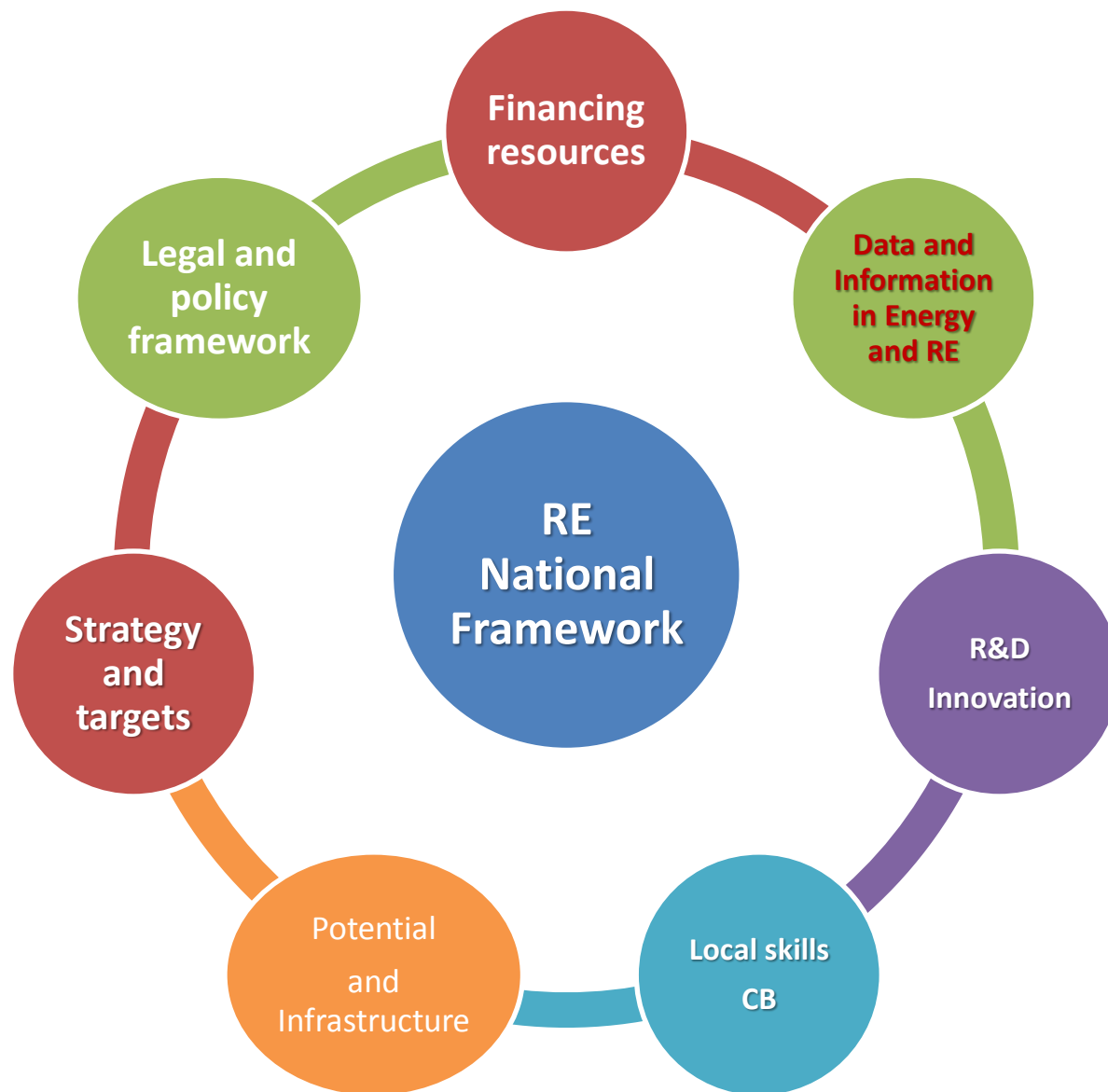




Building qualitative and quantitative Renewable Energy Database Framework (REDAF)

