



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

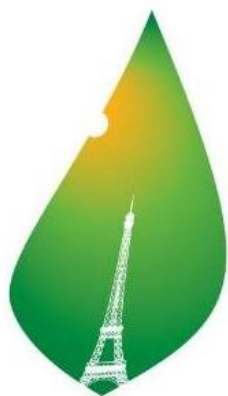
UNIDO's contributions to tackle climate change : COP 22 outcomes and the way forward



ACP House
Brussels, Belgium
March 2017



From COP21 to COP23



PARIS2015
CONFÉRENCE DES NATIONS UNIES
SUR LES CHANGEMENTS CLIMATIQUES
COP21•CMP11



MARRAKECH 2016
COP22 | CMP12 | CMA1
UN CLIMATE CHANGE CONFERENCE



Organized by Fiji

**Adoption of the Paris
Agreement**



**Rulebook for the implementation of
the Paris Agreement**

UNIDO's Mandate: Inclusive & Sustainable Industrial Development (ISID)

Thematic Areas:



Creating shared prosperity



Advancing economic competitiveness

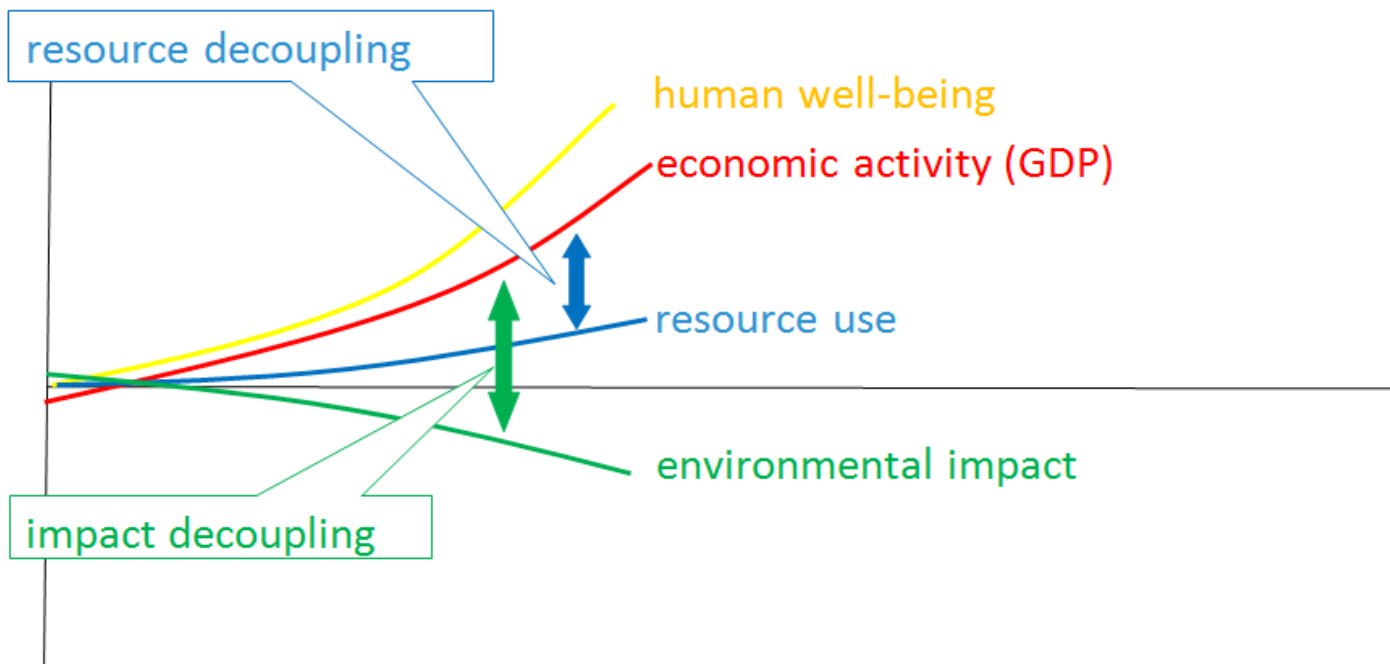


Safeguarding the environment

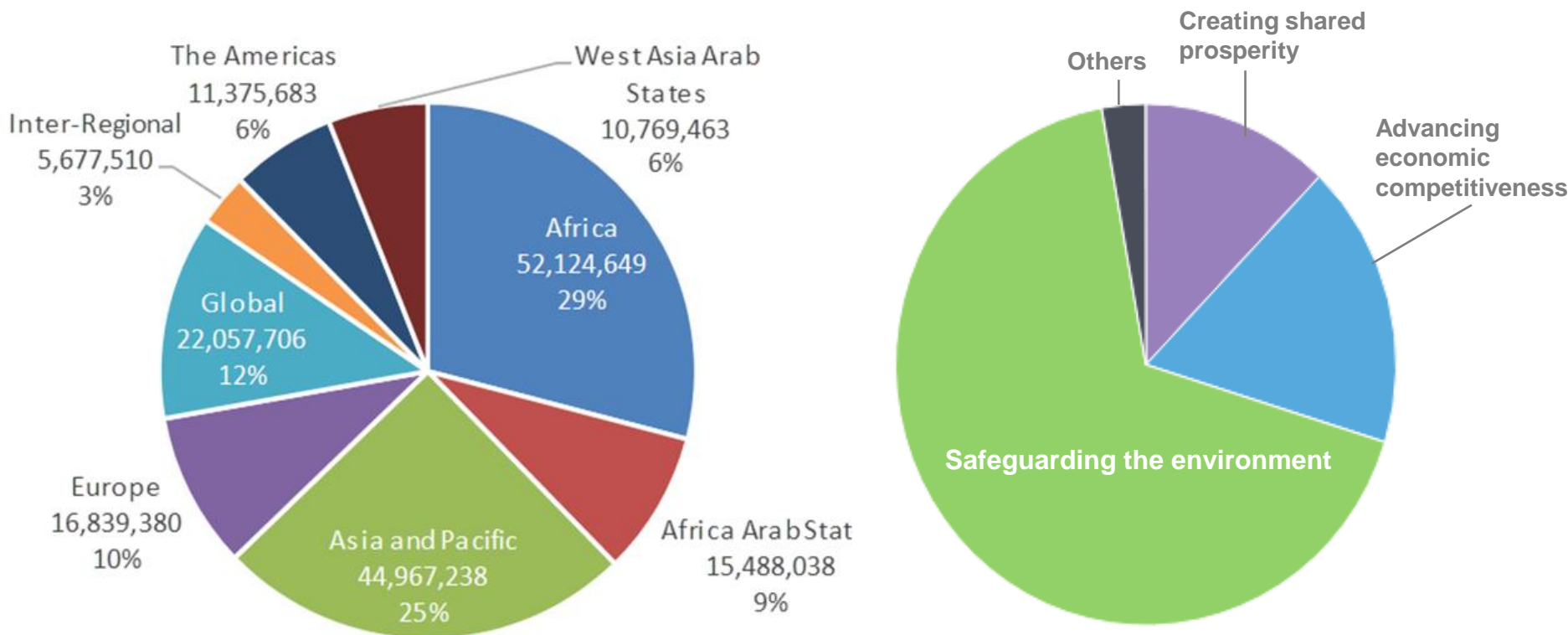
Achieving **equitable & sustainable** social, economic and environmental growth while mainstreaming women and youth.

