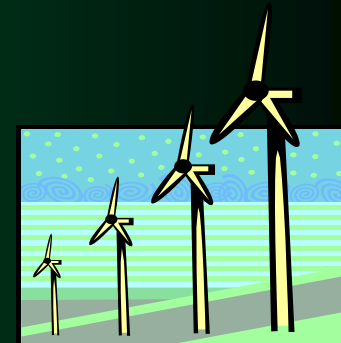# Working with UNDP on South-South Technology Transfer

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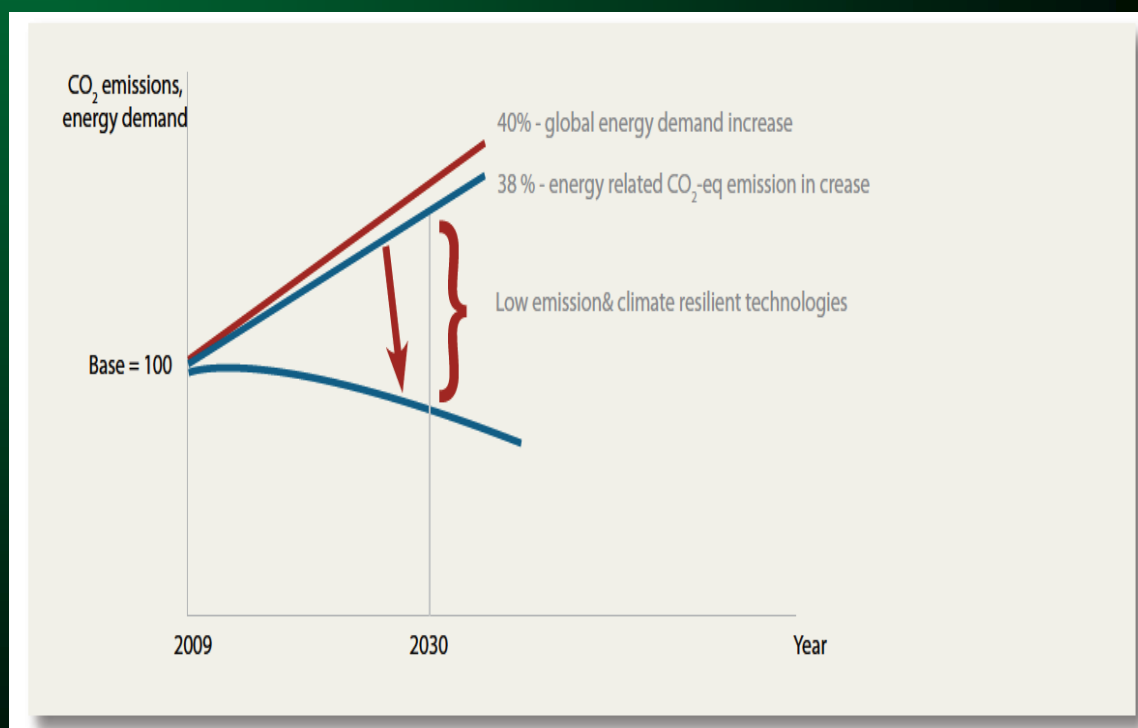
Sustainable Development

CCM & CCA Technology Transfer

Climate change is an issue of sustainable development.
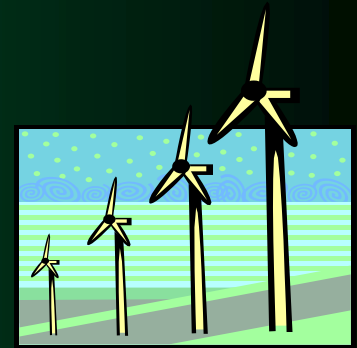
To address the impacts of climate change requires:

- Information by all sectors of society: government, private sector, by civil society and the citizenry

