



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE



Global Network of Regional Sustainable Energy Centers

– From the region for the region –

Martin Lugmayr, GN-SEC Coordinator, Department of Energy, UNIDO
Regional Validation Workshop on the Clean Energy Centre for the ECO region
23 June 2020, Iran, Tehran





Global Network of Regional Sustainable Energy Centers

Vision: *We accelerate the energy and climate transformation in developing and transition countries by creating regional markets for sustainable energy product and services*

Mission: *We support economic communities in the establishment of regional sustainable energy centers addressing market barriers through joint approaches*

2010

Africa and Arab region



2020

*Adopted by
108 Ministers
of Energy!*

Latin America and Caribbean



Asia and Pacific region



Under preparation



Clean Energy Centre for the ECO region



Central African Centre for Renewable Energy and Energy Efficiency



A platform for joint learning and south-south cooperation

- “Makerspace” to cooperate on issues and solutions of mutual interest
- Joint web-platform to disseminate information www.gn-sec.net

Core partners



And many other partners for concrete activities



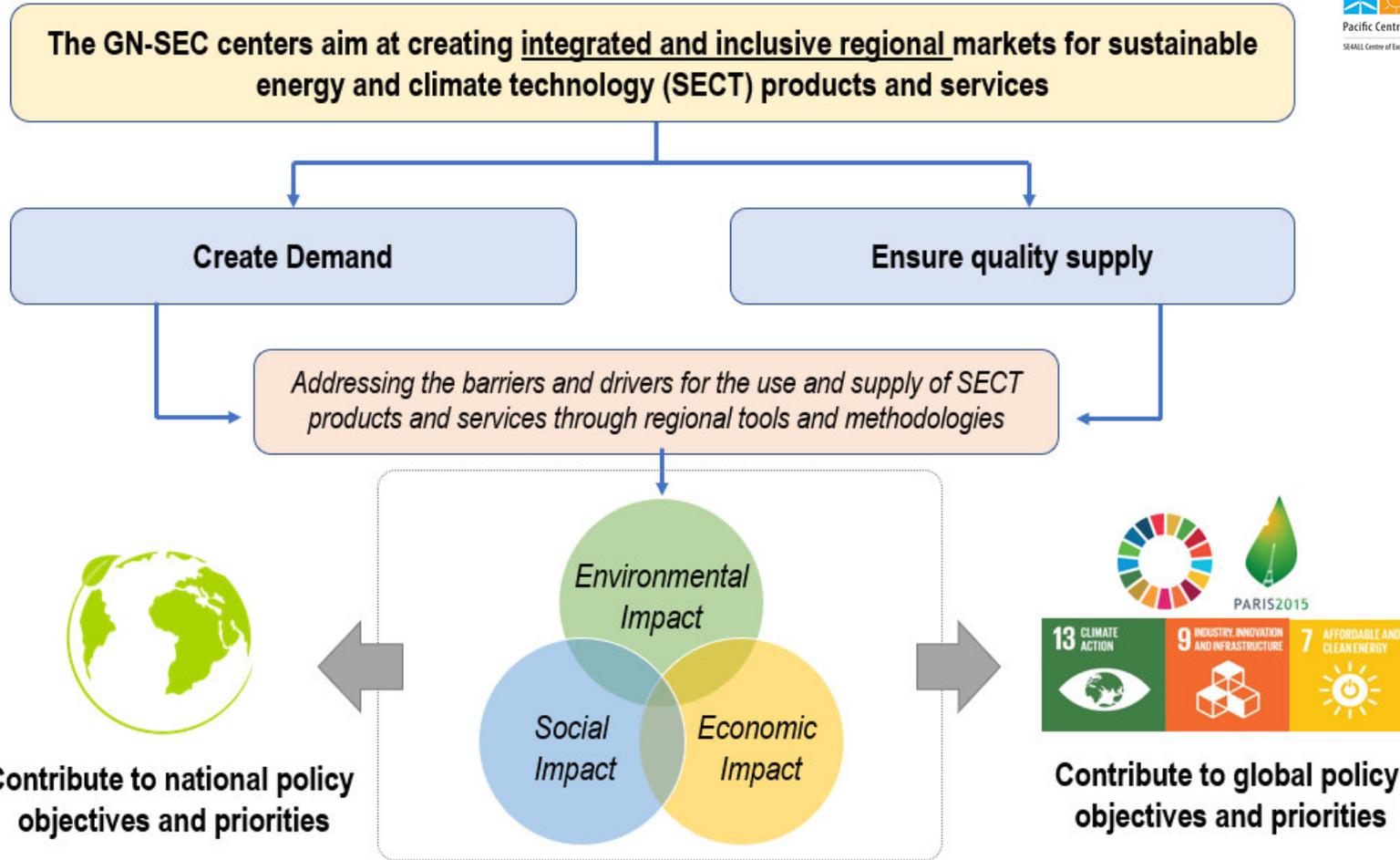
Benefits of regional sustainable energy cooperation

