

### **10<sup>th</sup> Scientific Forum**

### Global Challenges and the Development of Atomic Energy: The Next 25 Years

IAEA, Vienna, 18 - 19 September 2007



### Session 2

### Meeting New Challenges in Food, Agriculture and Health

Moderator: P. Schuller Instituto de Física, Facultad de Ciencias, Universidad Austral de Chile

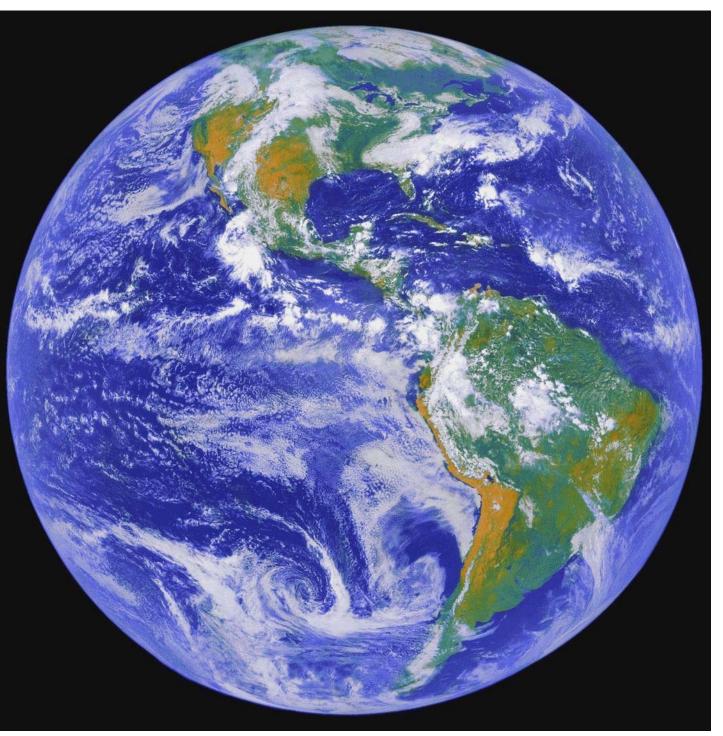
IAEA, Vienna, 18 - 19 September 2007

#### **THE CONTEXT**

### GLOBAL CHANGES

Climate Change
Land Use Change
Land Clearance
Infrastructure

Development
Water Resource
Development