1st Regional project Workshop

17 May 2012, Marrakech, Morocco

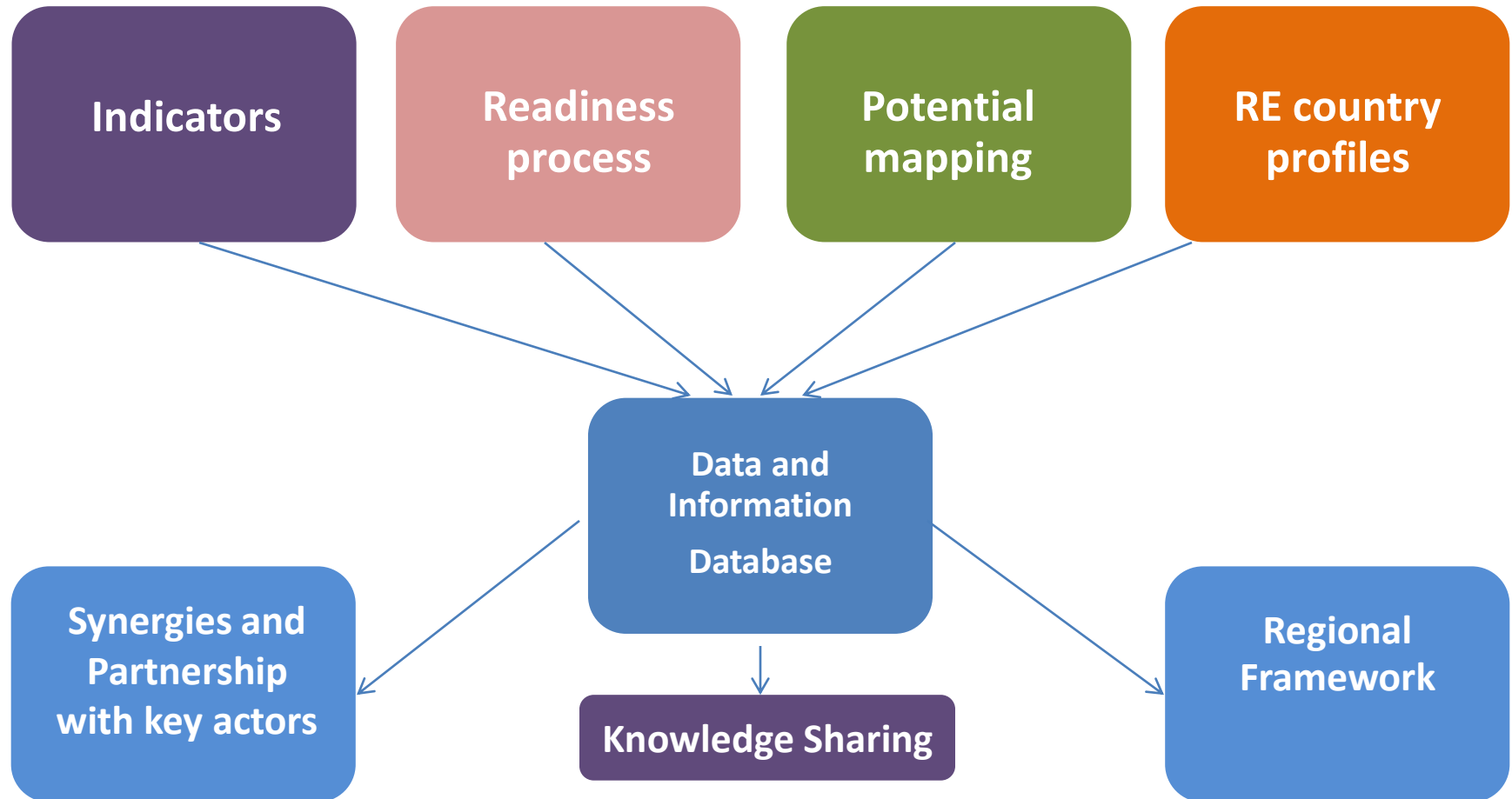


1. Background

- ***Lack of data and information in Renewable Energy in some developing countries***
- ***Available data is published irregularly and in many formats***
- ***No methodological process exist for data collection on RE***
- ***The efforts being made by countries in RE not reflected in the energy status reports, energy balance,...***
- ***Lack of regional publications and knowledge sharing***

2. Context

IRENA already started to assess the current situation in RE :



To monitor and show the efforts that have been made by country in renewable Energy , it's necessary to build and implement a sustainable and useful *RE database framework*

