



ECOWAS Status Report

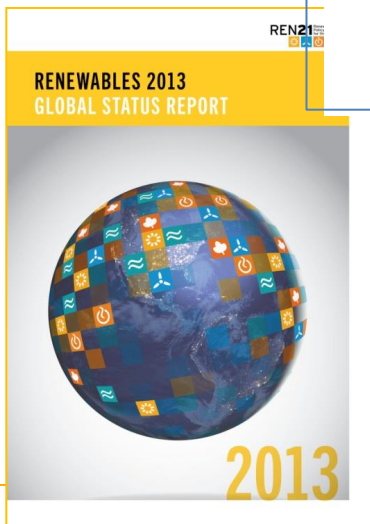


Closing the Data Gap: Driving good decision-making in ECOWAS region

ECOWAS Regional Kick-off Workshop:
Development of ECOWAS Renewable Energy
and Energy Efficiency National Action
Plans and SE4ALL Action Agendas

March 17-20, 2014

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About REN21

A Multi-stakeholder Policy Network grouping

Science & Academia:

IIASA, ISES, SANEDI, TERI

NGOs:

CURES, GFSE,
Greenpeace, ICLEI, ISEP,
JREF, WCRE, WRI, WWF

Industry Associations:

ACORE, ARE, CEC, CREIA,
EREC, GWEC, IGA, IHA,
WBA, WWEA



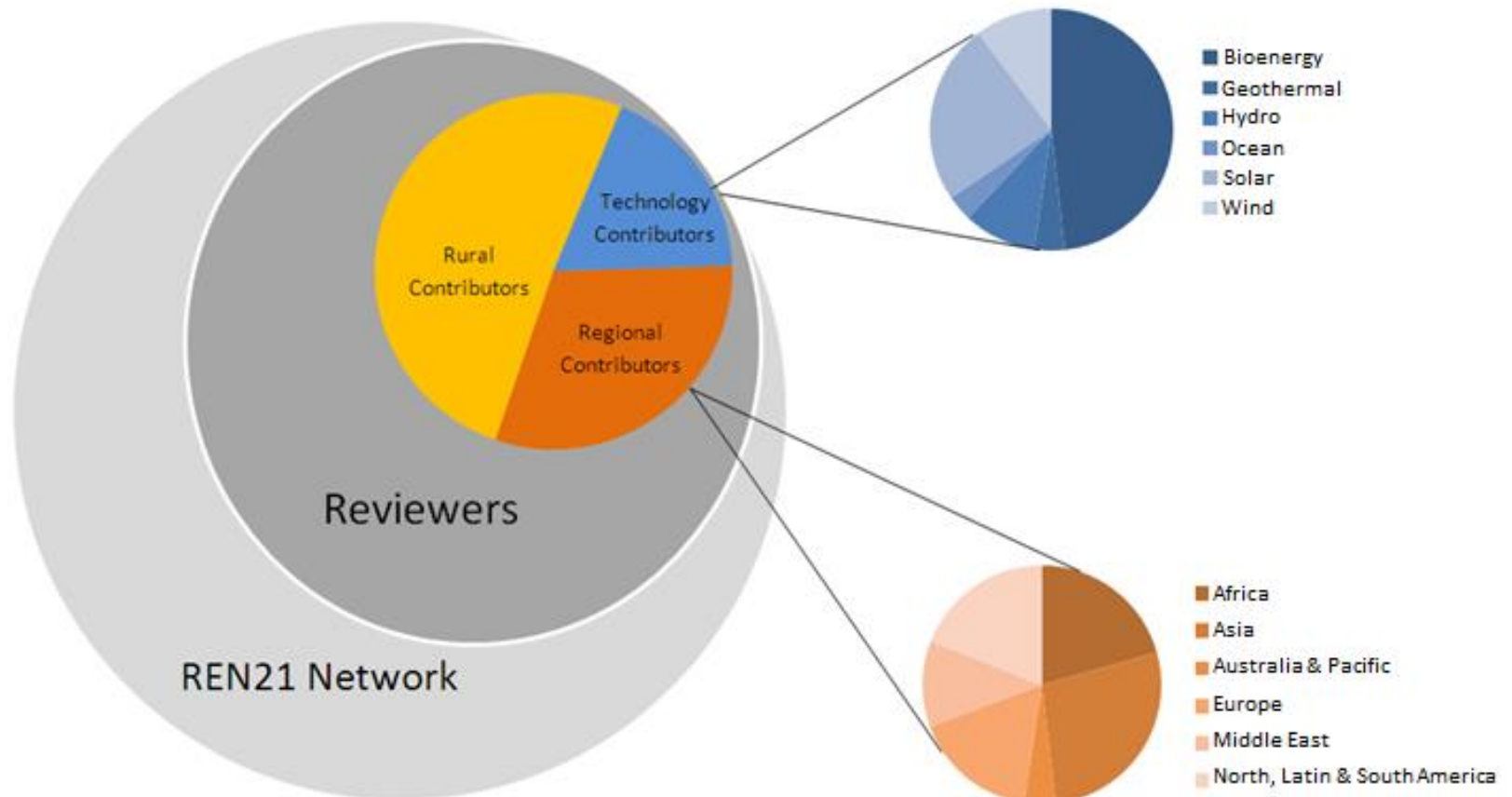
International Organisations:

ADB, EC, GEF, IEA, IRENA,
UNDP, UNEP, UNIDO,
World Bank

National Governments:

Brazil, Denmark
Germany, India, Norway,
Spain, Uganda, UAE, UK

REN21 Network: Diverse and important

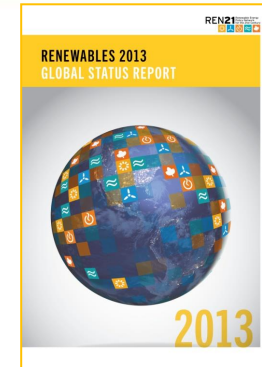


Over 400 reviewers and contributors from around the world and across the 5 stakeholder groups

REN21: Support the rapid uptake of renewables worldwide



- Providing high quality information on renewables
 - Global Status Report,
 - Regional Reports (MENA, ECOWAS....)
 - Global Futures Report
 - Renewables Interactive Map
- Developing networks, expanding outreach efforts
 - Contributors network
 - Cooperation with other organisations to promote renewables
- Catalysing discussion and debate
 - International Renewable Energy Conference (IREC)
 - South Africa 2015
 - Workshops and webinars

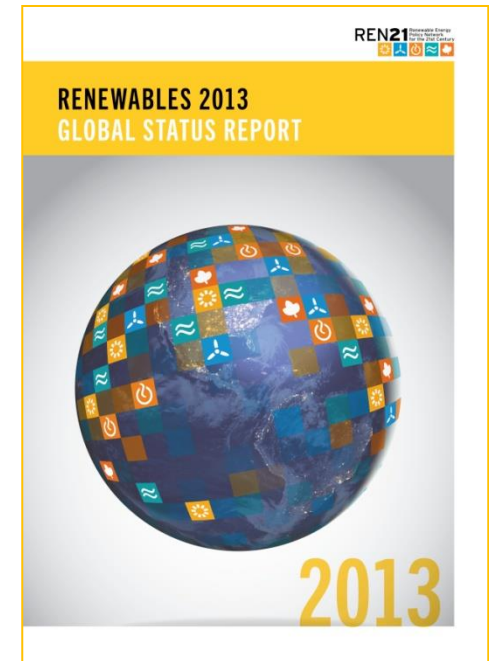


Renewables Global Status Report


- Team of over 400 contributors, researchers and reviewers worldwide

The report features:

- Global Market Overview
- Industry Trends
- Policy Landscape
- Investment Trends
- Distributed Renewable Energy
- All renewable energy technologies
- Sectors: power, heating/cooling, transport
- Feature in GSR2014:
 - *Tracking the Global Energy Transition: A Decade of Unprecedented Momentum for Renewables*



Renewables Interactive Map



TAKE THE SURVEY

Renewables Interactive Map Survey
It is time to update the Renewables Interactive Map on a global scale. We are looking for you to complete the survey. Your information will be used to create and update REN21's annual Renewable Energy Global Outlook and the world's most authoritative renewable energy data. The information provided is anonymous.