- Equal access to low-carbon resources through regional energy trade
- Address barriers more effectively and at lower costs regionally
- Avoid duplication of efforts and isolated national/donor approaches
- Equal progress of the region through joint learning and coordination
- Economies of scale through common RE&EE markets following joint standards
- Regional capacity to support and monitor national RE&EE implementation
- Ownership and priority-setting by the region for the region
- Missing regional link between international climate finance and national implementation
- Regional de-risking/mobilization of private sector participation, FDI and project finance (equity, concessional, non-concessional)
- Higher regional added value through local content requirements, supply chains, entrepreneurship and innovation





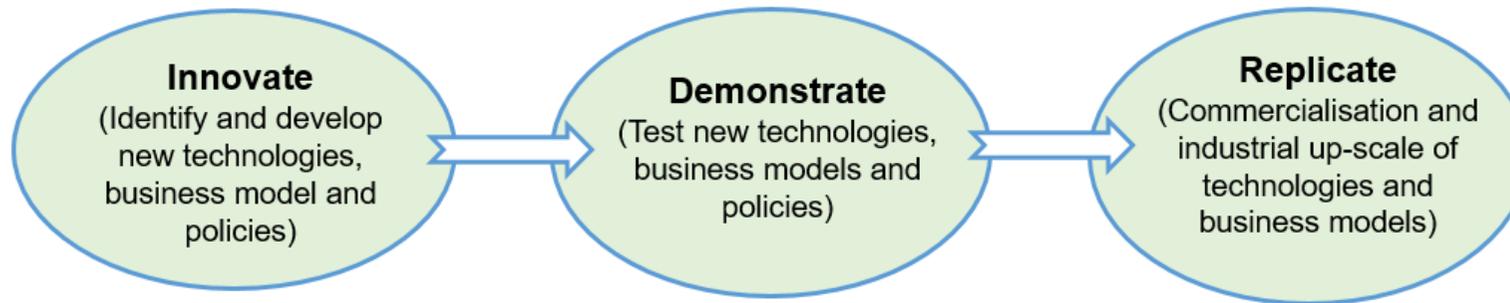
Mission and Vision of GN-SEC centres





Regional market introduction and industrial-upscale of RE&EE technologies, products, services and business models

Diffusion stages of new low-carbon technologies and business models



Demand and supply-side barriers to be addressed



Towards low-carbon sustainable energy systems and infrastructure





UNIDO's support model is implemented in three phases:

Preparatory Phase

Consultative needs assessment undertaken

A project document on the technical and institutional design developed

Consultative and validation workshops organized

Initial funding for the first operational phase mobilized

Approval of the project document and establishment of the Centre by Energy Ministers

1st Operational Phase

Selection of a host country/ organization

Selection of the Director and recruitment of local and international quality staff

Establishment of the Centre's Secretariat, its institutional structure and internal proceedings (staffing, finance, accounting, procurement)

Organization of the governing meetings and establishment of the National Focal Institutions (NFIs)

Development of a long-term Business Plan

Development and the start of implementation of RE&EE flagship programs and projects

Continued fundraising

Preparing for independent work without UNIDO's institution-building support

2nd Operational Phase

Further consolidation of the institutional structures and expansion of technical program portfolio based on an external evaluation