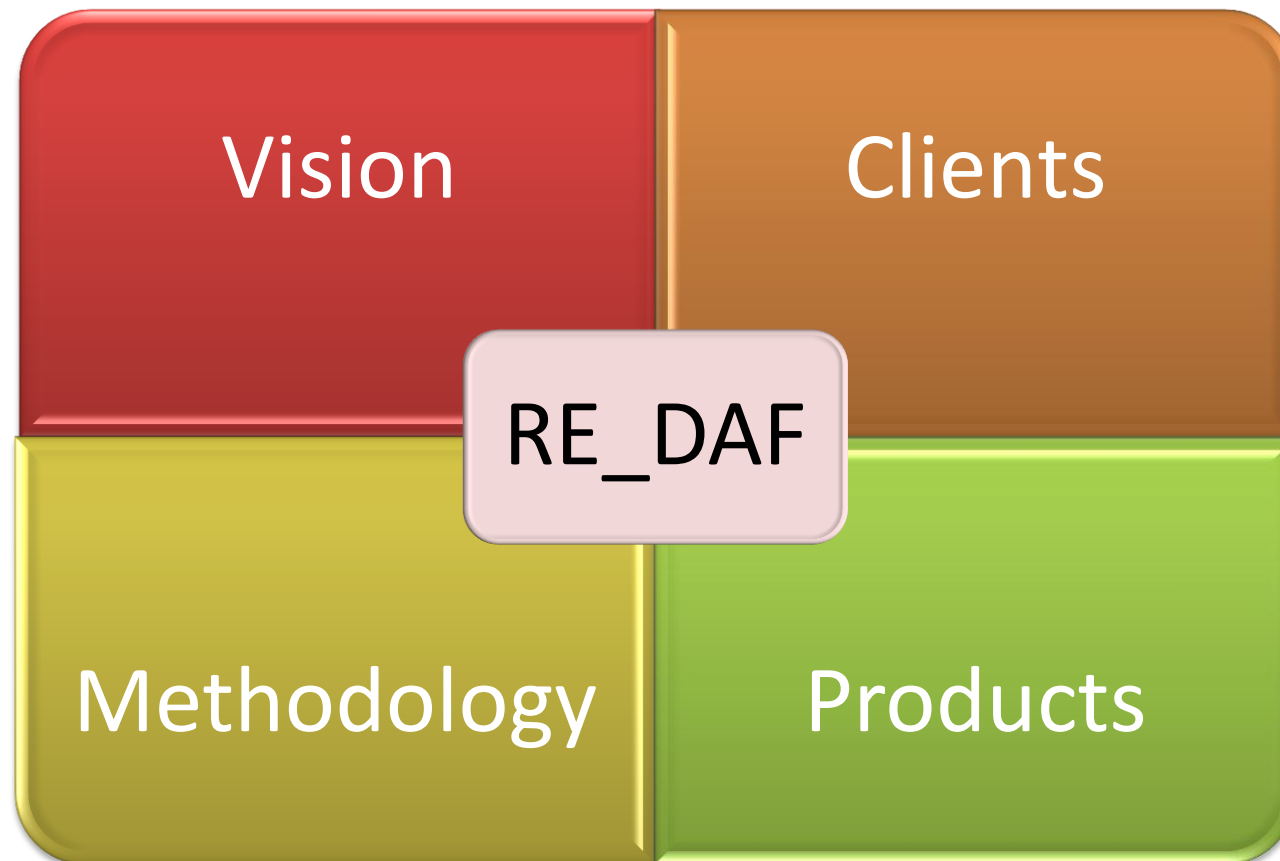


Building qualitative and quantitative Renewable Energy Database Framework (REDAF) Project: Global scope

