

Assessment and Adaptation to Climate Change

**Assessment of Impacts and Adaptation
to Climate Change in Multiple Regions
and Sectors (AIACC)**

AIACC Goals

- *Advance scientific understanding*
- *Build and enhance scientific and technical capacity*
- *Generate and communicate information*

Advance scientific understanding

of climate change impacts, adaptations and vulnerabilities in developing countries.

- **Generate new results from collaborative efforts of AIACC participants**
- **Make data, methods available**
- **Publish in peer reviewed journals**
- **Contribute to future IPCC reports**

Build and enhance scientific and technical capacity

1 for climate change assessment in developing countries

- **Gain experience, skills from executing projects, collaborating with colleagues, and training.**
- **Strengthen networks for collaborative, interdisciplinary research.**
- **Develop and share data, scenarios, methods, tools**

Generate and communicate information

useful for adaptation planning and action.

- **National Communications**
- **Stakeholder participation**
- **Dissemination and outreach**

AIACC Description

- Total Project Cost: 12.5 million US dollars (GEF, UNEP/WMO, IPCC etc)
- GEF contribution: 7.85 million US dollars
- Duration: 2001-2004 (4 years)
- Project has started early this year
- AIACC Workshop was held in Nairobi (UNEP HQ) from 11-15 February 2002.

Project Implementation

- Implementing Agencies: UNEP
- Executing Agencies: START and TWAS
- Technical committee:
STAP, representatives from participating governments, academics, NGOs and industry.

START

- START(Global Change System for Analysis, Research and Training)
- An non-governmental NGO based in Washington DC,
- To Promote regional scientific networks of collaborating scientists and institutions to assess the causes and impacts of regional global change

TWAS

- TWAS (Third World Academy of Sciences)
- An autonomous international organization based in Trieste, Italy,
- To support research work of scientific merit in developing countries,
- Activities in 100 developing countries with 546 members.

AIACC Activities

- **Competitive grants for regional studies**
(we received more than 140 pre-proposals)
- **Coordination of methods and scenarios**
- **Training workshops**
- **Mentoring**
- **Synthesis**

Integrated methods for assessing coastal vulnerability and adaptation to climate change in Pacific Island countries (SIS09)

- Countries: Cook Islands, Fiji
- Sectors: water, agriculture, coastal zone

Southeast Asian vulnerability to water resource changes and extreme hydrological events (AS07)

- Countries: China, Laos, Myanmar, Thailand, Cambodia, Vietnam
- Sectors: water resources and associated sectors

*Adaptive responses for the mixed
crop/livestock production systems in the
Argentinean-Uruguayan Pampas (LA27)*

- Countries: Argentina and Uruguay
- Sectors: Agriculture

Food security and climate change in Sub Saharan West Africa (AF23)

- Countries: Nigeria, Niger Republic
- Sectors: Agriculture and food security

*The threat of dengue fever – assessment
of human health & climate change in the
Caribbean (SIS06)*

- Countries: Jamaica, Barbados, Trinidad & Tobago, St. Kitts
- Sectors: human health

Impacts and adaptation to climate change by the biodiversity sector in Southern Africa (AF04)

- Countries: South Africa and other southern African countries
- Sectors: Biodiversity

Redirecting Commercial Investment Decisions to Cleaner Technologies - A Technology Transfer Clearinghouse

Project Goal

- Goal: Promote GHG mitigation by removing information barriers that prevent consideration of renewable energy (RE) and energy efficiency (EE) in energy sector investment decisions

Project Objectives

- Increased Commercial financing of RE and EE projects
- Increased awareness in lending institutions and private sector companies on RE/EE investments

Project Description

- Total project cost: 930 thousand US dollars
- GEF contribution: 750 thousand US dollars (MSF)
- Duration: 1999-2001
- Implementing Agency: UNEP collaborating Center on Energy and Environment (UCCEE) Riso National Laboratory, Denmark

Project Activities

- RE/EE Investment Advisory Facility (IAF)
- Training of bank loan officers on RE/EE

IAF

- Provide financial institutions with advise and information concerning specific investment
- Help loan officers develop skills to evaluate Re/EE projects

IAF Results (As of June 2001)

- Eleven investment decisions were advised
- Four investments commitments are secured
- Two projects started disbursements

Guatemala Small Hydro

- 20 MW small hydro peaking plant
- Third party review of engineering design
- Support provided: US \$ 25,000
- Investment size: US \$ 36,700,000
- Investment approved and disbursed

Jamaica Wind Farm

- 20 MW wind farm
- Carbon valuation and sale
- Support provided: US\$ 38,415
- Investment size: US\$ 25,500,000
- Approved