Inclusive and sustainable industrial development

- produce more with less
- economic progress with less environmental impact

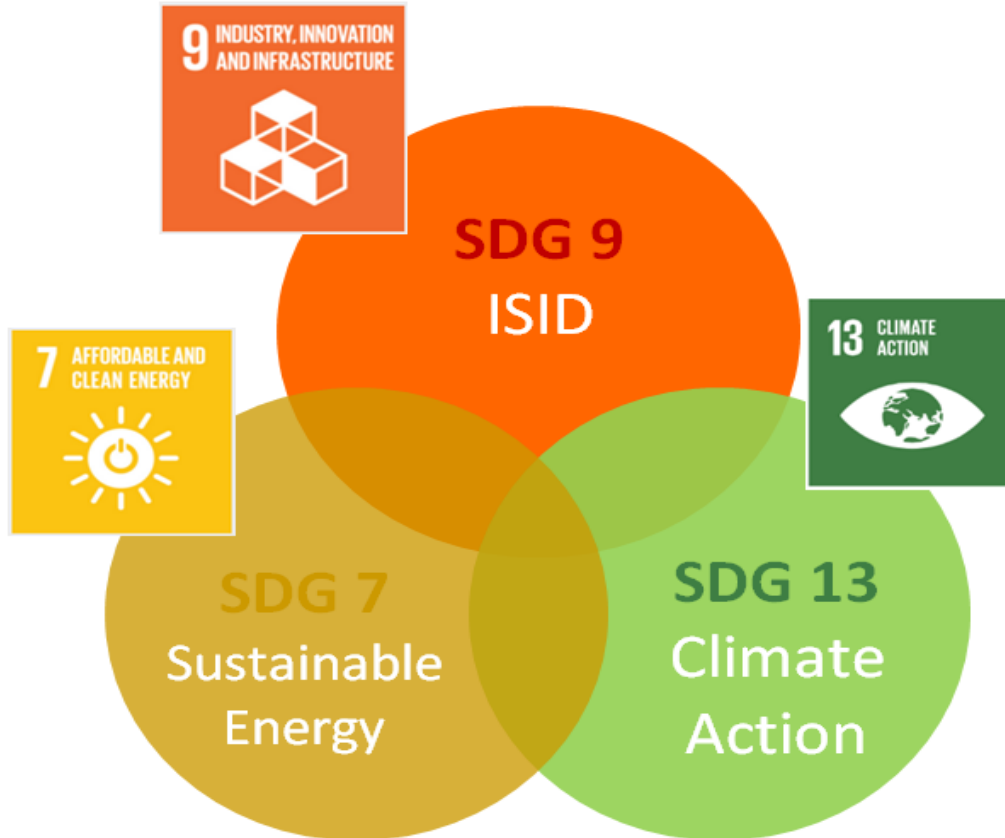


UNIDO's Global Technical Cooperation Portfolio



Technical cooperation per region and thematic area (2016)

UNIDO's contributions to climate change



- Low-carbon technology transfer
- Clean technology innovation
- Innovative financing instruments
- Knowledge management and capacity building
- International and regional cooperation
- Multilateral environment-related agreements
- Integrated approaches

Our programmes and projects support all the focus areas of the [ACP Action Plan](#).



Partnership with the EU and ACP

European Union



African Caribbean Pacific



- Relationship Agreement (1993)

- Technical Assistance
- Industrial Cooperation
- Industrial Studies, Analysis

- Facts of cooperation (2006-16)

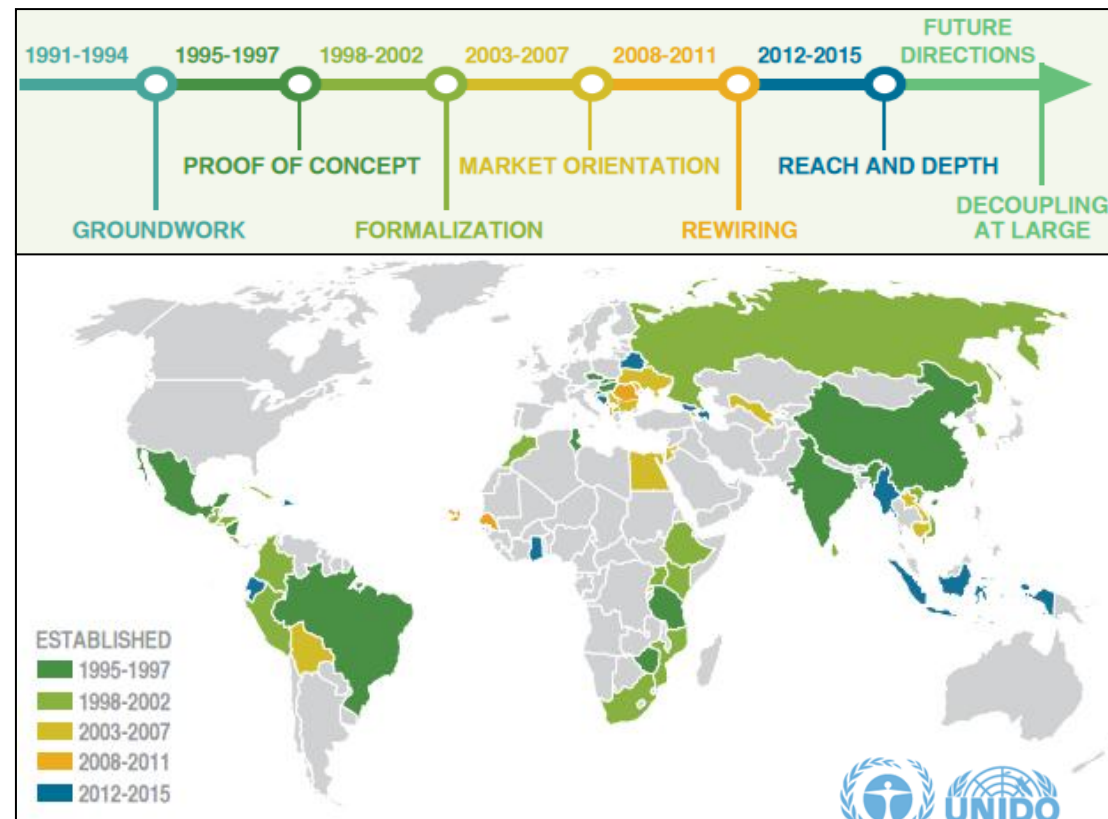
- More than €130 million
- More than 100 countries