- **All the technologies**
- **All the regions**
- **All data and information**

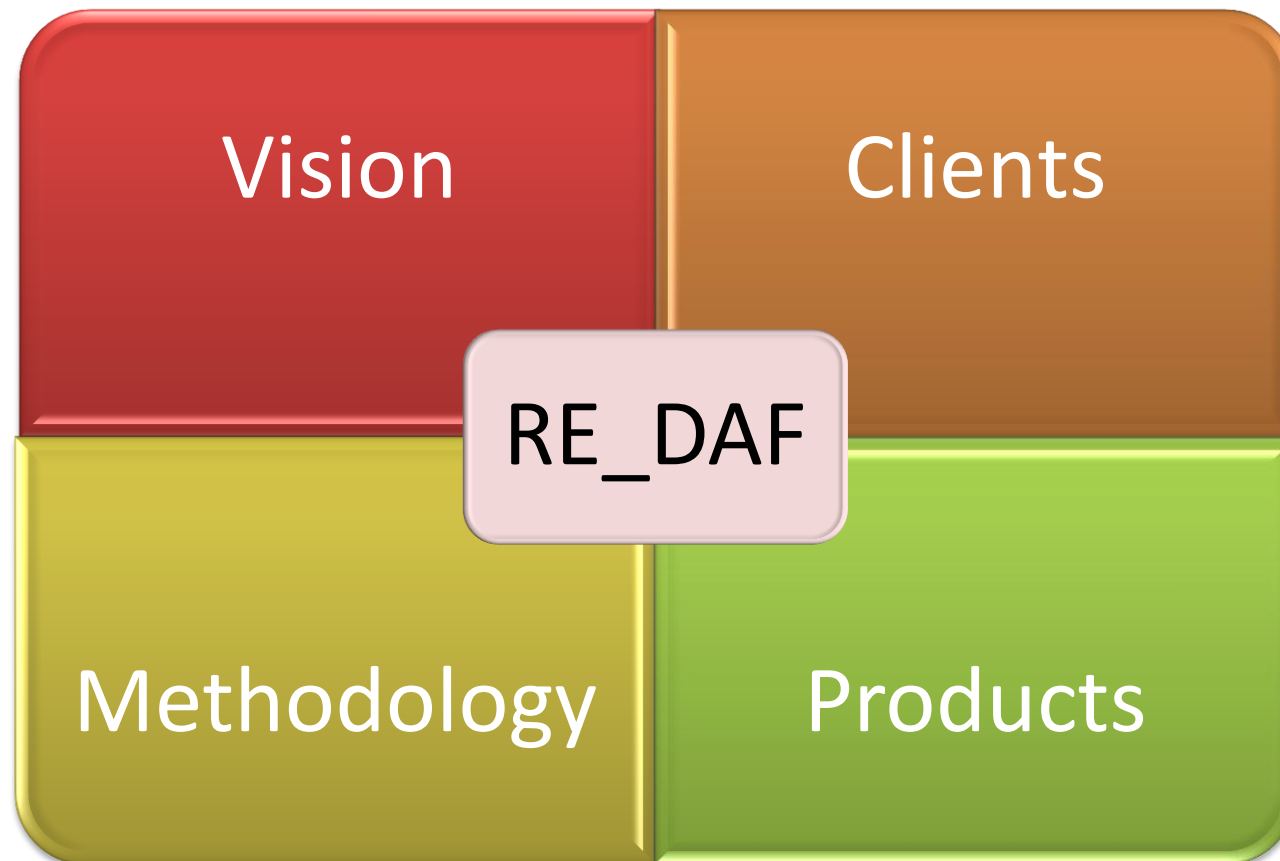
Building qualitative and quantitative Renewable Energy Database Framework (REDAF) Project: Global scope

