

Global status and outlook for nuclear power

CoP-11, Montreal, Canada • 2 December 2005

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IAEA

International Atomic Energy Agency

Agenda

Introduction

Hans-Holger Rogner, Head, Planning and Economic Studies
Section, Department of Nuclear Energy, IAEA

Nuclear Power: Status and Outlook

Alan McDonald, Programme Liaison Officer, Department of
Nuclear Energy, IAEA

Nuclear Energy: Climate Change and Economics

Thierry Dujardin, Deputy Director, Science and Development,
OECD/NEA

Nuclear Energy in Canada

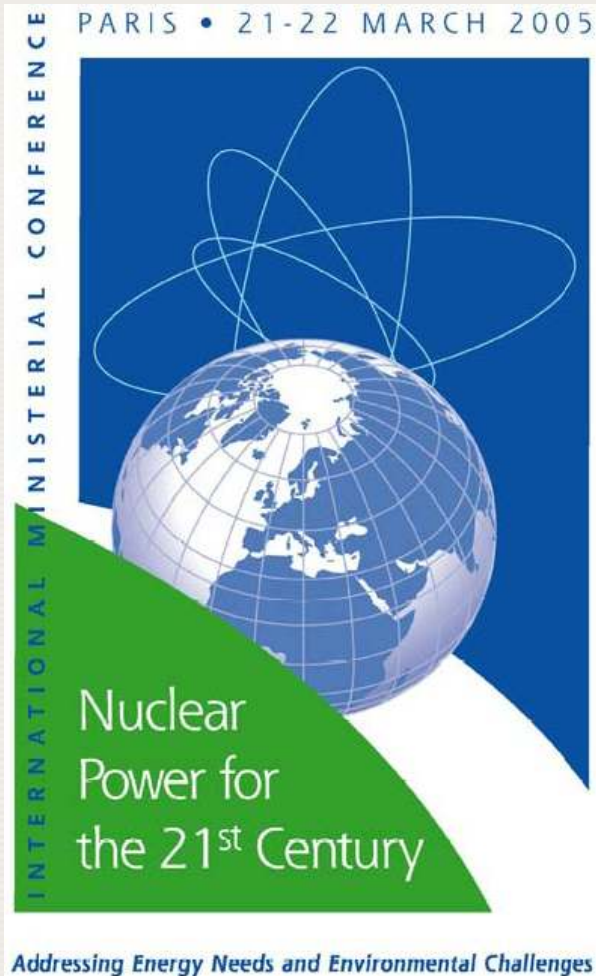
Sylvana Guindon, Director, Nuclear Energy Division, Natural
Resources



Nuclear renaissance?

- **Starting 2-3 years ago many countries with currently flat nuclear power programmes have begun to reconsider the future of the technology**
 - **Expansion**
 - **Contraction**
- **Countries currently without nuclear power wish to find out more about the technology**

Rising expectations



- Concluding statement
“.. a vast majority of participants affirmed that nuclear power can make a major contribution to meeting energy needs and sustaining the world’s development in the 21st century, for a large number of both developed and developing countries”.

A history of mistaken forecasts

“The energy produced by breaking down the atom is a very poor kind of thing. Anyone who expects a source of power from the transformations of these atoms is talking moonshine.”

Lord Ernest Rutherford
1933

A history of mistaken forecasts

“It is not too much to expect that our children will enjoy in their homes [nuclear generated] electrical energy ***too cheap to meter.***”

Lewis Strauss
Chairman
US Atomic Energy Commission
1954

Objective of this side-event

- **Current status**
- **Future prospects and latest projections**
- **Nuclear and climate change**
- **Economics**
- **.....**