

Mapping of Energy Initiatives and Programs in Africa

Report on: <http://www.euei-pdf.org/en/aep/mapping-of-initiatives>



The Africa-EU
Energy Partnership



Outline

- Introduction to AEEP
- Background
- Summary
- Methodology
- Results
- Consequences for African Energy Statistics
- Suggested Way Forward

Africa EU Energy Partnership

The AEEP is a long-term framework for strategic dialogue on energy issues between Africa and the EU

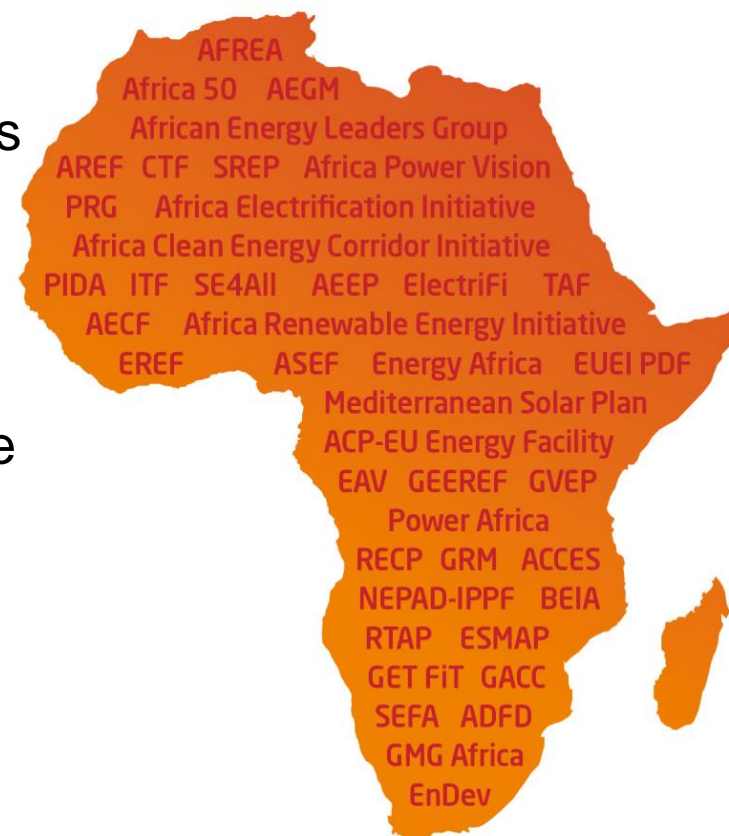
- Established in 2007, under JAES strategy
- Political framework for strategic energy dialogue
 - High Level Meetings
 - Stakeholder Dialogue
 - Thematic Workstreams
 - Monitoring Progress of the AEEP 2020 targets
- Steering Group includes EC, AUC, COMESA, Egypt, Germany and Italy





Background

- Investments in energy sector are recently being prioritized catalysing multiple new international initiatives and donor programs
- Has led to an increased need for coordination and understanding of “who is doing what?”
- AEEP was requested by partners to initiate mapping as a key input to the AUC’s pan-african coordination framework
- **Objective: present information about donor initiatives promoting energy in Africa in a systematic approach, allowing for better coordination and results**





Summary

- **“Lifting the fog” from the sector to reveal overlaps, potential synergies and gaps**
- Key input to coordination efforts
- Exercise undertaken through a phased consultative approach:
 - **Phase 1:** initial overview of key initiatives and programs, compiled based on publicly available information; **draft report presented at SAIREC** in October 2015;
 - **Phase 2:** the information contained in the Phase 1 report was **verified and validated for presentation during COP 21** in Paris;
 - **Phase 3:** the mapping exercise was **finalized with an enhanced level of detail** by way of additional input from stakeholders.
- The follow-up to mapping is one of the central tasks of the planned Pan-African coordination platform



Methodology I: Boundaries and Categorization

- Includes **high-ambition international initiatives**:
 - expected beneficiaries measure in 100.000's
 - Confirmed funding is significant (at least 5m EUR for TA-only initiatives; at least 20m EUR for financing instruments)
- Sound categorization allowed for analysis and led to informed coordination and future planning
 - Geographical scope
 - Type of intervention
 - African counterparts and partners
 - Level of donor involvement
 - Financing instruments
 - Technical assistance instruments
 - Energy sub-sector coverage
 - Energy source
- Phase 2 included a thorough validation exercise involving key organizations, reaffirming the need to the exercise, and validating methodology as well as information contained



Selection and Grouping of Initiatives and Programs = 58 as of 12/2015 <http://euei-pdf.org/thematic-study/mapping-of-iniatives>.

