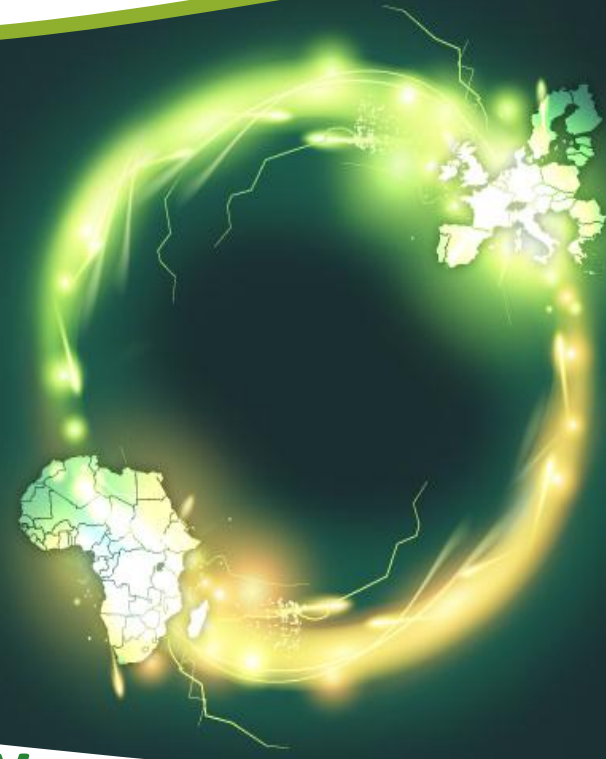




RECP

Africa-EU Renewable Energy
Cooperation Programme



Africa-EU Renewable Energy Cooperation Programme (RECP)

Presentation at the Global Conference on RURAL ENERGY ACCESS

SESSION 3: National, regional and global programmes for rural energy access

Addis Ababa, 4 - 6 December, 2013

crispen.zana@euei-pdf.org



**Africa-EU
Energy Partnership**

The Africa - EU Energy Partnership (AEEP)



In 2007

Objectives

- Mobilising additional resources for scaling up investment in energy infrastructure and mobilising private capital;
- Improved regional and intercontinental integration of energy systems and markets;
- Improved access to reliable, secure, affordable, climate friendly and sustainable energy for both continents;
- Improved institutional, technical capacities;
- Enabling environment for scaling up investments;
- Promoting of Renewable Energy and Energy Efficiency;
- Reduction of gas flaring

2020 Political targets

A: Energy Access

Bring access to modern and sustainable energy services to at least an additional 100 million Africans

Contributing to the SE4All



B: Energy Security

Double the capacity of cross border electricity interconnections, both within Africa and between Africa and Europe



Double the use of natural gas in Africa, as well as doubling African gas exports to Europe



Bring the current flared gas to the market

C1: Renewable Energy

**Build 10,000 MW
of new hydro-
power facilities**



C2: Renewable Energy

**Build 5,000 MW of
new capacity in
wind farms**



**Build 500 MW of
new capacity in
Solar Energy**



C3: Renewable Energy

Triple the capacity of the other renewable



C4: Energy Efficiency

Improve energy efficiency in Africa in all sectors, also electricity sector



What is the RECP?

- **Long-term programme** for cooperation between Africa and Europe on renewable energy
- Launched in 2010 at the First High-Level Meeting of the **Africa-EU Energy Partnership (AEEP)**
- Supporting the **development of renewable energy markets in Africa**
- Includes **all renewable energy technologies**, sources, applications
- **Meso-scale** renewable energy investments (mid-range € multi-million)
- Overall aim, contributing to the AEEP 2020 Political Targets on access and renewables



10,000 MW
of hydropower facilities



5,000 MW
of wind power capacity



500 MW
of all forms of
solar energy capacity

Other
Technologies

Tripling the capacity
of other renewables
such as geothermal,
and modern biomass.