4 main pillars to move forward the project



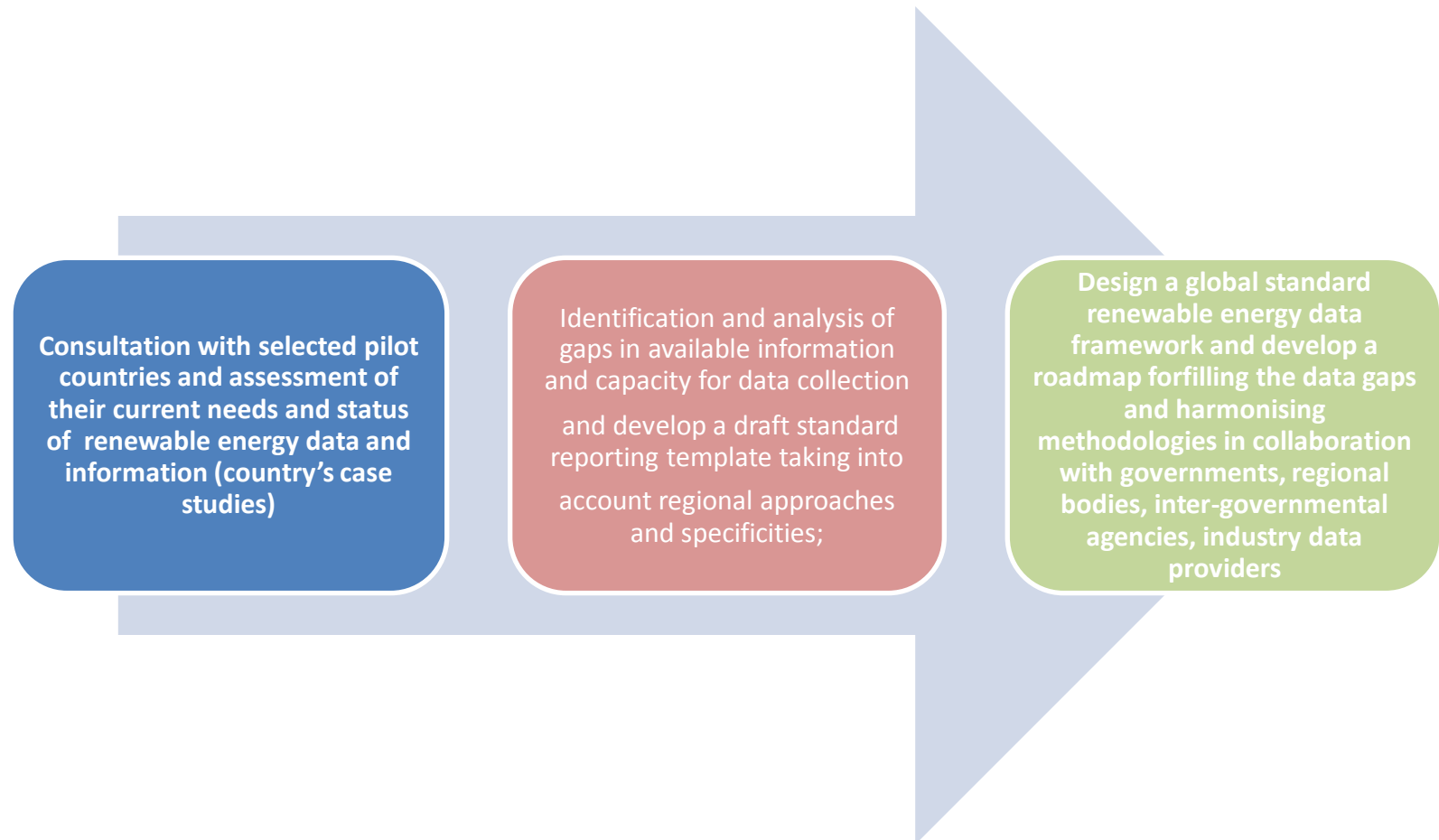
Building qualitative and quantitative Renewable Energy Database Framework (REDAF) Project: Global scope