High-level initiatives ("Upstream")	<ol style="list-style-type: none"> 1. Africa Clean Energy Corridor Initiative 2. Africa Power Vision 3. Africa Renewable Energy Initiative (AREI) 4. Africa-EU Energy Partnership (AEEP) 5. Mediterranean Solar Plan 6. Program for Infrastructure Development in Africa (PIDA) 7. Sustainable Energy for All (SE4All) 			
Program / Funding Mechanism ("Downstream")	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <ol style="list-style-type: none"> 1. ACP-EU Energy Facility 2. Africa 50 3. Africa Electrification Initiative (AEI) 4. Africa Energy Guarantee Mechanism (AEGM) 5. Africa Enterprise Challenge Fund (AECF) 6. Africa Renewable Energy Access Program (AFREA I & II) 7. Africa Renewable Energy Fund (AREF) 8. Africa Sustainable Energy Facility (ASEF) 9. Africa-EU Renewable Energy Cooperation Program (RECP) 10. African Development Bank Partial Risk Guarantee (PRG) 11. Clean Technology Fund (CTF) 12. ElectriFi 13. Energising Development (EnDev) 14. Energy Sector Management Program (ESMAP) </td> <td style="width: 50%; border: none; vertical-align: top;"> <ol style="list-style-type: none"> 15. EREF ECOWAS Renewable Energy Facility 16. EU Energy Partnership Dialogue Facility (EUEI PDF) 17. EU-Africa Infrastructure Trust Fund (ITF) 18. European Union's Technical Assistance Facility (TAF) 19. Geothermal Risk Mitigation Facility (GRM) 20. GET FiT Uganda 21. Global Alliance for Clean Cookstoves (GACC) 22. Global Energy Efficiency and Renewable Energy Fund (GEEREF) 23. Global Village Energy Partnership (GVEP) 24. Lighting Africa 25. Power Africa 26. Regional Technical Assistance Program (RTAP) 27. Strategic Climate Fund Scaling Up Renewable Energy Program (SREP) 28. Sustainable Energy Fund for Africa (SEFA) 29. World Bank Guarantee Program <p style="color: red; margin-top: 10px;">Plus plus plus up to 58</p> </td> </tr> </table>		<ol style="list-style-type: none"> 1. ACP-EU Energy Facility 2. Africa 50 3. Africa Electrification Initiative (AEI) 4. Africa Energy Guarantee Mechanism (AEGM) 5. Africa Enterprise Challenge Fund (AECF) 6. Africa Renewable Energy Access Program (AFREA I & II) 7. Africa Renewable Energy Fund (AREF) 8. Africa Sustainable Energy Facility (ASEF) 9. Africa-EU Renewable Energy Cooperation Program (RECP) 10. African Development Bank Partial Risk Guarantee (PRG) 11. Clean Technology Fund (CTF) 12. ElectriFi 13. Energising Development (EnDev) 14. Energy Sector Management Program (ESMAP) 	<ol style="list-style-type: none"> 15. EREF ECOWAS Renewable Energy Facility 16. EU Energy Partnership Dialogue Facility (EUEI PDF) 17. EU-Africa Infrastructure Trust Fund (ITF) 18. European Union's Technical Assistance Facility (TAF) 19. Geothermal Risk Mitigation Facility (GRM) 20. GET FiT Uganda 21. Global Alliance for Clean Cookstoves (GACC) 22. Global Energy Efficiency and Renewable Energy Fund (GEEREF) 23. Global Village Energy Partnership (GVEP) 24. Lighting Africa 25. Power Africa 26. Regional Technical Assistance Program (RTAP) 27. Strategic Climate Fund Scaling Up Renewable Energy Program (SREP) 28. Sustainable Energy Fund for Africa (SEFA) 29. World Bank Guarantee Program <p style="color: red; margin-top: 10px;">Plus plus plus up to 58</p>
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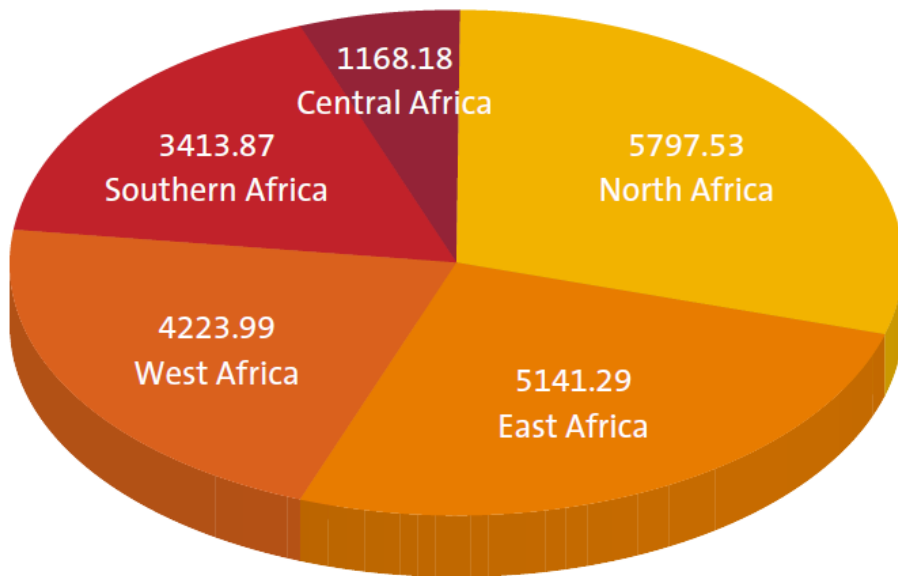