RECP Approach

Outlined in RECP Strategy 2020

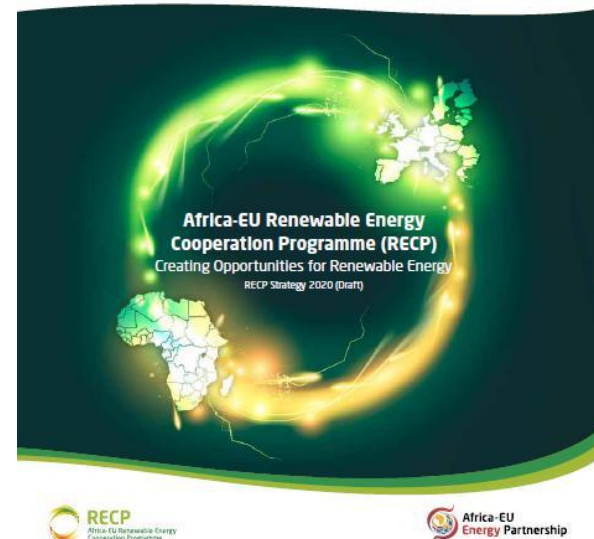
Four Action Areas:

- 1: Policy Advisory Services
- 2: Private Sector Cooperation
- 3: Project Preparation & Finance facilitation
- 4: Technology, Innovation & Capacity Development

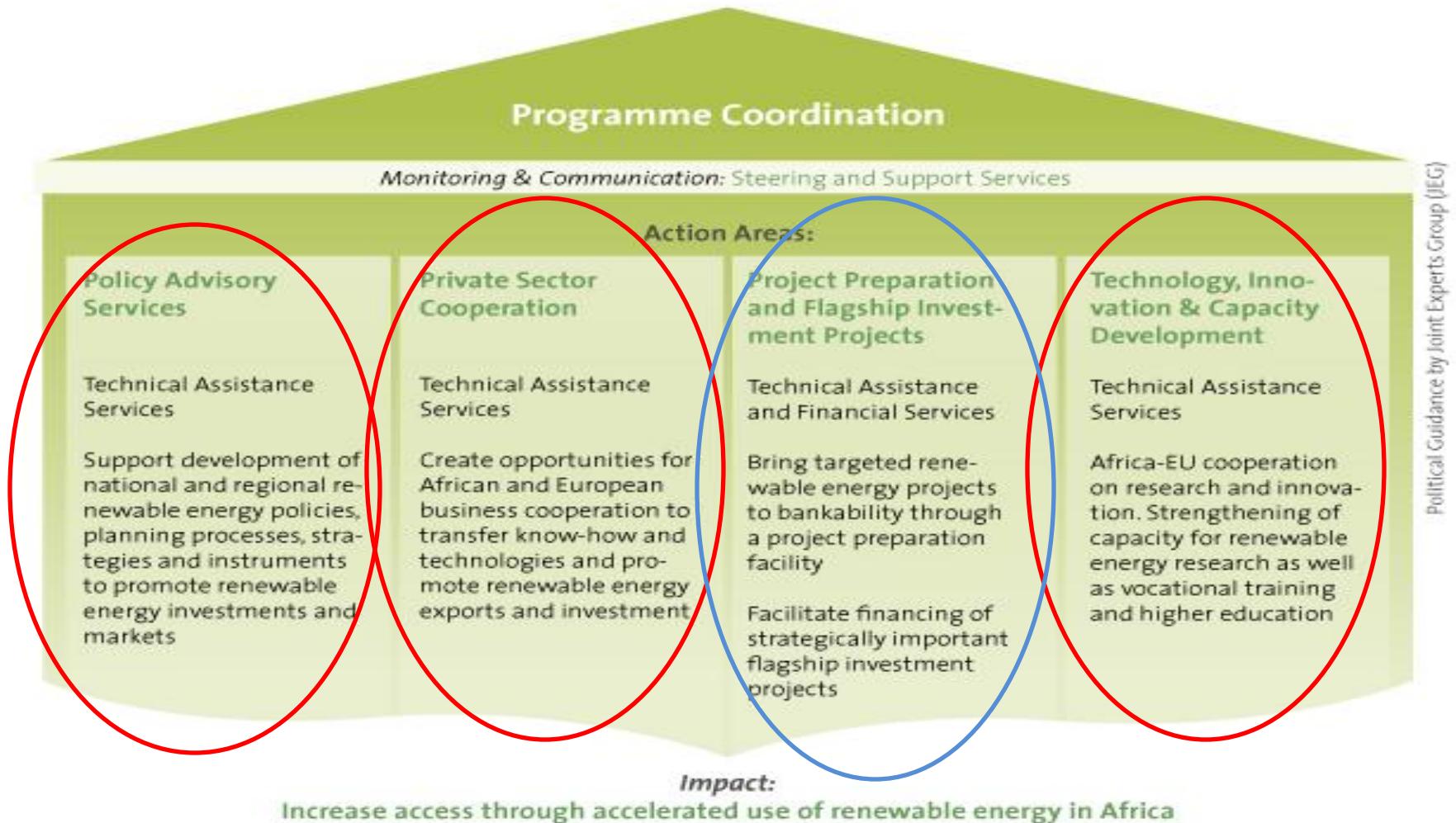
Integrated approach

Multi-donor & multi-implementer

Coordinating with and complementing action by others



Integrated and comprehensive programme



Action Area 1 (EUEI PDF): National Studies



Djibouti

Development of Electricity Strategy incl. RE and Draft Electricity Act

Ongoing
(12/2012 – 12/2013)