REN21 Renewable Energy Policy Network for the 21st Century

RENEWABLES INTERACTIVE MAP

SEARCH BY TECHNOLOGY SEARCH BY SECTOR ACCESS COUNTRY

YOUR SEARCH: Rural energy / Primary energy + Heating/cooling + Fuel energy + Transport + Electricity + Fuel energy + Heating/cooling consumption + Not specified

New Search

Collaborative data-sharing effort by REN21 community of renewable energy experts: www.map.ren21.net

Why is Data Important?

Good decisions need to be based on good data.

This means that.....

...to **advance energy access**, and to **monitor advancements** need data on renewable energy and energy efficiency.

Why is Data Important?

- Basis for decision-making
 - necessary for energy planning,
 - informs policy design and adaptation efforts
 - monitors progression or regression
- Demonstrates current situation and opportunities
 - attract investors and private industry
- Shows the potential of the region
 - 128,000 minigrids needed by 2030 to reach ECOWAS target
 - investment 31 billion euros by 2030*

* Ref: IED study: Low carbon minigrids: Identifying the gaps, building the evidence base

What defines good data?

- Quality / Reliability
- Accessibility
- Timeliness
- Comprehensiveness
- Transparency (necessity of referencing)
- Validity of data
- Methodology

Ensuring these elements increases trust in the data produced

Types of Data

- Formal Data
 - Official energy statistics
- Informal
 - Business/trade/investment figures
 - Project implementation
 - Research results
 - Reports: NGOs, industry associations
 - Articles: newspapers, on-line publications
 - Publications
 - Personal communication/observation
 -

Forms of Data: from where?

- Government collection process
- Research
- Results from studies, projects
 - Industry associations
 - Pre-investment
- Field work
 - NGOs
 - Business
 - Project developers
 - Practitioners
- Interviews / personal communication
-?



Renewable Energy Data Challenges

- Energy = cross-cutting and politically sensitive
 - Different sectors: health, agriculture, water, education
 - Different interests
- Renewable energy and energy efficiency data
 - Disperse/decentralised
 - Small-scale
 - Not traded (ex. traditional biomass)
- Formal vs. informal data – tensions between stakeholders

ECOWAS Renewable Energy and Energy Efficiency Status Report

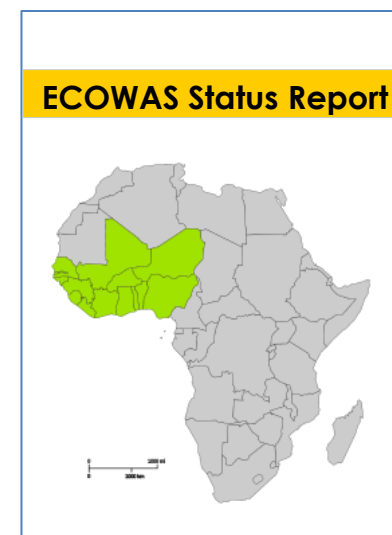
- ECOWAS region:
 - increasing growth in renewables
 - one of the most active regions in Africa for the promotion of **renewables and energy efficiency**
- Renewable energy and energy efficiency = real opportunity for the region to achieve a globally important position in the sustainable energy
- Political acknowledgement of importance:
 - 2014 National Renewable Energy and Energy Efficiency Action Plans
- Support the work of ECREEE



ECOWAS CENTRE FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY

ECOWAS Status Report

- **BUT.....**to accelerate the deployment of renewable energy in the region, need to:
 - capture the full range of renewable energy and energy efficiency activities in the region
 - who is doing what
 - current market, installed capacities, energy output, market growth/development → attract investment
 - timely and comprehensive information
- Data is being collected but there is a need for:
 - harmonisation of information: financing, technology options, policies
 - wide-spread promotion of information: within and outside of ECOWAS → facilitate policy change
 - Transparency and referencing → gives credibility