Key Results

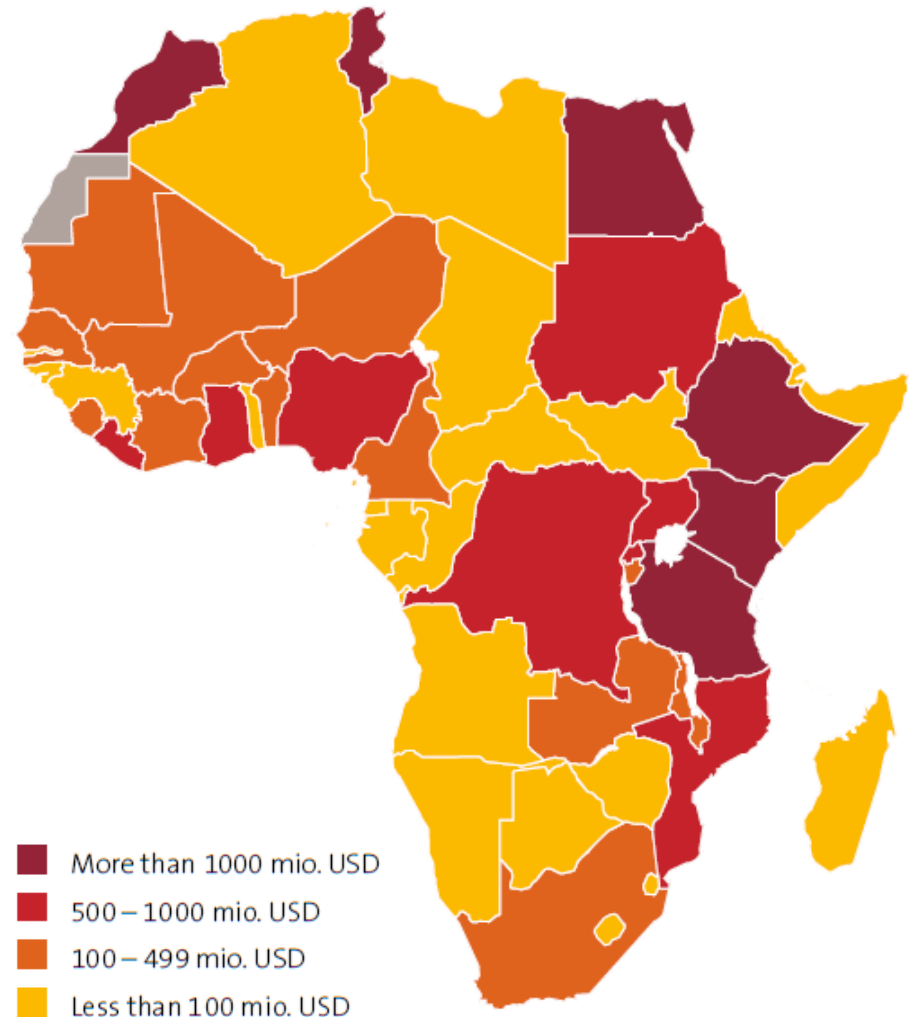
- ODA figures show substantial overall increase in the past 10 years in sustainable energy in Africa
- Recent years have witnessed the emergency of energy access and private sector oriented programs
- Key gap remains lacking support for early-stage project development
- Geographical focus remains on central and sub-saharan Africa
 - Both in terms of programs and ODA flows
 - Concentration in relatively small number of countries in particular in Eastern and Western Africa
- Significant number of new initiatives in the pipeline; need for coordination