- Transformation of the economies and societies

- **Technology development and application**

- **Technology Transfer**

Role of CC Technologies in Realizing CC Goals

CO_2 emissions, energy demand

40% - global energy demand increase

38 % - energy related CO_2-eq emission in crease

Low emission& climate resilient technologies

Base = 100

2009   2030   Year

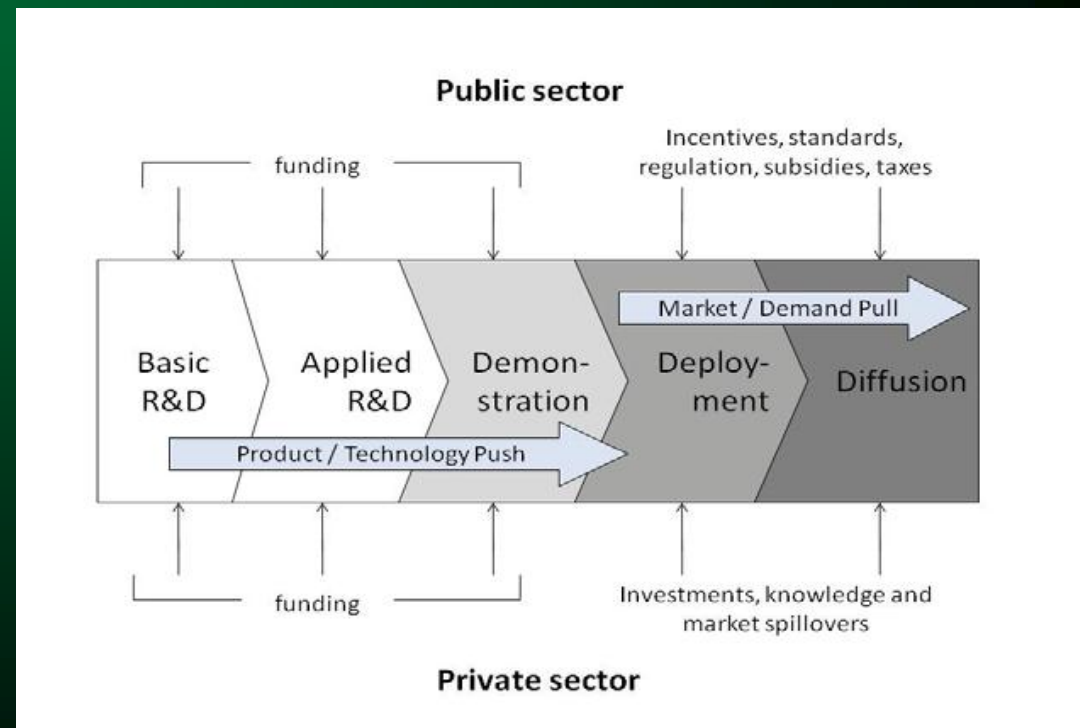Ref: Handbook for Conducting Technology Needs Assessments for Climate Change

CCM & CCA Technology Transfer

Technology Transfer

- ❑ Sustainable development (including CCM & CCA) technologies at various stages of the technology development cycle and innovation chain

- ❑ Focus on market demonstration, deployment, and diffusion

- ❑ Involve a combination of technology push and market pull interventions

- ❑ Private & Public Sectors involvement & cooperation

CCM & CCA Technology Transfer

UNDP Work on Sustainable Energy

❑Promotes the faster development of markets for renewable energy and energy efficient technologies (removal of identified barriers that hinder the uptake of new technologies)

❑Successful activities have involved building capacities and easing the costs and risks of entry of new financial actors in climate change mitigation and adaptation.

In-Country Presence

❑UNDP's global network of country offices

❑UNDP has extensive inter-country programming experience - Assists countries in promoting, designing, and implementing activities consistent with the national sustainable development plans and requirements of funding entities.

Sustainable Development

CCM & CCA Technology Transfer

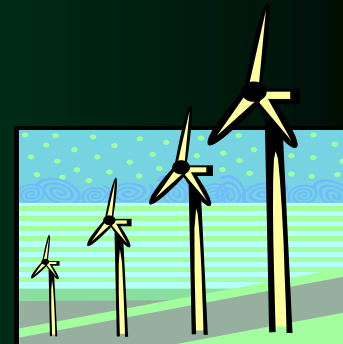**Capacity Development - UNDP Comparative Advantage**

- ❑ Recognized and proven area of expertise.

- ❑ UNDP is the leading international agency working on climate change related issues in many African countries, including ongoing programs to assist the governments in the preparation of National Communications to the UNFCCC.

Technical Assistance – UNDP Comparative Advantage

- ❑ UNDP has been delivering over the past years technical assistance in many African countries in energy technology deployment and applications.