The Centre starts to implement major donor-funded RE&EE programs and projects

Partnership with UNIDO transforms into a partnership for project execution

If necessary, UNIDO continues to provide limited capacity-strengthening support to the Centre





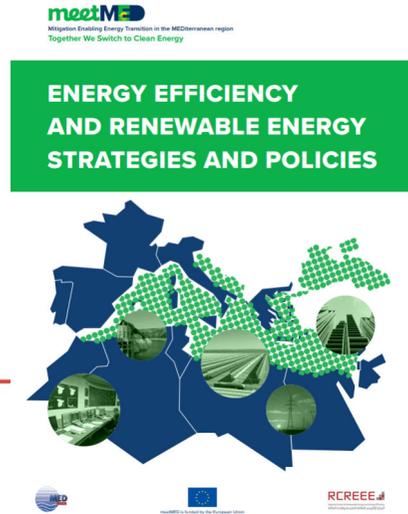
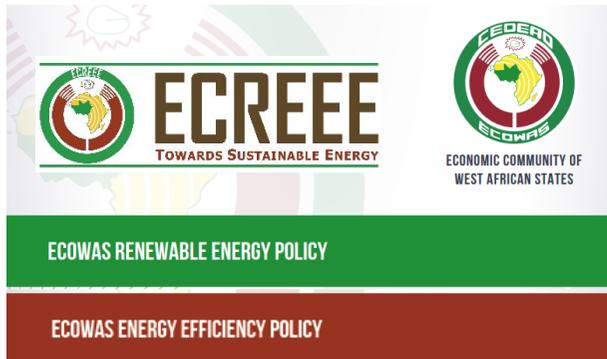
Guiding GN-SEC Principles

- Programmatic approach (individual centres are part of a wider program);
- Demand-driven (based on requests by the regions);
- „No blueprints“ and tailored design to the individual needs of the region;
- Ownership and leadership by the regional organisation and their Member States;
- Hosted by an existing domestic institution or a Member State;
- High level of legitimacy based on legal agreements and approval by Ministers;
- Well embedded in sub-regional decision-making and policy processes;
- Well-connected to national Ministries and policies;
- Complementary to existing regional energy institutions (e.g. utility organizations);
- Use of domestic processes and systems (e.g. procurement, recruitment);
- Sustainability through domestic contributions, int. partnerships, fee-for-service and participation in call for proposals;
- „Small is beautiful“ and „form follows function“;
- Institutional "check and balances" through Governance (e.g. Executive Board);
- Timely-limited UNIDO support for institution building;





Examples: Regional plans, policies and national action plans



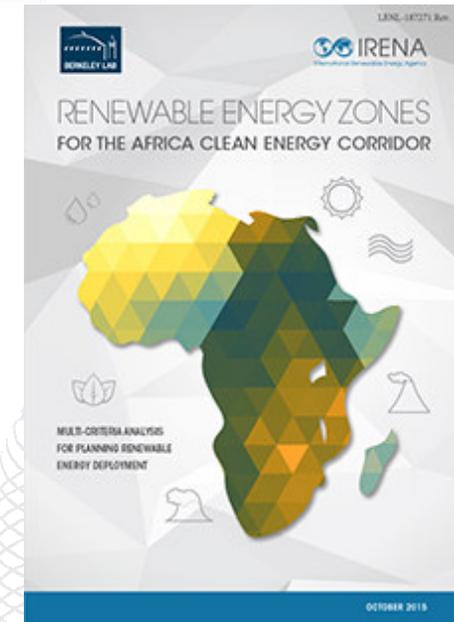
Towards a Harmonised African Electricity Market



Arab Renewable Energy Framework (AREF) & National Renewable Energy Action Plans Template (NREAP)