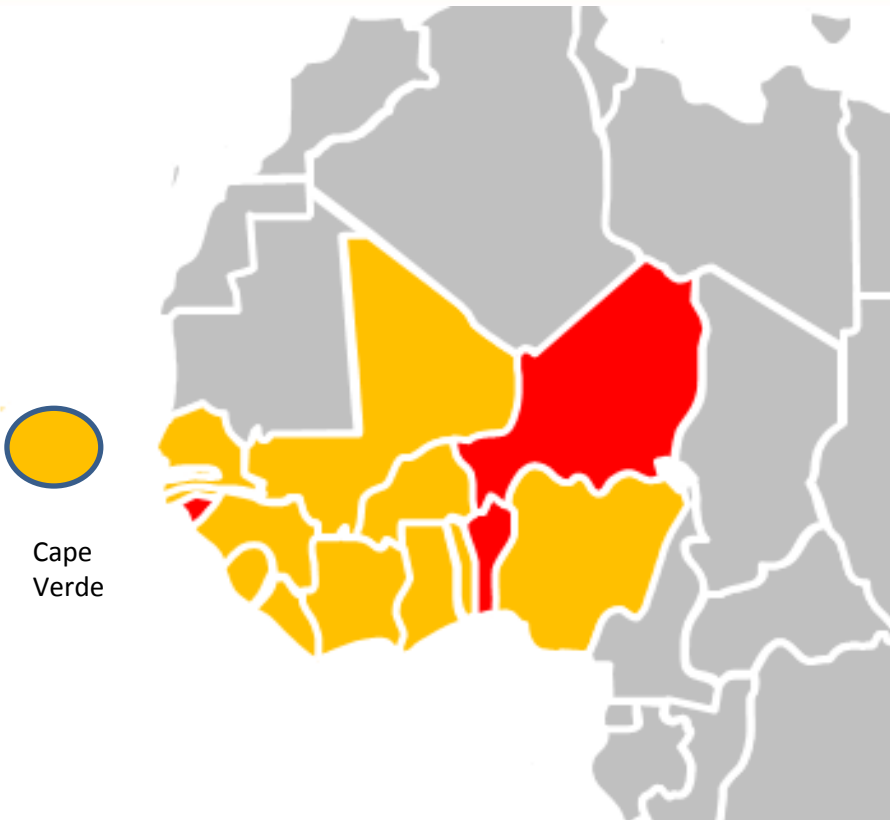




Objectives of ECOWAS Status Report

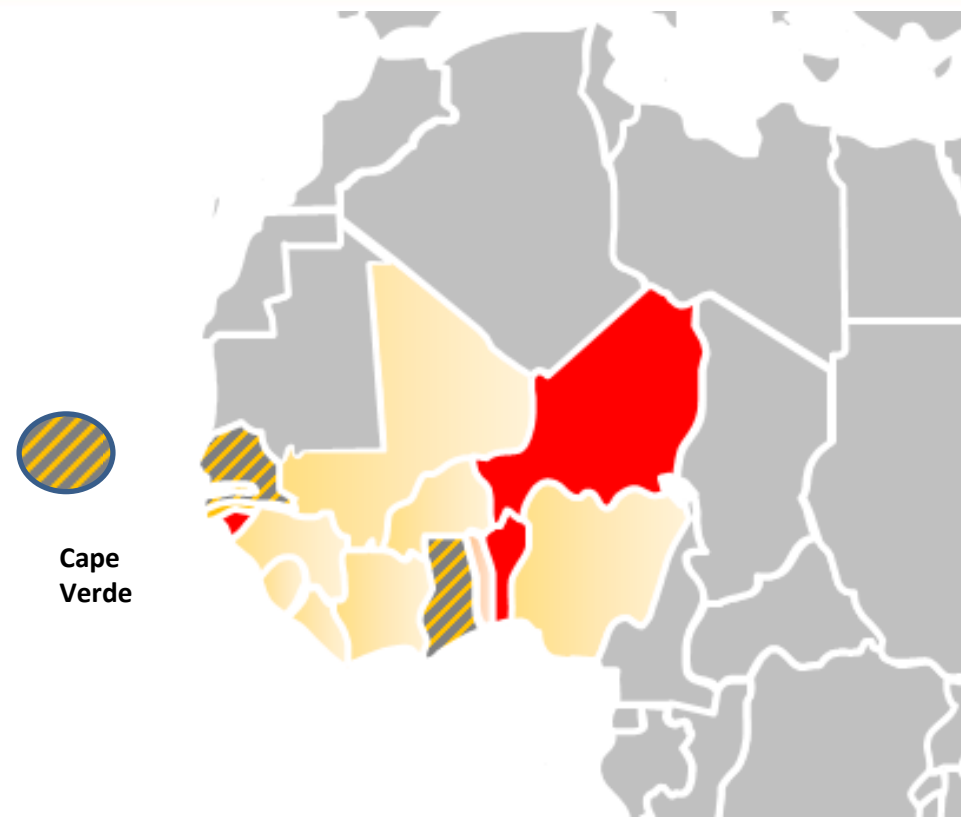





- **Detail the status** of:
 - renewable energy markets & industry, in power, heating/cooling, transport
 - regulatory frameworks and policy
 - investments
 - stand-alone energy solutions in the region
- **Outline policy trends**
- **Discuss regional opportunities** in manufacturing, infrastructure and knowledge sharing
- **Highlight the business case** for renewable energy deployment
- **Showcase the latest market developments and activities** undertaken in the ECOWAS region
 - to facilitate the scale-up of domestic, regional and foreign investments
 - to **illustrate** national and a regional engagement: **ECOWAS as a successful region for other regions to replicate**

Data Collection: What is the status?