Geographic distribution of ODA

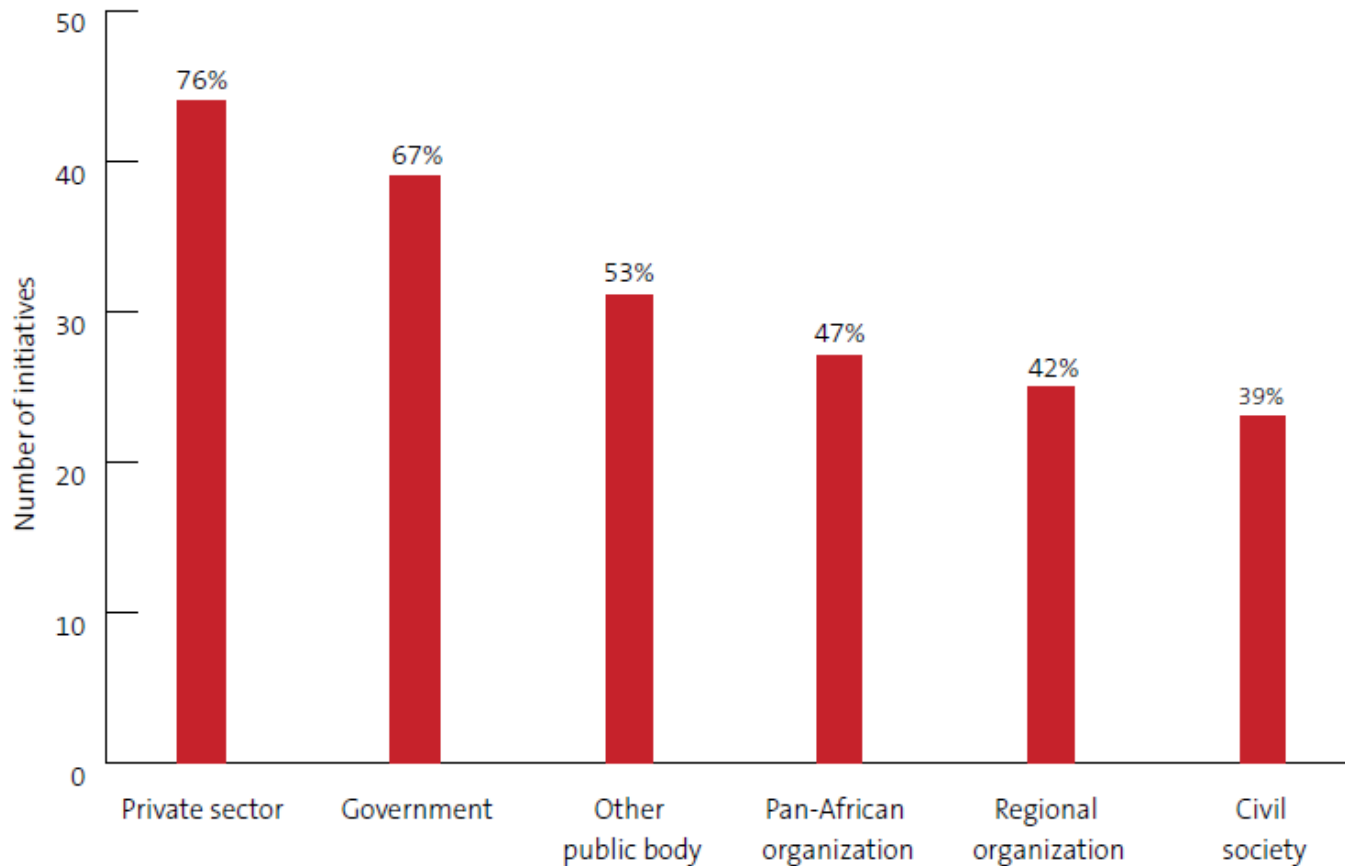
- Focus on several North and East African countries
- Central Africa receives least energy ODA



ODA flows to the energy sector in Africa by region, 2009–2013 (in million USD)

