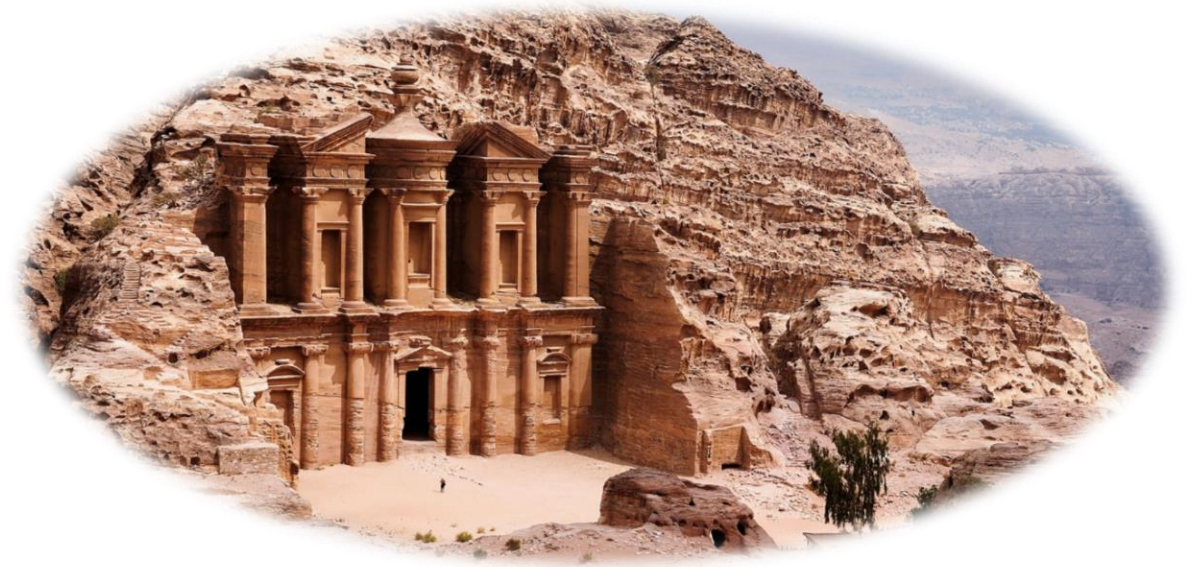
Thank you for your attention

**Ruba Ajjour**

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**Water and Environment Centre**

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**The Treasury in Petra –South Jordan**