

Regional cooperation on renewable energy

CAPACITY BUILDING ON REGIONAL DATA COLLECTION STRATEGY



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Our starting point

No good decision without good data!

We need renewable energy & energy efficiency data...

**To advance the energy transition,
to advance energy access,
to attract investors' and policy makers' interest,
to inform policy & regulatory framework
and to monitor advancements.**

... and telling the story!



Different Types of Renewable Energy & Energy Efficiency Data

- **Market & industry data/information**
- **Economic/Investment data**
- **Information on political & regulatory framework**
- **Energy statistics**
- Renewable energy potential
- Household surveys
- Impact analysis
- ...

→ **Qualitative and quantitative data**

→ **Formal (official) and informal data**



Global, regional, and country data



REN21 Renewables 2015 Global Status Report



- 10 years of GSR
- Approx. 2000 experts part of the broad contributors & reviewers community
- Around 500 active contributors & reviewers
 - Authors
 - Country contributors
 - Technology and topical contributors
 - Reviewers

The GSR collaborative production process

Technology/Sector Information

Data are analysed and cross-checked by an authoring team to define the “story”.

Country Information

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Chapter 1. Regional Market and Industry Overview					Chapter 2. Policy Landscape					Chapter 3. DRE			
2		Energy Matrix	Installed Capacity	Electricity Generation	Heating	Cooking	Policy Targets	Power Generation	Heating and Cooling	Transport	Status of electrification	Technologies	Actors	Industry trends and financial models
3	Benin		O	O	O	O	O	O			O		O	
4	Burkina Faso		O	O	O	O							O	
5	Cape Verde				O	O							O	
6	Côte d'Ivoire	Y	O and Y	O	O	O	O, X & Y	X	Y	Y	X	General language w/ regional examples	O	General language w/ regional examples
7	Gambia				O	O					X		O	
8	Ghana	Y	NFI and Y	O	O & NFI	O	X & NFI	X	Y	Y	X		O	
9	Guinea		O		O	O					X		O	
10	Guinea Bissau				O	O					X		O	
11	Liberia		O		O	O	O	O			O		O	
12	Mali		O	O	O and Y	O	O and Y	O			O		O	
13	Niger		O	O	O	O	O	O			O		O	
14	Nigeria				O	O	O	O			O		O	
15	Senegal		O & NFI		O & NFI	O	X & NFI	X	X	X	X		O	
16	Sierra Leone		O & Y	O & Y	O	O	O & Y	O			X		O	
17	Togo		O	O	O	O	X	X	X	X	X		O	

Literature Review /
Expert Interview

Data are peer-reviewed
by international experts



Formal vs. Informal Data

*"Coming back to the questionnaire, I believe NGOs cannot serve as serious information / data source, perhaps they can just serve to provide their own opinion about possible barriers and whatsoever obstacles for promotion of RES in a certain country. **UNECE should base its annual status report on official sources in order to make it credible, while NGOs cannot be regarded as such sources**"*

"There is a need to include informal data sources, but there needs to be a formal validation" (ECREEE)

Tension between stakeholder groups → A real need to build trust between the stakeholders and trust in informal data

Also crucial at the regional level



- Transparency (necessity of referencing)
- Methodology
- “Trust” in the data provider
- “Trust” in the data aggregator
- Trustful collaboration between the formal and informal players
- Validation process



Capacity building examples

- Webinars (regional, thematic)
- Latin America & Caribbean Contributors Network
- University of Oldenburg, Germany
 - *Post-graduate programme on renewable energy* – Lecture on RE data (40 students)
 - 50% of the participating as country contributor
- ECREEE – new ECOWREX staff member

General processes *GSR process and community management*
ECOWAS process – community management
Renewables Interactive Map
GSR/EAC tools (Insightly, questionnaire, country tracking sheet,...)
Strategy for ECREEE – Next steps

Specific topics *Mobilisation strategies: Dealing with data providers who don't provide data*
Bioenergy
Distributed renewable energy for energy access
Energy efficiency
Heating & cooling
IT based databases - Interlinkage ECOWREX & Renewables Interactive Map



RENEWABLE ENERGY POLICY NETWORK FOR THE 21st CENTURY



*Global Status Report:
yearly publication
since 2005*



Regional Status Reports



www.map.ren21.net



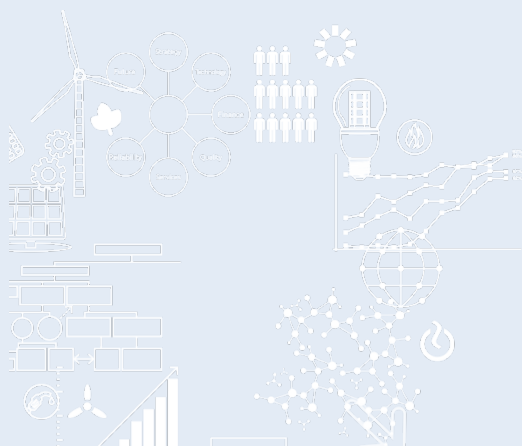
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