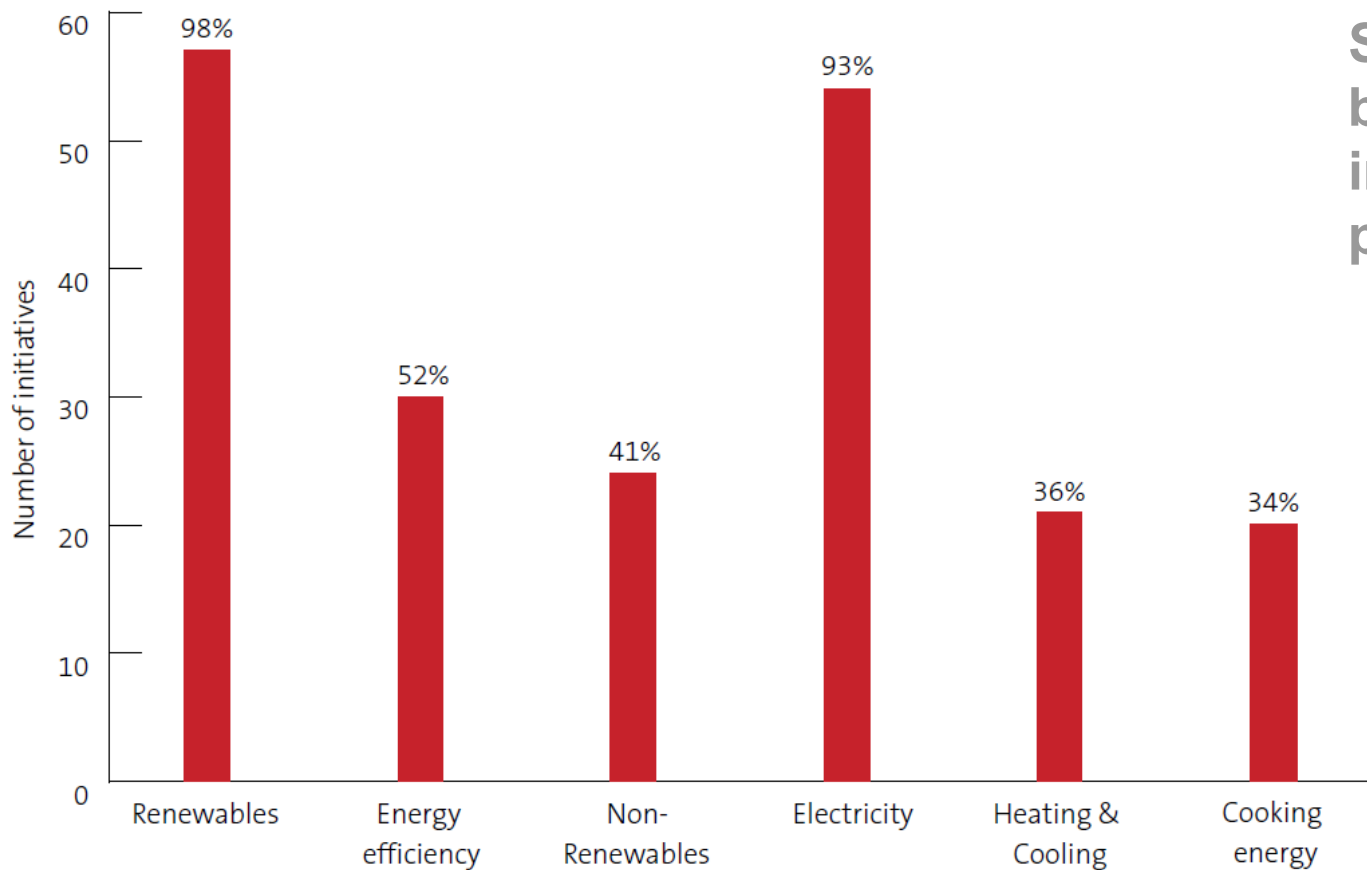


High level of private sector involvement versus relatively low level of civil society participation