- Relationship Agreement (2011)

- Support of inclusive industries, particularly agro-industries, for job creation & poverty reduction
- Strengthen competitive industries, the private sector and TCB
- Develop environmentally friendly industries for sustainable dev.

Resource Efficient and Cleaner Production Centers (RECP): Knowledge management, capacity building and technology transfer

- Integrate **preventive environmental strategies** to processes, products and services to increase efficiency and reduce risks to humans and the environment
- Initiatives include: **eco-industrial parks**, innovative **chemicals management** and **low-carbon industrial development**



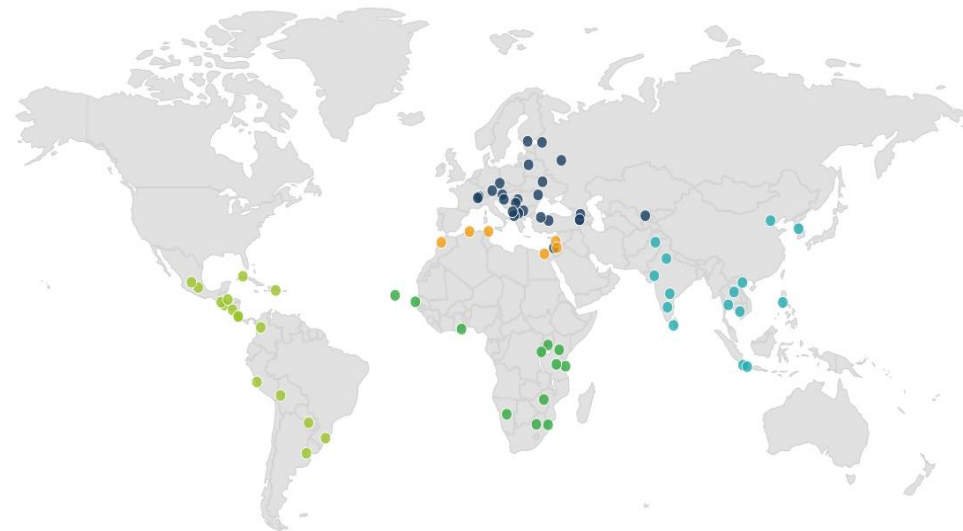
Global Network For Resource Efficient And Cleaner Production(RecPnet):

International and regional cooperation

- The network has over 70 providers to catalyze the widespread application RECP
- Specialized technical and advisory services and North-South, South-South and South-North-South collaboration, including the transfer of RECP-relevant knowledge, experiences and technologies
- It captures and disseminates best practices RECP information and knowledge