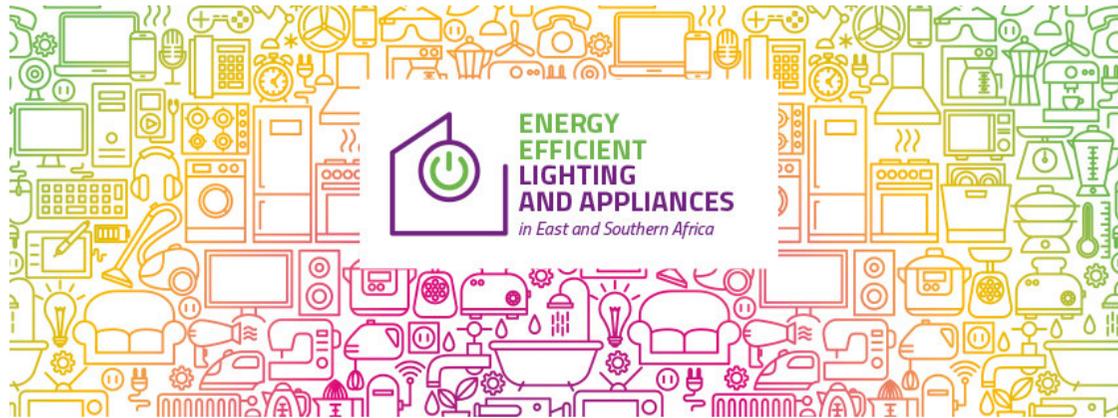


National Energy Efficiency Action Plans (NEEAP) End Use Electrical EE Guidelines





Examples: Regional standards and certification of products and services



Clip slide

Solar Heaters Arab Mark and Certification Initiative

Prepared by:
Ashraf Kraidy, Eng. E, MSc
Program Manager, RCREEE
SHAMCI Network Coordinator



Pacific Appliance Labelling and Standards (PALS) Project Promoting Energy Efficiency



INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT



Meeting of the Technical Committee of the Regional Certification Scheme for Solar PV Installers

Towards Sustainable Energy





Examples: Regional de-risking and entrepreneurship support

Renewable Energy Entrepreneurship Support Facility for Southern Africa

Apply for technical support
Acquire knowledge to manage and grow your renewable energy business

Deadline: 15 November 2019 | Details: www.sacreee.org

ESF

ECOWAS Renewable Energy Entrepreneurship Support Facility

Pacific Community
Communauté du Pacifique

PCREEE
Pacific Centre for Renewable Energy and Energy Efficiency

PCREEE Sustainable Energy Entrepreneurship Facility (PSEEF)