Partner: Ministry of Energy

Int. Partner: EU Delegation, AFD, EIB, World Bank

Inception workshop June 2013; scenarios currently under development



The Gambia

Development of an Electricity Strategy and Renewable Energy Law

Completed
(01/2012 – 12/2012)

Partner: Ministry of Energy

Int. Partner: GEF/UNIDO, EU Delegation

Final documents have been introduced at Cabinet level in government



Kenya

Renewable Energy Regulatory Capacity Development

Ongoing
(01/2013 – 03/2014)

Partner: Ministry of Energy, Kenya Association of Manufacturers (KAM)

Int. Partner: AFD

Final report draft on net metering available, training undertaken, FIT to follow

Action Area 1 (EUEI PDF): National Studies



Senegal

Implementing the Renewable Energy Law – Tariffs, Scenarios, Tendering, and model PPAs

Partner: Ministry of Energy, Electricity Regulatory Commission
Int. Partner: AFD, GIZ, IRENA, World Bank

Scenarios and Tariffs workshop in December 2013

Ongoing
(12/2012 – 02/2014)



Sierra Leone

Support with the preparatory phase of a Household Cooking Energy Plan

Partner: Ministry of Energy

Final mission late October 2013 including Ministries and meeting in Parliament

Ongoing
(12/2012-11/2013)



Rwanda

Geothermal Policy Support Initiative

Partner: MININFRA
Int. Partner: EU Delegation

RECP intervention central to Rwanda geothermal strategy

Ongoing
(11/2013 – 10/2014)

Action Area 1 (EUEI PDF): Regional Studies



ECOWAS

Regional Renewable Energy Policy Guidelines

Completed
(09/2011 – 10/2012)

Partner: ECREEE

Int. partners: EU Commission, ADA, AECID, UNIDO

Final Policy validated by Ministers in Oct. 2012 and Heads of State July 2013

Follow-up through ECREEE and bilateral programmes



SADC

Scoping study for Establishment of a Regional Renewable Energy Center (SACREEE)

Completed
(01/2013 – 08/2013)

Partner: SADC Secretariat

Int. partners: ADA, UNIDO, Finland

Validation workshop took place July 2013



RERA/SADC

Policy/regulatory options for Minigrids Employing Renewable and Hybrid Generation

Ongoing
(01/2013 – 4/2014)

Partner: Regional Electricity Regulators Association (RERA)

Work in pilot countries (Zimbabwe and Namibia) ongoing

Action Area 1 (EUEI PDF): Thematic Studies



Policy toolkit for Mini-grids (employing renewables)

Ongoing
(12/2012 – 03/2014)

Int. partners: REN21, ARE

Dissemination: through workshops in 2013 and 2014
(1st in Sept 2013)



Localisation of the renewable energy value chain

Planned
(01/2014 – 08/2014)

Int. partners: IRENA

Action Area 1 (EUEI PDF): Dialogue Events



Four Events to share experience and knowledge on

- Renewable energy and hybrid mini-grid policy options
- Vocational Training for renewable energy
- Higher Education for renewable energy

4 events in 2013 and 2014



Africa-EU Private Sector Cooperation: Matchmaking for win-win business opportunities in the renewables sector? *Vienna | Austria*

29 May 2013



Roundtable: Renewable Energy Forum for Venture Capitalists
Brussels | Belgium

26 March 2013



4th African Rift Geothermal Conference (ARGeo-C4):
Solution to Africa's Energy Needs?, *Nairobi | Kenya*

22-23/11/2012



ECOWAS-GFSE-GEF-UNIDO High Level Energy Forum and First International Off-grid RE Conference (IOREC), *Accra | Ghana*

29/10-2/11/2012



WINDaba 2012: Localisation of the Renewable Energy Value Chain
Cape Town | South Africa

22-24/10/2012

Action Area 3 (AFD): Project Prep. & Mobilisation of Funding

- AFD has adopted a pragmatic strategy, taking into account the various values chains. The technical assistance & capacity building activities focus on four areas:
 - **1. Scaling up on-grid RE investments**
 - **2. Enhance energy access RE projects**
 - **3. Mobilize new financial instruments to support RE**
 - **4. Knowledge sharing & dissemination of best practices**
- *=> Half of the planned activities are completed*