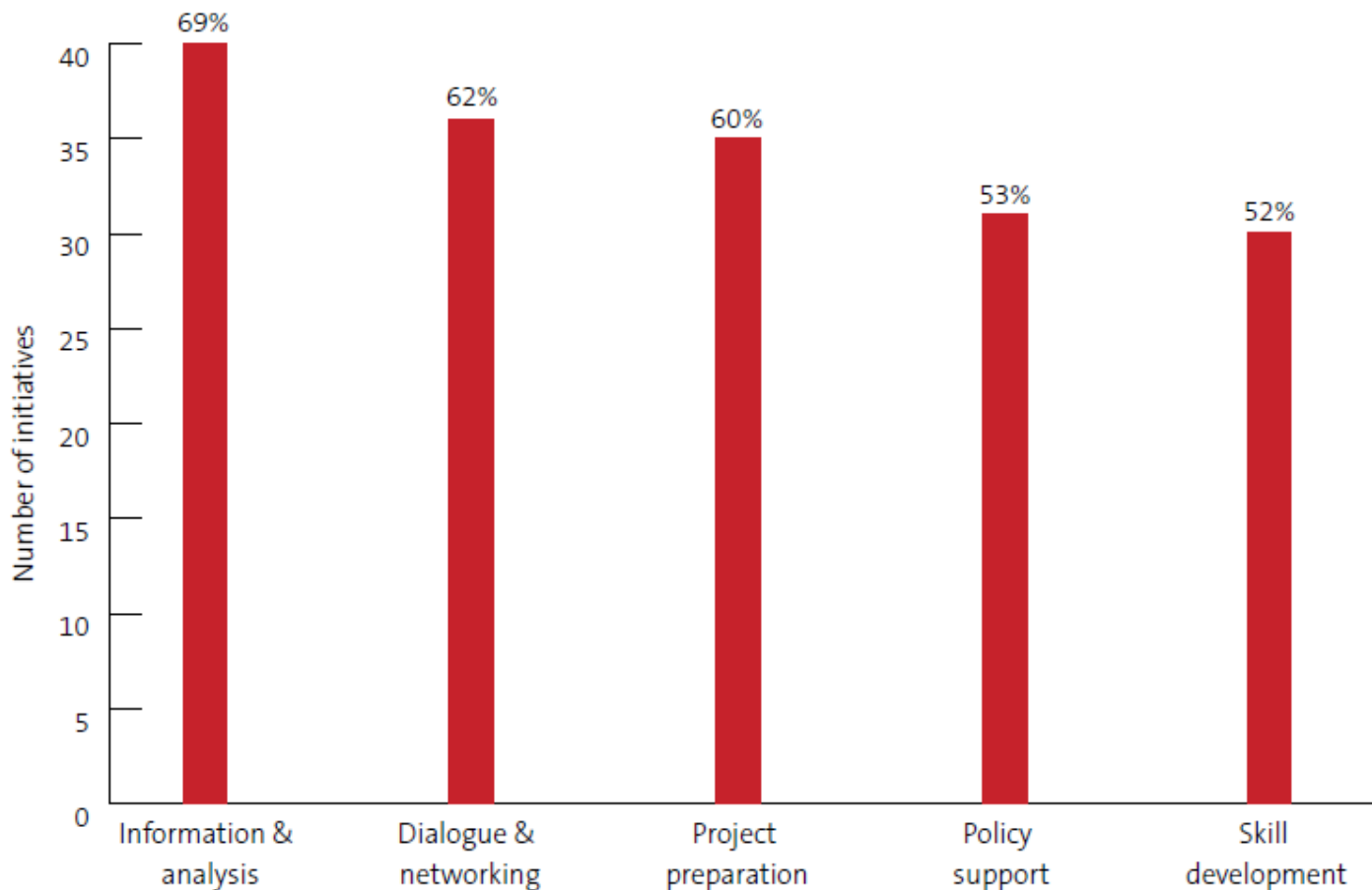
African partners involved in selected initiatives and programs

Scope for more programs on cooking energy



Sectors covered
by selected
initiatives and
programs

Skill development is the least common type of technical assistance



Types of technical assistance provided by the selected initiatives and programs

Consequences for African Energy Statistics

- African Statistical Yearbook – inadequate data on energy – **WHY?**
- GTF 2015: Efforts must be redoubled to get back on track; particularly in countries with large access deficits and high energy consumption whose rate of progress carries substantial weight in the global aggregate;
- triple current investment flows in order to achieve the necessary pace of progress; **HOW?**
- Synergy of the 58+ Energy partners – **hence the mapping exercise**



Suggested way forward

- Periodic updates of the Mapping of energy initiatives in Africa through the SE4All Hub
- Develop and keep a systematic updated Database of all actors and initiatives in the energy sector in Africa
- Ensuring coherence of energy initiatives in Africa
- Coordination of actors at continental level and feed back to regional and national levels where appropriate
- Linkage with SE4All Hub actions and other coordination efforts from other sectors
- Feed into other processes and international initiatives such as SE4ALL, AREI, PIDA, UN Agencies, G7, G20 and Others



Thank you for your attention!

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