CALL FOR APPLICATION

ROGEP
Regional Off-Grid Electrification Project

Training Workshop under
ROGEP Entrepreneurship Support Facility

Paloma Hotel - Accra, Ghana / 20 - 23 June 2018
www.ecreee.org

Financed by With support from

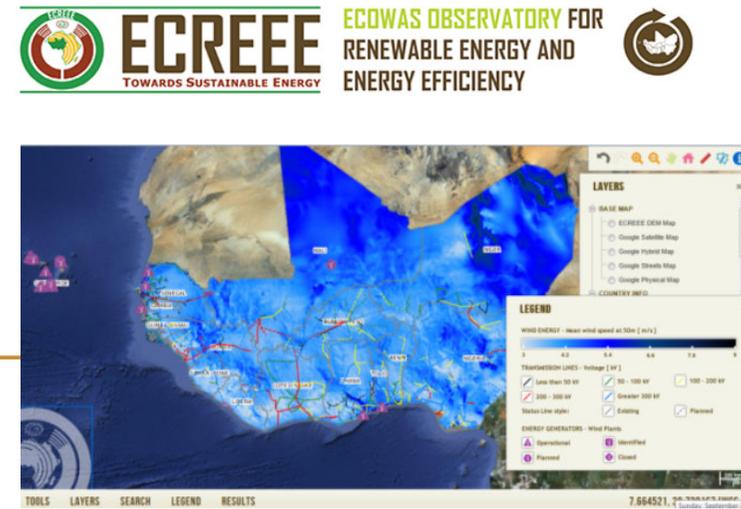
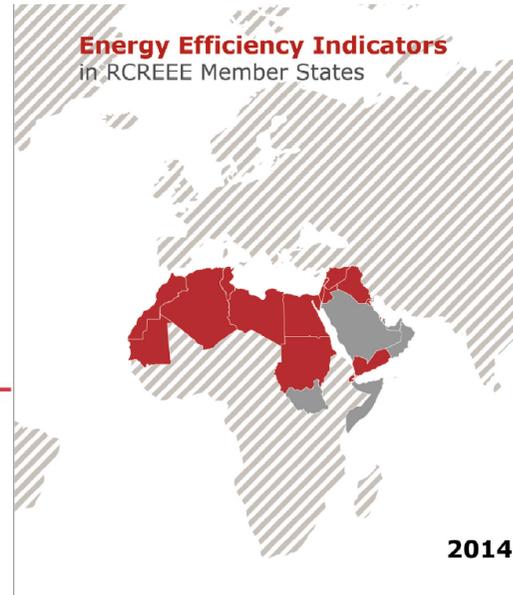
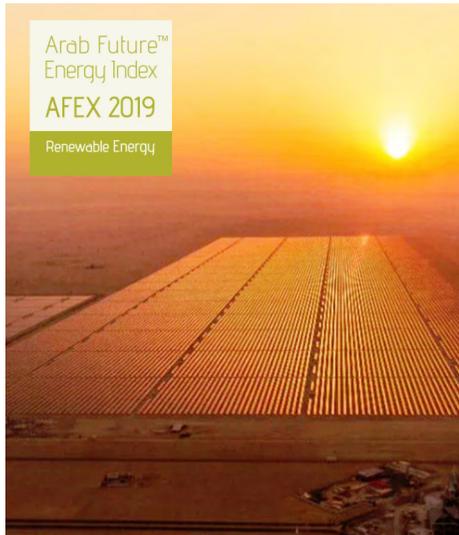


Save the Date! West Africa Forum for Climate
Clean Energy Financing, April 12, 2018





Examples: Regional information/data management and analytics



Global Network
Regional Sustainable
Energy Centres

*GN-SEC library with more than
2.000 regional documents*



Examples: Regional EV policies and programs in SIDS



HOME ABOUT ACTIVITIES NEWS AND EVENTS

PCREEE and UNIDO join efforts to develop a regional e-mobility policy for Pacific Island Countries and Territories (PICTs)

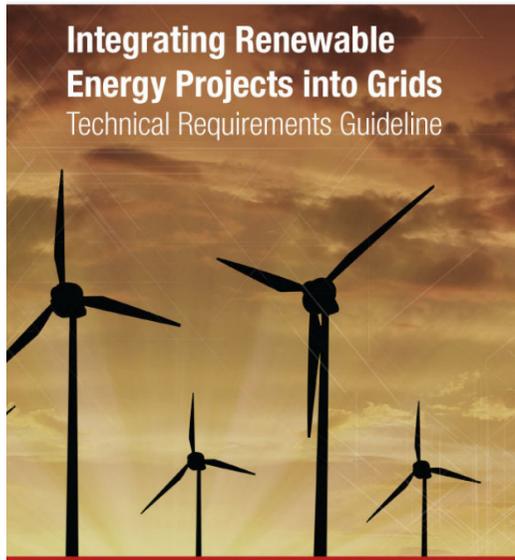


CARICOM REGIONAL ELECTRIC VEHICLE STRATEGY (REVS) FRAMEWORK





Examples: Regional guidelines, practical models and tool-kits



Egyptian Solar PV Feed-in-Tariff Procedures for Large Scale Projects

A guideline for investors

CLICK HERE

Explore the Renewable Energy Tariff Calculation Toolbox for West Africa

COVID-19 and the Energy Sector: Perspectives for Policymakers



Regional partnerships on technical guidelines and standards for small hydro power development