Action Area 4 (EUEI PDF): Vocational and Higher Education

- Funding by Austria and Finland for work on vocational training and higher education
- For both components: scoping study and consultation / kick-off workshop

Higher Education

- Scoping study to be launched soon
- Consultative workshop to take place early 2014

Vocational training

- Workshop in Maputo, MOZ on 16-17 Oct 2013
- Participants: from 13 countries (training institutes, private, government, experts)

Action Area 4 (EUEI PDF): Vocational training: Maputo workshop

Main findings of study and workshop

- Skills and needs assessment prior to interventions
- Two diverse, often immature sectors
- Renewables starting to be integrated into official vocational training systems
- Linkages to private sector underexploited; Entrepreneurial skills important
- Capacities and knowledge of trainers limited
- Improving gender equality through quotas, scholarships, awareness, etc.
- Learning from project-based RE training activities in wider system
- Accreditation and certification for acceptance of acquired skills
- Further education
- Potential for regional and South-South cooperation

Action Area 4 (EUEI PDF): Vocational training: way forward

Based on main findings, activities are likely to include:

- Multi-stakeholder platforms to initiate dialogue between relevant actors
- Thorough analysis of needs in labour and renewable energy markets
- Curriculum development
- Design of new courses, course material
- Train-the-trainers programmes
- Facilitation of exchanges of lecturers and students
- Support to improvement of qualification certification schemes
- Facilitation of regional and South-South cooperation
- Support in marketing activities of training institutes

Activities to be launched with training institutes in late 2013/early 2014

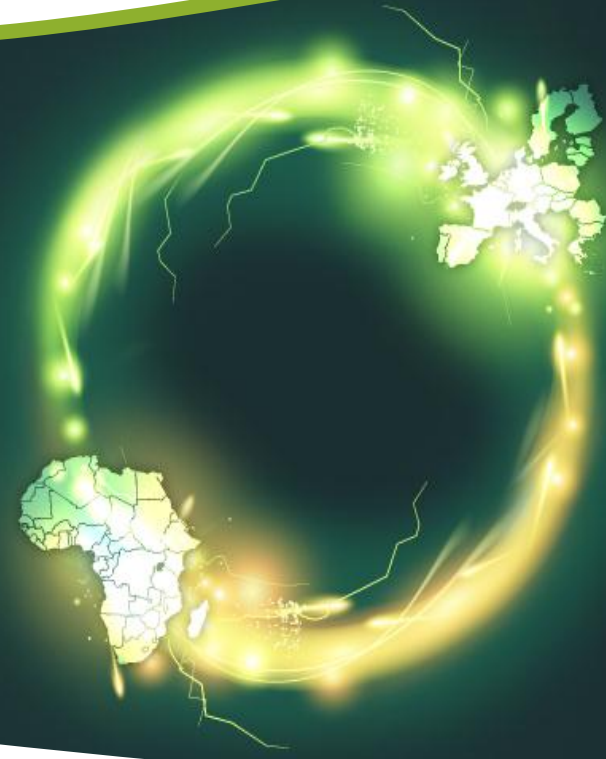
Conclusions and Recommendations

- All countries in Africa have a common problem of being far away from achieving sustainable energy systems despite huge Renewable Energy potential => cont. & increase efforts.
- Developing countries with fast growing industry struggle to use cleaner forms of energy, hence emphasis on RE.
- With clearly defined, coherent and transparent **Renewable energy policies**, the energy industry will be able to mobilize the natural and human resources, finances and technologies necessary to realize sustainable energy systems.
- Renewable energy policies formulated from bottom-up are more likely to be successful than high level regulations.
- Regional integrated renewable energy policies that can harmonize regulations across nations, sectors and markets are more likely to stimulate investment support mechanisms.
- The **RECP provides an integrated approach to market development**, including recognition of the key role of industry and private investors.



RECP

Africa-EU Renewable Energy
Cooperation Programme



Thank you!

www.africa-eu-renewables.org

www.euei-pdf.org

ingmar.stelter@euei-pdf.org ; T +49 61 96 79-6312

philip.mann@euei-pdf.org ; T +49 61 96 79-1290

peter.cattelaens@euei-pdf.org ; T +49 61 96 79-2682

crispen.zana@euei-pdf.org ; T +251 922 724 634

cheikh.diakhate@euei-pdf.org ; T +251 912623240



**Africa-EU
Energy Partnership**