Slovak Republic Cogeneration Plant

- District heating cogeneration plant
- Project feasibility for carbon investment fund development
- Support provided: US\$ 38,000
- Investment size: US\$ 3,500,000
- Fund approved for launch

Philippines Biogas Plant

- 3MW biogas plant
- Carbon valuation and sale
- Support provided: US\$ 13,115
- Investment size: US\$ 3,400,000
- Under consultation

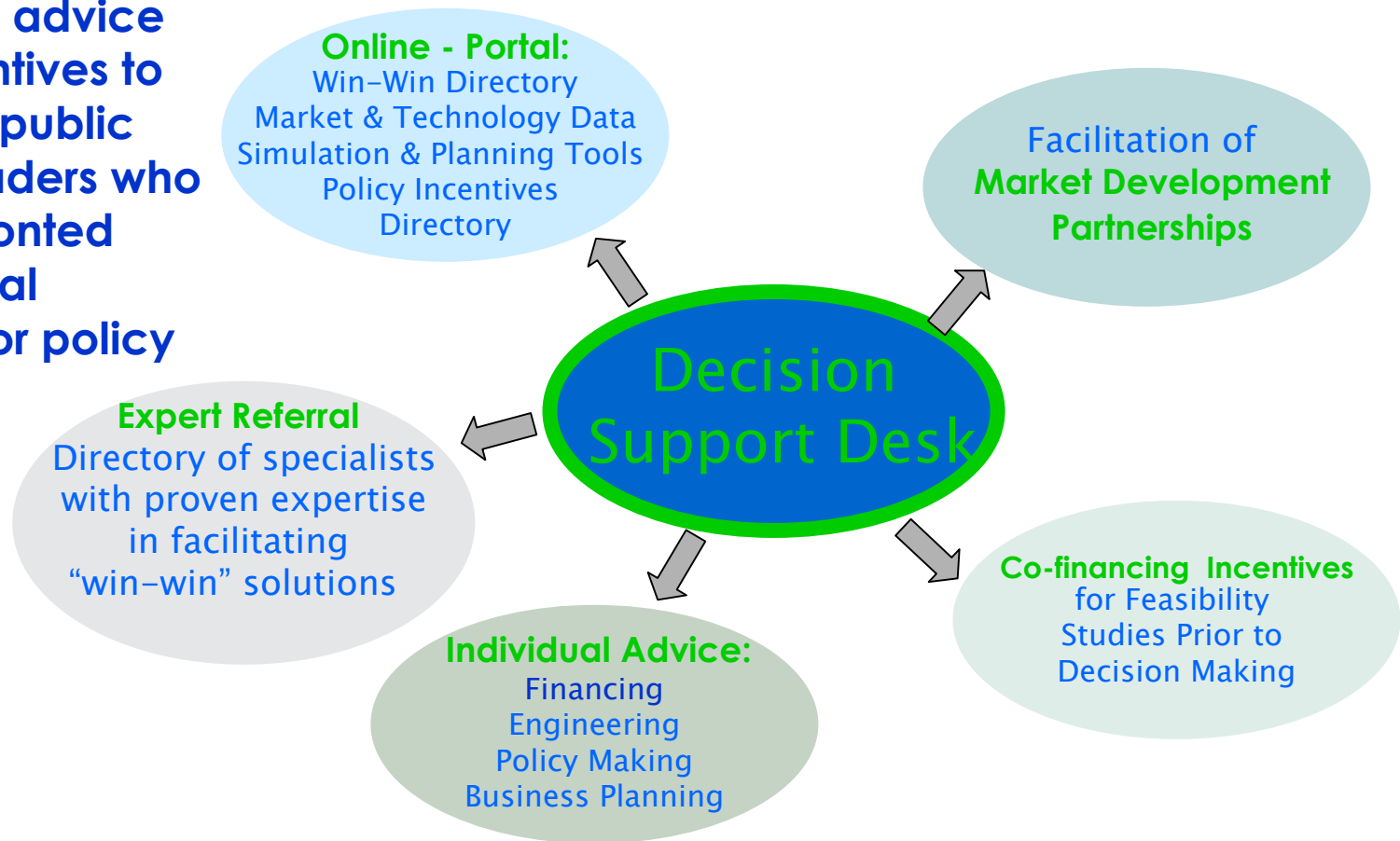
Training

- Training module developed
- 120 loan officers trained

The Heart of SANet:

A growing network of specialized advisors who form the backbone of the decision support system

...offering advice and incentives to private & public sector leaders who are confronted with critical business or policy choices.



SANet Modules & Services along the Investment Planning Map