Posted on Dec 17 2019

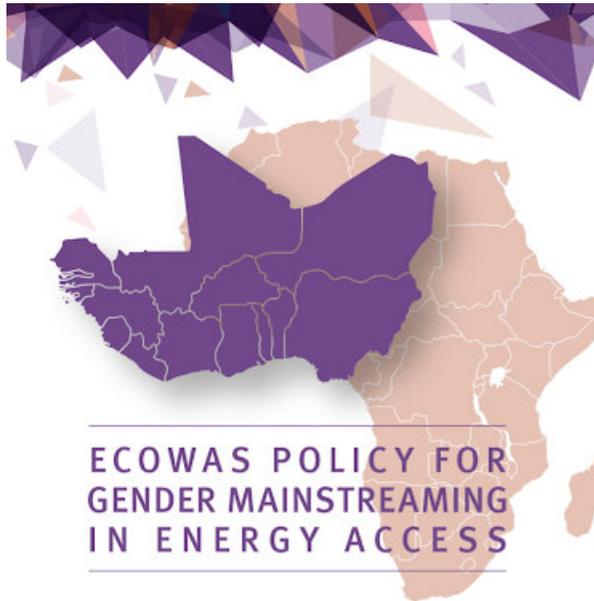


Capacity Needs Assessment for Green Banking in the MENA Region

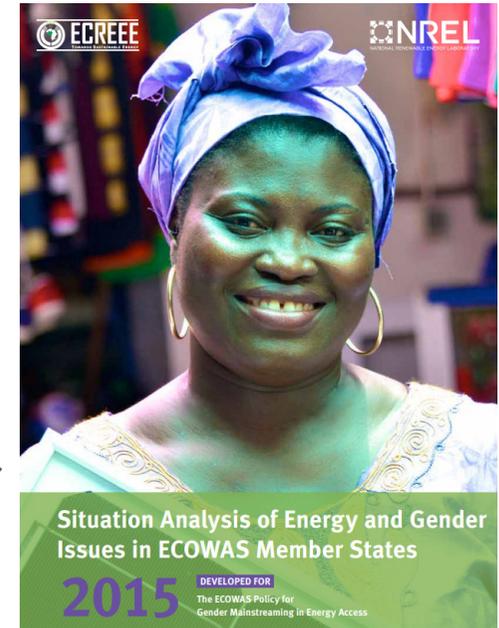
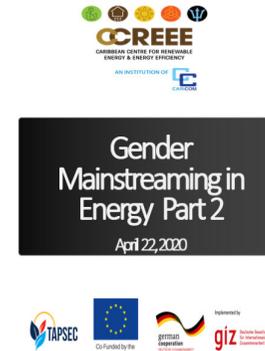




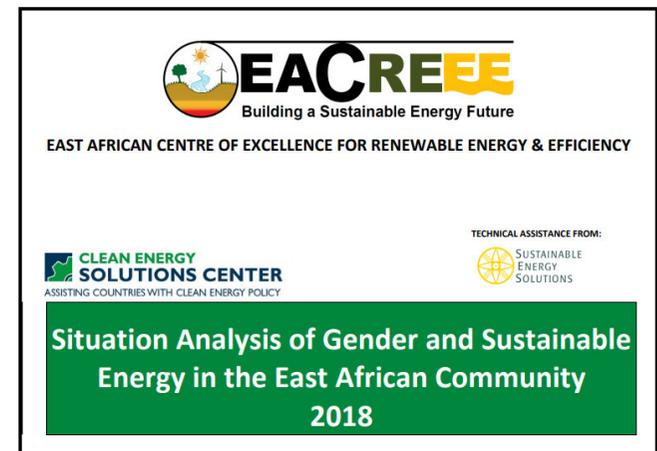
Examples Mainstreaming gender in sustainable energy



ECOWAS POLICY FOR
GENDER MAINSTREAMING
IN ENERGY ACCESS



PFAN, ECREEE and CTCN Call for Proposals:
Women-led Sustainable Energy Enterprises in West
Africa





UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE
INDUSTRIAL DEVELOPMENT



Examples: Awareness and advocacy





Examples: Global GN-SEC advocacy



SAMOA Pathway Midterm Review: "Mission Transforming Island Lives! The Network of Regional Sustainable Energy Centres for Small Island Developing States"





Welcome to the GN-SEC makerspace!

Where the day has more than 24 hours!

Mr. Martin Lugmayr,
Climate Policy and Partnerships Division
UNIDO

GN-SEC Contact:

info@gn-sec.net
www.gn-sec.net