- ❑ UNDP has got a strong anchorage in the field of energy technology deployment, including the formulation and enforcement of relevant policies that are supportive of technology applications.

- ❑ Very good working relationships with the relevant stakeholders in the area of technology promotion, applications, and the associated capacity development for the technology deployment

CCM & CCA Technology Transfer

Proven Track Record

- Successful experience in integrated policy development, human resources development, institutional strengthening, and NGO and community participation

- Implementation of technology transfer projects and its GEF ongoing portfolio

- Assisting government agencies in a number of countries in technical cooperation in electrification programs of national and local governments (focusing on capacity building and technical assistance).

- Sustainable energy particularly on the promotion of the faster development of markets for renewable energy and energy efficient technologies - *often by focusing on identifying and removing the major barriers and root causes that hinder the uptake of new technologies*

- Bolstering it comparative advantage in the area of capacity building is its experience in the transfer of technology area in many countries such as China with the rural poverty alleviation through the transfer of technology project.
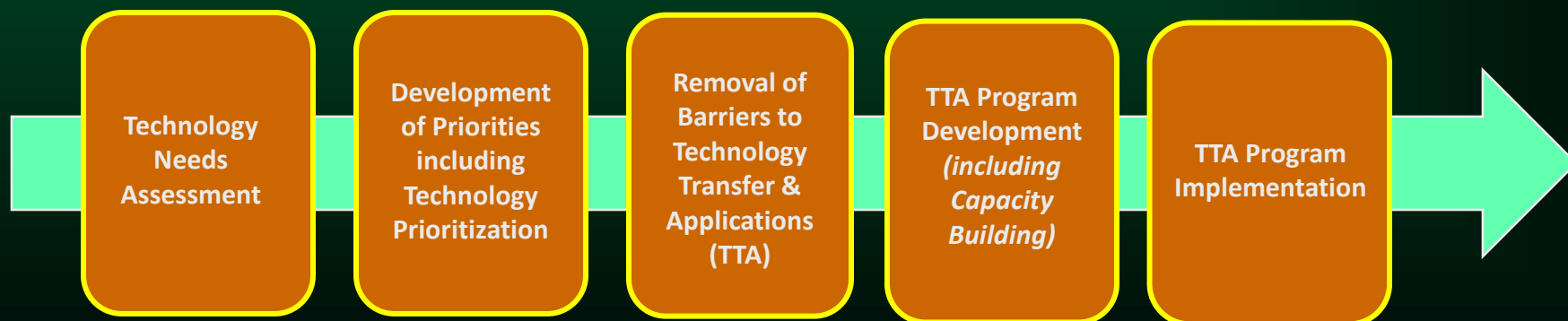
CCM & CCA Technology Transfer

Facilitation of Technology Transfer

- ❑ Assessment of technology needs

- ❑ Assessment of applicable and techno-economically feasible technologies

- ❑ Assessment of technology application requirements and barriers

- ❑ Addressing technology application issues and removal of barriers

- ❑ Private-Public Partnerships in technology demonstration, transfer, deployment and commercialization

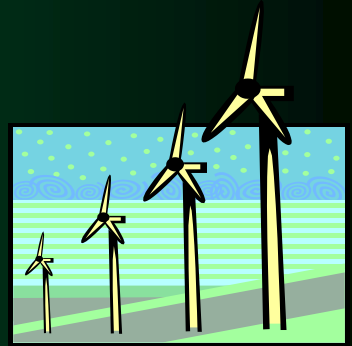| Technology Needs Assessment | Development of Priorities including Technology Prioritization | Removal of Barriers to Technology Transfer & Applications (TTA) | TTA Program Development *(including Capacity Building)* | TTA Program Implementation |

CCM & CCA Technology Transfer

Working with UNDP – drawing on its technology transfer experiences:

- ❑ Assist countries in identifying applicable technology on mitigating, and adapting to, climate change

- ❑ Assist countries in establishing appropriate framework and remove the barriers for the development and transfer of Environmentally Sound Technologies to the country.

- ❑ Improving capacity to address barriers to technology demonstration, deployment and transfer

- ❑ Sustaining acquired capacity to move forward the commercialization of transferred technologies - providing technical, and policy support as well as expertise in facilitating the requirements for successful demonstrations

SUSTAINABLE DEVELOPMENT

Thank You