4 main pillars to move forward the project

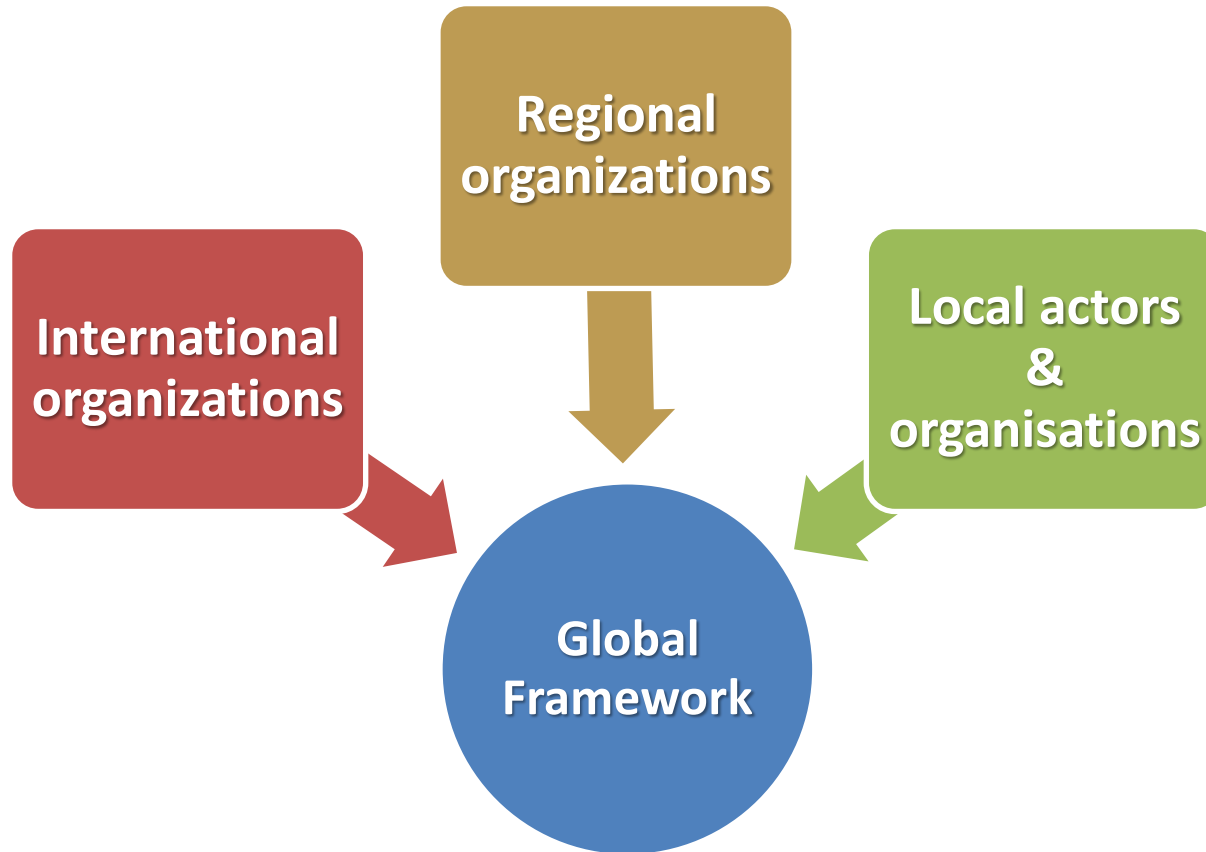


3. Project summary

3 main Project phases:



Partnership



Main Partner REN21

Partnership

Local Level/operational level

Countries	Financial Institutions	Private Sector	Governmental organizations	Networks	Initiatives
Morocco	<ul style="list-style-type: none"> • Societe d'Investissement Energetique (SIE) • Private banks 	<ul style="list-style-type: none"> • AMISOLE • Federation de l'Energie 	<ul style="list-style-type: none"> • Ministry of Energy • Others Ministries • ADEREE • MASEN • IRESEN • ONE (Utility) 	CNRST	GIZ WB / ESMAP
Oman	Ministry of Finances	REN- Oman	<ul style="list-style-type: none"> • Ministry of Energy • PWEA • Sultan Qaboos University 		EU-GCC Network JICA

Phase 1 . Consultation with selected pilot countries and assessment of their current needs and status of renewable energy data and information (country's case studies)

- ✓ *Selection of pilot countries*
- ✓ *Identification of relevant players (formal and informal) in the local data collection process*
- ✓ *Assessment of the data situation (availability, accessibility, reliability of data, players etc.)*
- ✓ *Identification of current needs existing gaps and barriers on Renewable energy data and information*

This process will start with a limited group of countries that will be regionally balanced.

Phase 2. Identification of capacity for data collection as identified by countries and develop a draft standard reporting template taking into account regional approaches and specificities

- *Identification of capacity development needs in view for renewable energy data (methodology, production, dissemination etc.)*
- *Definition of a draft common format to collect, standardize and report the critical sets of renewable energy data required for presenting/monitoring renewable energy efforts.*
 - ✓ *Potential/ Technologies/ Applications*
 - ✓ *Policies, legal framework*
 - ✓ *Regulatory framework*
 - ✓ *Investment and financial mechanisms*
 - ✓ *Capacity installed (On grid, off grid, Thermal Energy, Biomass,)*
 - ✓ *Local skills, private sector*
 - ✓ *Infrastructure*

The methodological approach will be refined taking into account regional specificities

Phase 3. Designing a Global Renewable Energy database Framework

A global framework will be proposed - these include, but not limited to:

- ✓ *Define a specific and global strategy on Renewable Energy data and information*
- ✓ *Design standard processes on managing quantitative and qualitative RE databases at global, regional and local levels*
- ✓ *Develop the support and accountability infrastructure for design and implementation of the processes including IT infrastructure and tools*
- ✓ *Formulate an adapted framework to systemize and institutionalize RE database within IRENA*

The results of the project will be published and disseminated during a workshop to be organized on the margins of the International Renewable Energy Conference expected to be held in Abu Dhabi in January 2013.

4. Next steps:

- **Organisation of 1st Regional workshop for MENA region in Morocco**
- **Perform Case studies in selected counties in MENA region: **Morocco**, Egypt, Jordan, Lebanon,.....**
- **Define a common methodology for MENA Region**

Thank you for your attention