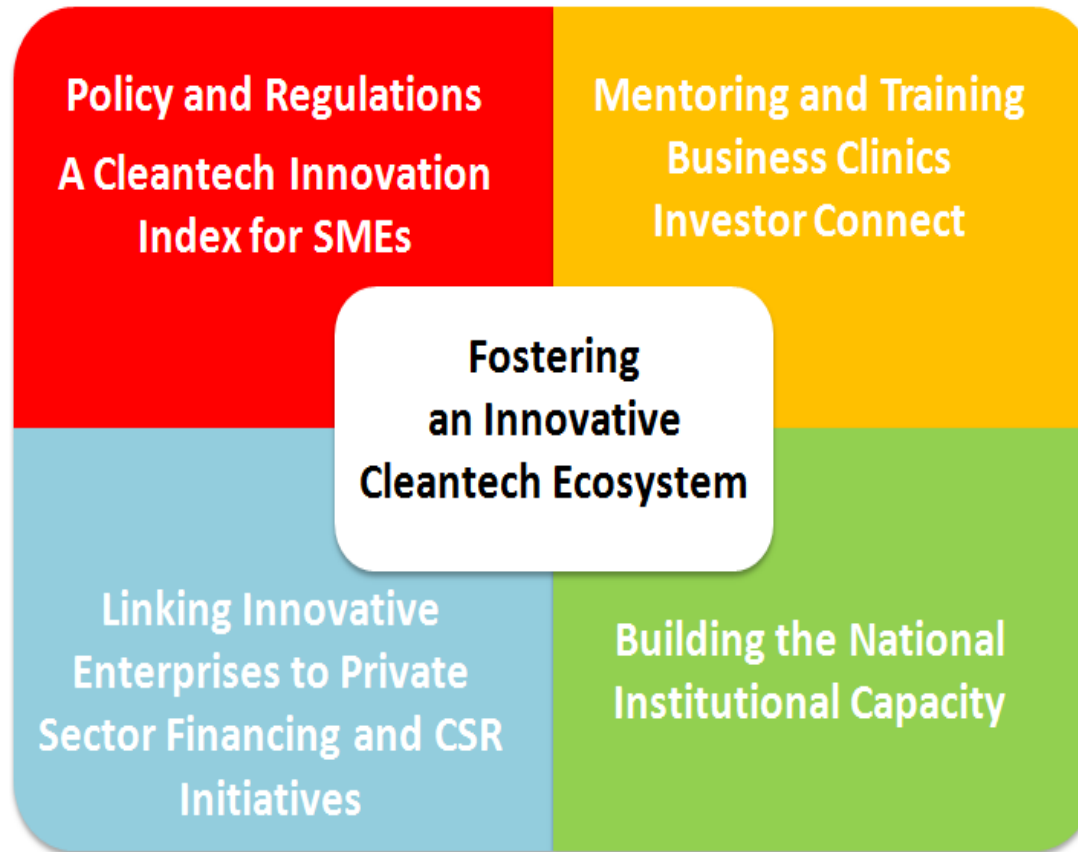
RECP*net*





Global Cleantech Innovation Programme (GCIP) for SMEs:

Clean technology innovation and entrepreneurship



Private Financing Advisory Network (PFAN): Innovative financing instruments

- Increased linkages with commercial banks
- Facilitates investment (hard cash) and provide soft support (training, awareness)
- Standardizes financing instrument for replication
- USD 1.2 billion raised



Towards an ACP Network of Regional Sustainable Energy Centres:

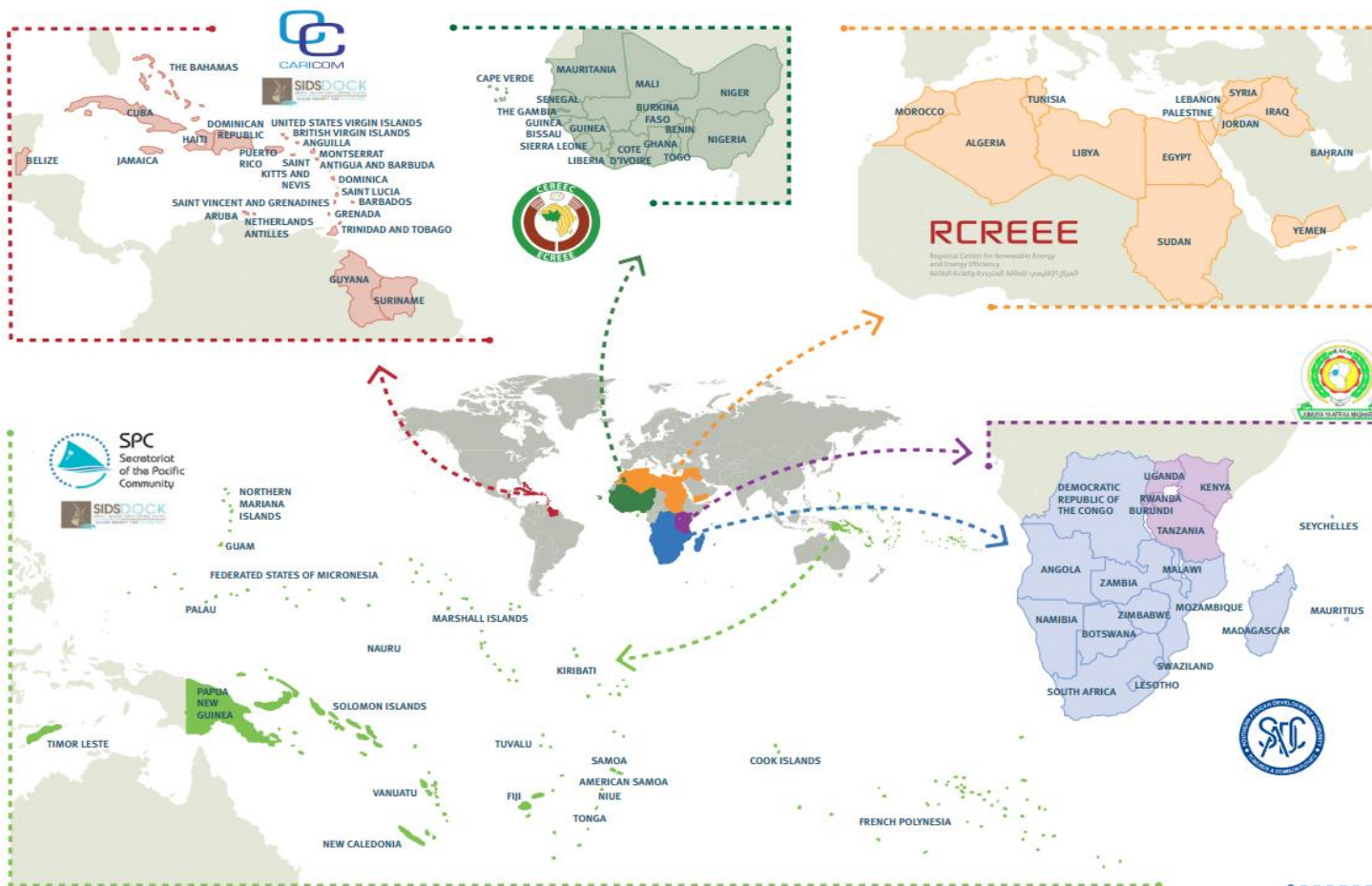
International and regional cooperation



Accelerate and complement national efforts through regional interventions.



Global Network of Regional Sustainable Energy Centres



- **Tailored Policy Frameworks and Quality Standards**
- **Facilitate Capacity building**
- **Advocacy, Awareness Raising, KM and Networking**
- **Implementation of RE and EE projects**

Examples of UNIDO's Technical Cooperation in the field of Energy

Promoting market based development of small to medium scale RE systems, Cabo Verde



- Business strategy for marketable RE solutions
- Comprehensive legal and regulatory frameworks
- Pilot installations: solar thermal in 2 hospitals, PV systems for ice production and water pumping, etc.
- RE/EE awareness raising campaign for primary schools

Delivery of Renewable Energy Based Modern Services in Isla de la Juventud Cuba



- A large biomass gasifier plant (3.5 MW) for power generation
 - Four gasifier applications (about 6 MW thermal) at four industrial sites for heat production
- Wind farm to produce 1.5 MW of electricity
- Revolving Fund for new projects

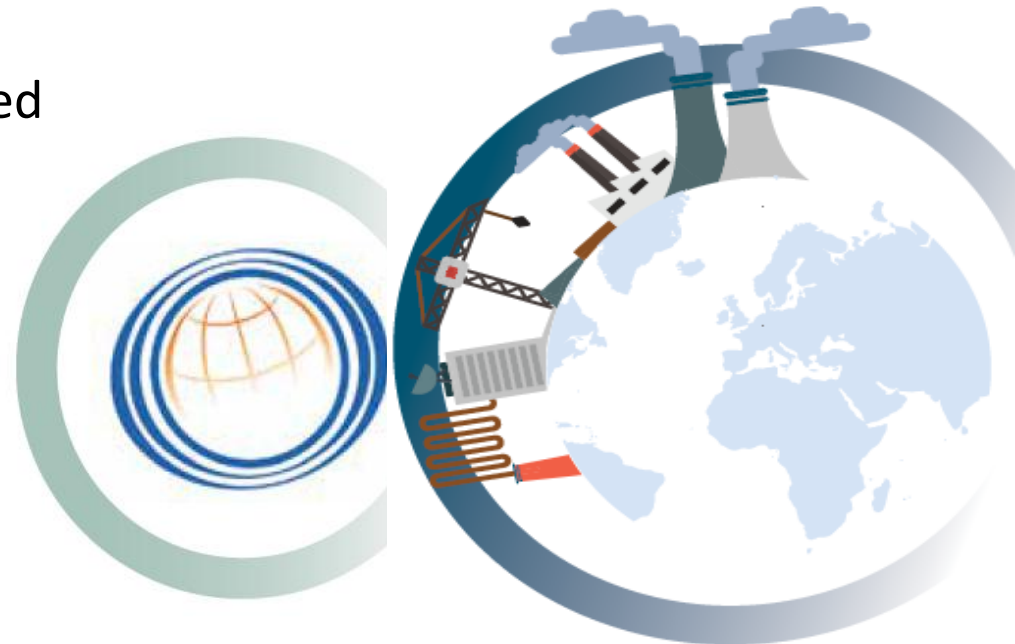
Sustainable Energy in SIDS - Connecting to the grid, Grenada, Solomon islands, Samoa