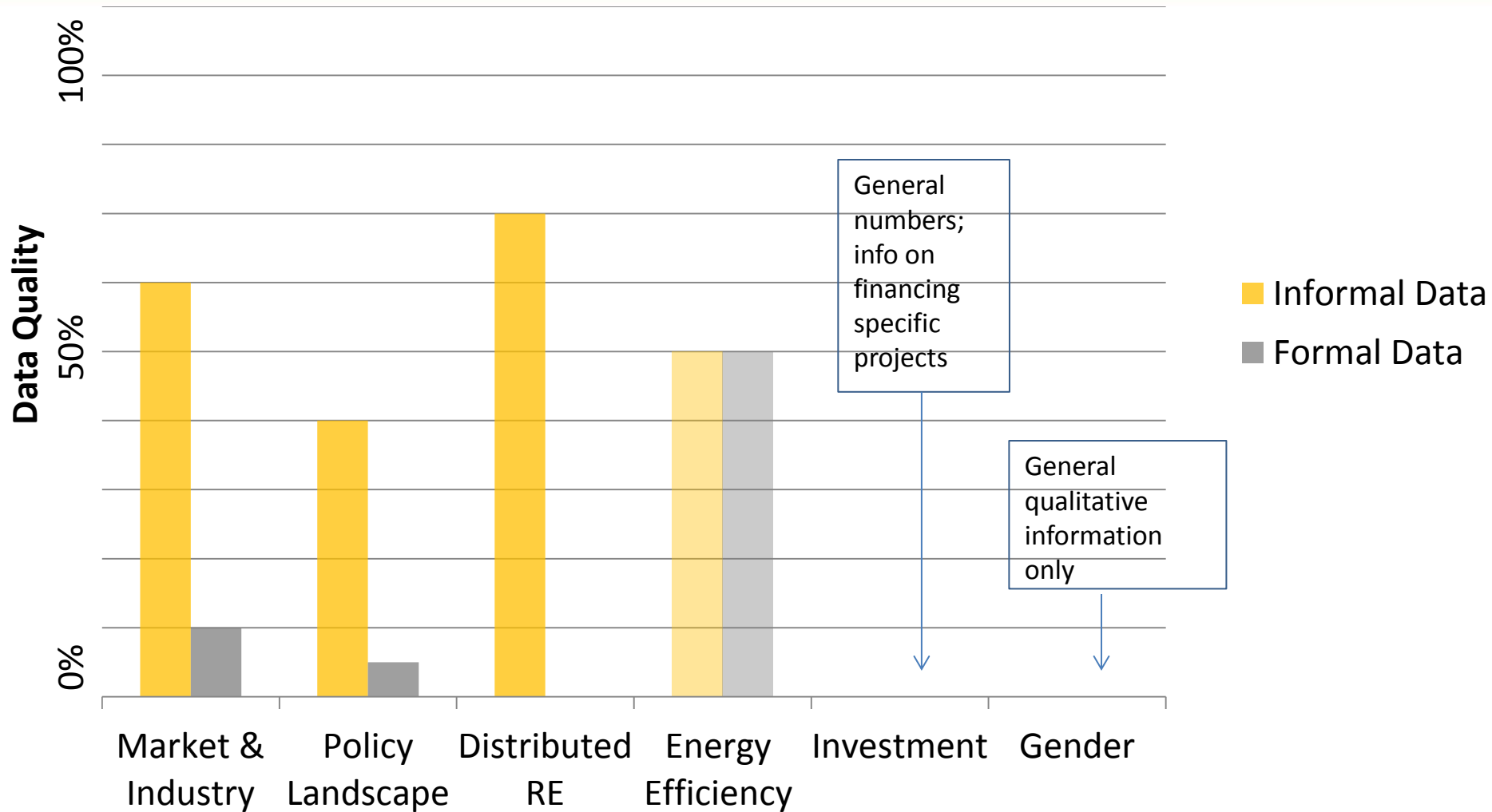


-  = data provided/available
-  = no data provided/available



-  = formal and informal data
-  = informal data
-  = no data provided/available

Data Quality

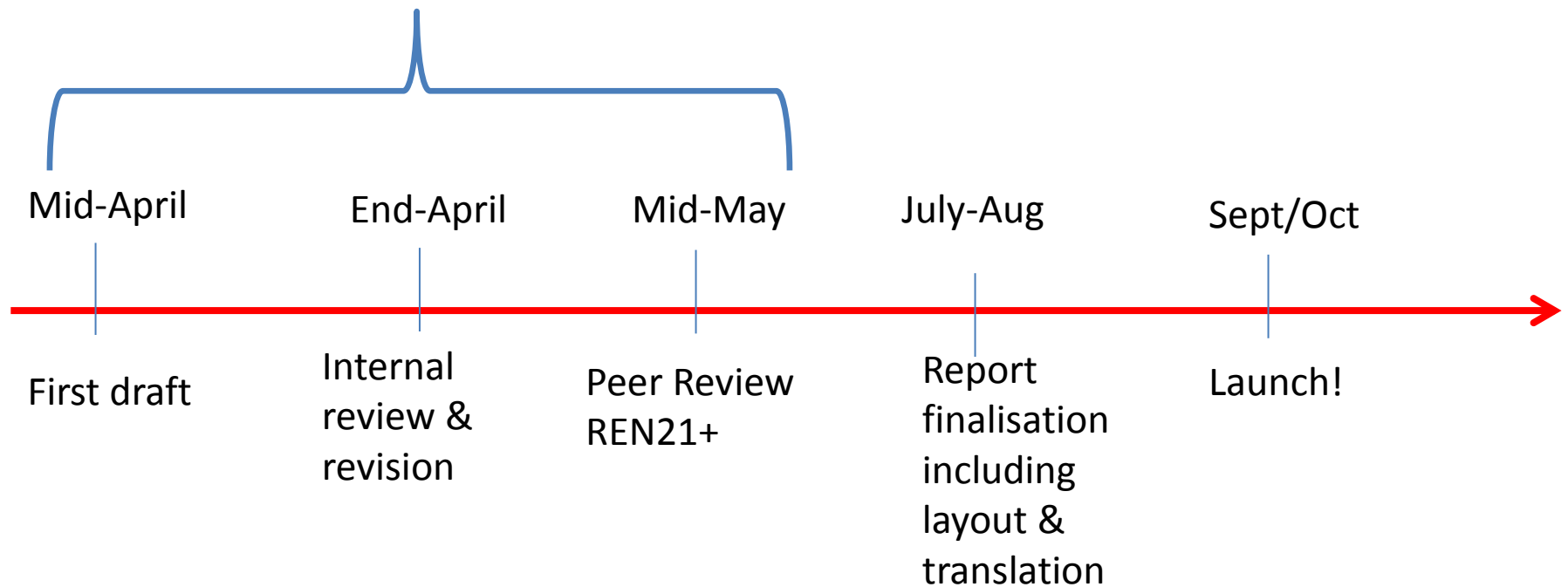


Conclusions

- Data collection: its not just about numbers
 - Content
 - Timeliness
 - Participation: engaging in the process
 - Validation
- Challenging: cross-cutting nature of renewables
- Must be collaborative

Next Steps

Data Collection Process



We Need Your Help!

■ Data gaps:

- Recent data: 2012 → 2013 ↗
- Transport
- Heating and cooling
- Information: off-grid
- Concrete numbers on RE investment by government
- Recent regulations
- Energy efficiency
- Gender
- Trends



= formal and informal data

Thank you

- **Your knowledge + expertise + REN21 experience + ECREEE guidance = important reference document**

Result: support the uptake of renewables and energy efficiency measures → **increased energy access for all.**

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