

Indicators for Sustainable Energy Development (ISED)

Third Research Coordination Meeting/Workshop

Program Overview

*IVAN VERA
International Atomic Energy Agency
Planning and Economic Studies Section*

*UN Headquarters
13–16 September 2004
New York, USA*

Indicators for Sustainable Energy Development (ISED)

A Joint effort in cooperation with:

- ☐ *UNDESA- Division for Sustainable Development*
- ☐ *UNDESA - Statistics Division*
- ☐ *International Energy Agency*
- ☐ *EUROSTAT*
- ☐ *European Environment Agency*
- ☐ *International Atomic Energy Agency*

Indicators for Sustainable Energy Development (ISED)

Participating Countries

- ☐ *Brazil*
- ☐ *Cuba*
- ☐ *Lithuania*
- ☐ *Mexico*
- ☐ *Russian Federation*
- ☐ *Slovak Republic*
- ☐ *Thailand*

Indicators for Sustainable Energy Development (ISED)

Started in 1999

Project General Objectives

- ☐ *To supplement the UNCSD indicators effort*
- ☐ *To define a set of energy indicators for Sustainable Development*
- ☐ *To assist countries in energy and statistics capacity building*

Indicators for Sustainable Energy Development (ISED)

Benefits to Countries

A useful analytical approach:

- ☐ *To assess status of energy sector – main issues*
- ☐ *To assess status of energy statistics data capacity*
- ☐ *To evaluate impacts of current energy policies*
- ☐ *To formulate future energy policies - strategies*
- ☐ *To monitor progress towards a more sustainable energy future*

Indicators for Sustainable Energy Development (ISED)

ISED Project

Two Phases

- ☐ *Phase I: Defining a framework and identifying energy indicators*
- ☐ *Phase II: Improvements, consensus and implementation at a country level*

Currently in Phase II

- ☐ *Type II Partnership registered with the UN CSD*

Indicators for Sustainable Energy Development (ISED)

Objectives Phase II

Methodology and Guidelines

- ❑ *Improvements and consensus on ISED List and corresponding Methodology*

Country Implementation

- ❑ *Assist countries in the use of ISED for the formulation of sustainable energy strategies*
- ❑ *Incorporate the ISED into databases and energy analysis*

Indicators for Sustainable Energy Development (ISED)

Objectives Phase II

Methodology and Guidelines

- ❑ *Inter-Agency report on ISED Methodology and Guidelines – Final Draft*
- ❑ *Plans for publication of the Inter-Agency Report, Dec. 2004.*
(IAEA, UNDESA, IEA, EUROSTAT & EEA)

ISED Phase II

Country Implementation

- ❑ *3-year Coordinated Research Project with the 7 participating countries started in 2002*
- ❑ *1st Workshop in Trieste, ICTP, May 2002*
- ❑ *2nd Workshop, Luxembourg, EUROSTAT, May 2003*
- ❑ *3rd Workshop, New York, UNDESA, September 2004*
- ❑ *Final Reports to be delivered by March 2005*

ISED Third Meeting

Objectives

- ❑ *Learn about about statistical methods and procedures in use by the UN and indicator programs.*
- ❑ *Learn about future “energy” activities of the UN Commission on Sustainable Development*
- ❑ *Learn about efforts by other participating agencies on energy and general indicators*
- ❑ *Analyze findings of Country Case Studies and review Progress Reports prepared by 7 countries*
- ❑ *Review of final draft of ISED Methodology report*
- ❑ *Define and review plans for further work in 2004 and 2005*

ISED Third Meeting

Program/ Agenda

- ❑ *Presentations on Indicators efforts and statistical issues by: UNDESA - Statistics and SD divisions, EUROSTAT, IEA and EEA.*
- ❑ *Presentation and discussion of Country Case Studies*
- ❑ *Requirements for publication of Country reports and articles*
- ❑ *Discussion on ISED methodology report*
- ❑ *Implementation plans for 2004 and 2005*

Indicator of Sustainable Energy Development (ISED)

The Challenge

- ❑ *Work in progress*
- ❑ *Resource Limitations*
- ❑ *Data availability, consistency, quality*
- ❑ *Complexity of some indicators*
- ❑ *What is the appropriate trend towards sustainability? Thresholds? Targets?*
- ❑ *Quantitative analysis is necessary but not sufficient for full assessment*