- Solar-powered community centre for training, productive use and income generation
- Strategic Plan for utilities drafted and under implementation (together with PPA)
- Regional Assessment of RE and EE potential in Pacific Islands
- Training on financing Grenada

Montreal Protocol: Multilateral environment-related agreements

- The MP phases out ozone depleting substances and phase in new ozone and climate friendly alternatives
- The MP is a significant force vs climate change as many ozone depleting substances also contribute to global warming
- In 2016 in Kigali, the Parties extended the MP include industrial climate gases (HFCs)
- Around 1,400 projects have been completed by UNIDO since 1992 phasing out 71,000 tons of ozone depleting substances per year



Sustainable Cities Programme: Integrated approaches

- More than **half of the global population** today **live in cities**. By 2050, this is expected to increase to two-thirds.
- **Sustainable Cities** are vital to ensure people, the urban infrastructure and the local ecosystem do not suffer due to unsustainable urban growth.
- GEF's Sustainable Cities Integrated Approach Pilot (SC-IAP) support cities to address environmental degradation caused by rapid urbanization. UNIDO has projects in **Senegal, Malaysia, Cote d'Ivoire, China and India**.



Thematic streams:

- Climate resilient industries
- Climate smart city service delivery
- Value chain development
- Sustainable transport

Climate Technology Centre and Network (CTCN):

Low-carbon technology transfer

- Operative arm of the UNFCCC Technology Mechanism
- CTCN is hosted by UNEP and UNIDO
- Aims to enhance the **development and transfer of technologies** to developing countries
 - Affiliated networks
 - 11 independent, regional and global consortium partner organizations with expertise in climate change technologies
 - International network of 100+ academic, multilateral, NGO and private sector institutions
 - Strategic Partners

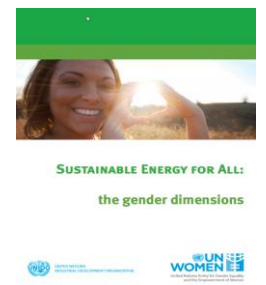
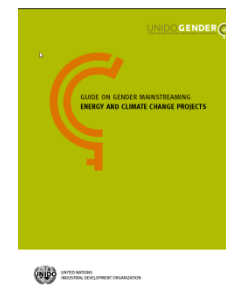


UNIDO and gender mainstreaming

Women are more vulnerable than men to climate change, pollution and resource scarcity

UNIDO supports women empowerment through:

- Mainstreams gender in all its core programmes and activities (i.e. Cleantech, GIP)
- Targeted projects - Empowering women beer brewers using energy efficient stoves in Burkina Faso
- Policy and guidelines
 - UNIDO's Policy on Gender Equality and the Empowerment of Women
 - Guide on Gender Mainstreaming on Energy and Climate Change Projects



ACP – UNIDO Cooperation for Climate Action

Potential areas for continued and future cooperation:



- Programmatic approaches for technology transfer and innovation (CTCN, Cleantech, Sustainable Cities Programme, LCET, RECP)
- International and Regional cooperation (Regional Centres for Policy, RECPnet)
- Knowledge Management and Capacity Building (Regional Centres as Hubs for SE4ALL, Nexus Issues and Climate Action)
- Public Private Partnerships (PFAN, REEP, Sustainable cities, Financing, Jobs and Economic Development)
- Multilateral environmental related agreements (Montreal Protocol, Stockholm and Minamata Convention)



Thank you for your attention!

Alois P. Mhlanga
Industrial Development Officer
Department of Energy
A.Mhlanga@unido.org