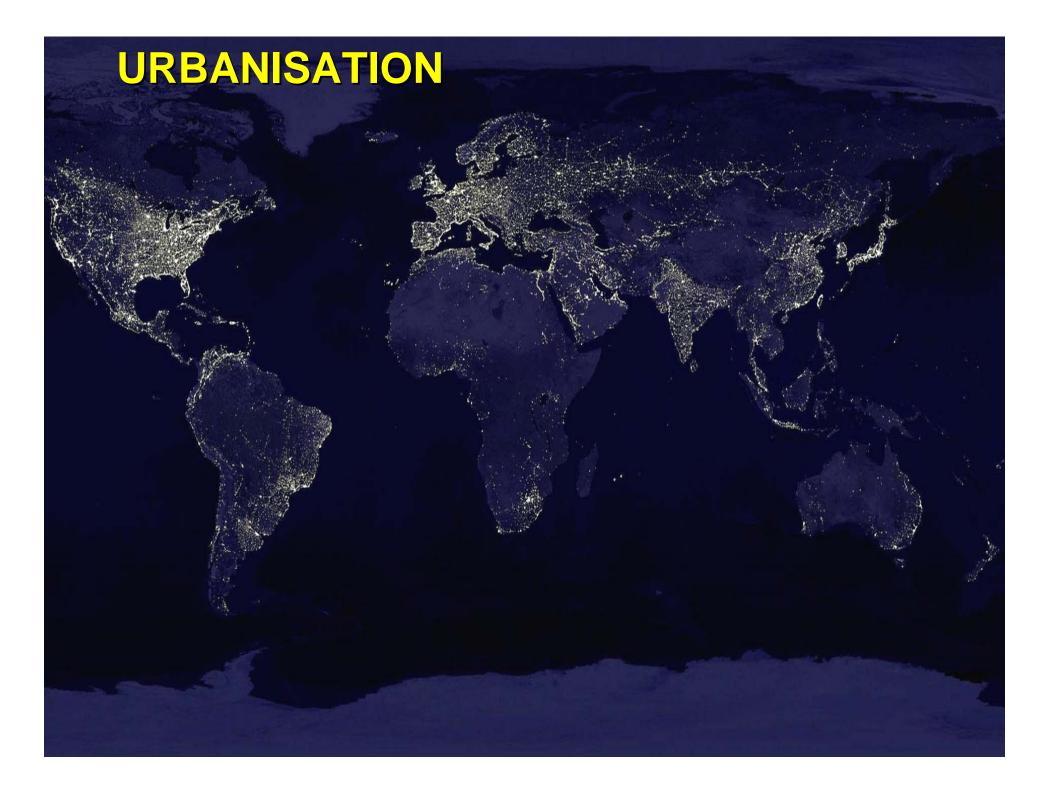
## CLIMATE CHANGE

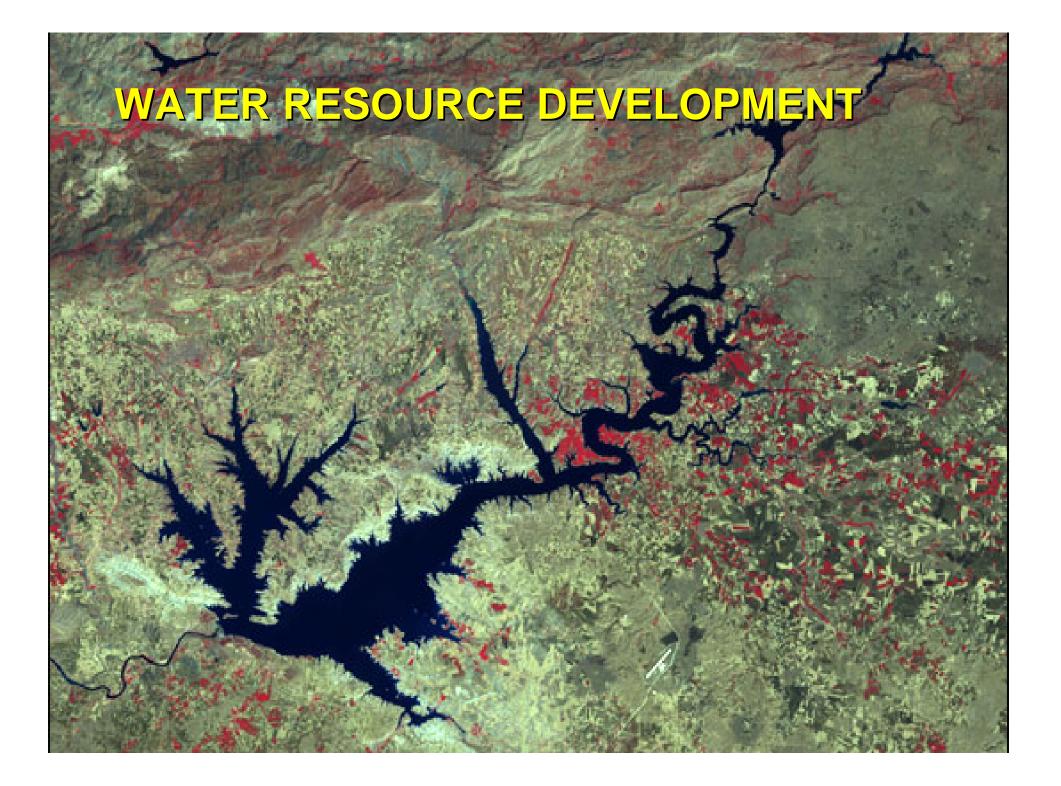
# LAND USE CHANGE

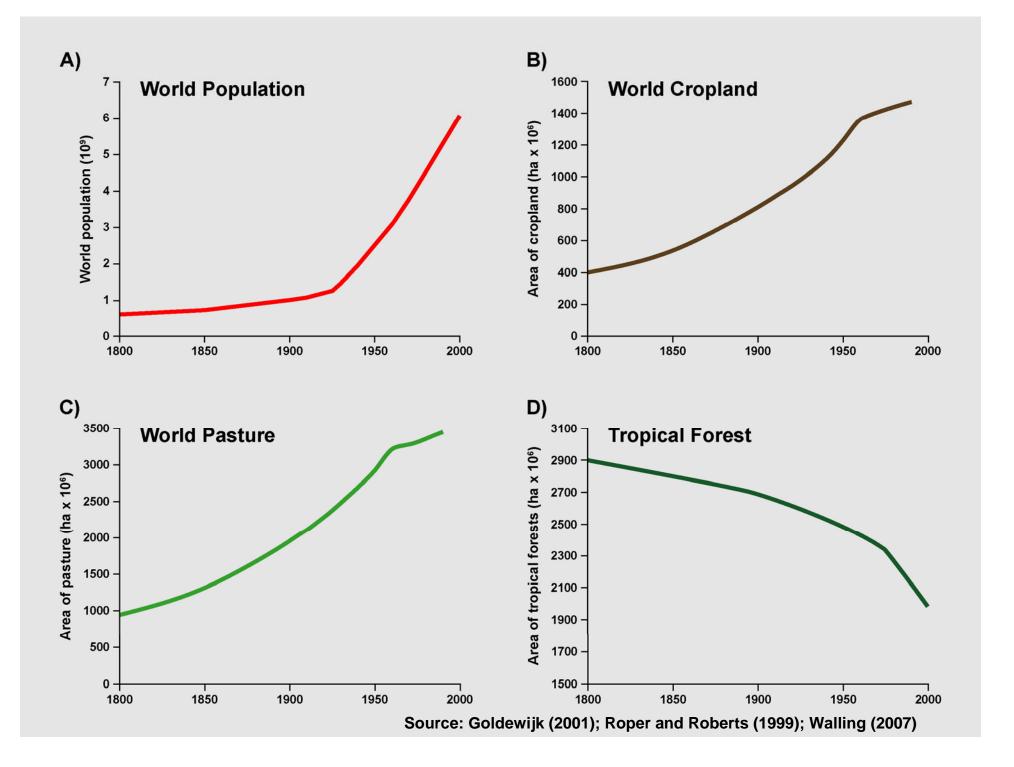




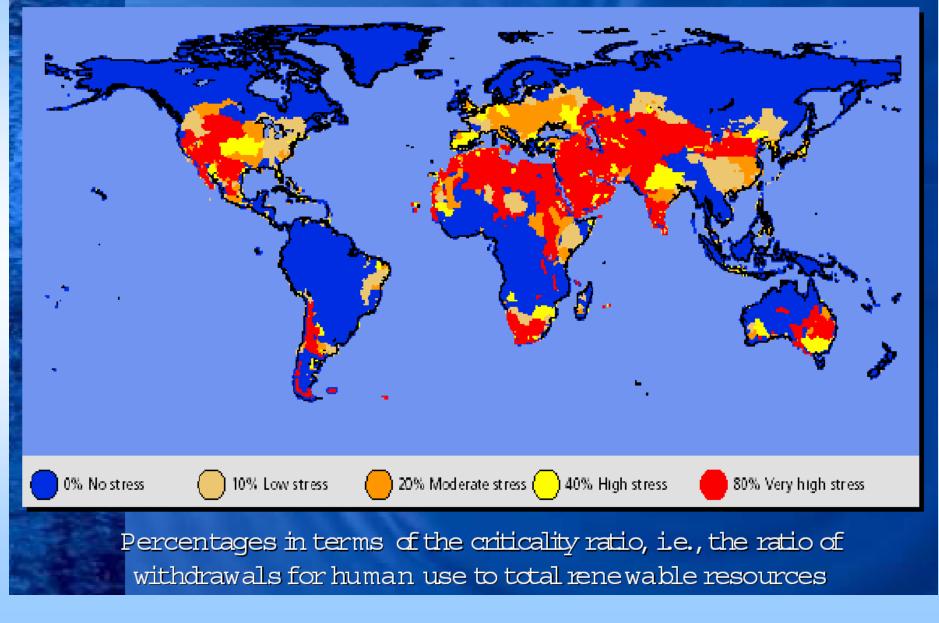


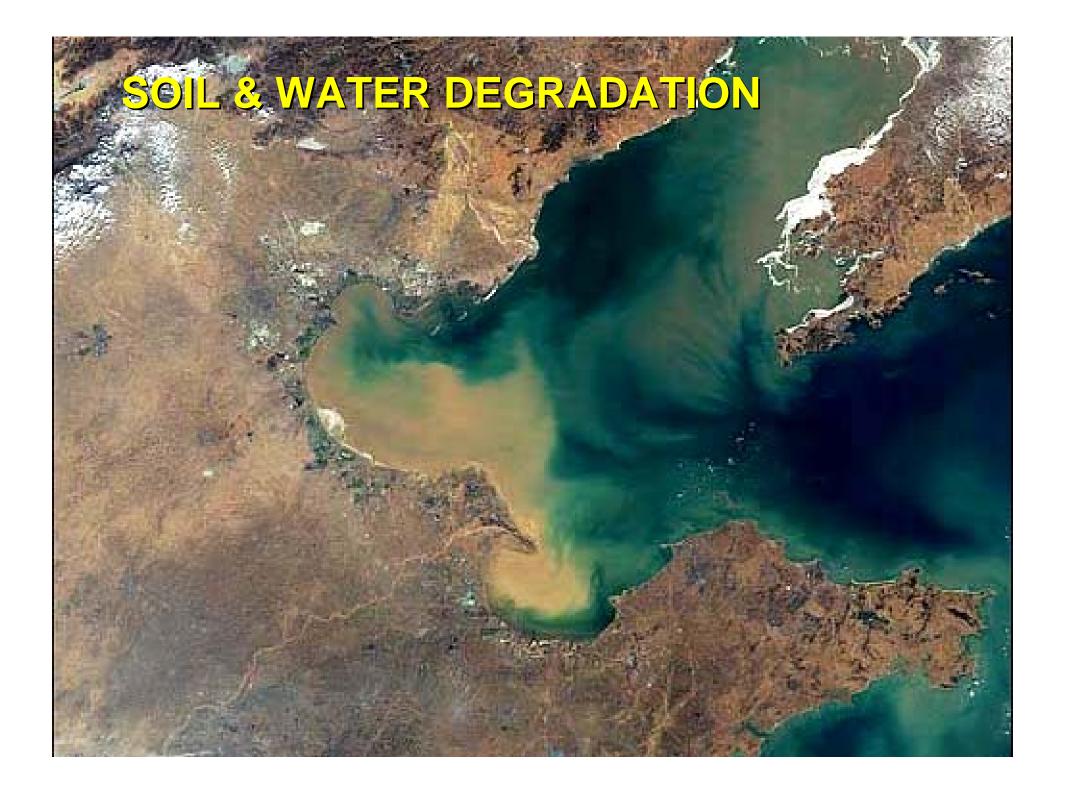












# **Cancer could be prevented!**

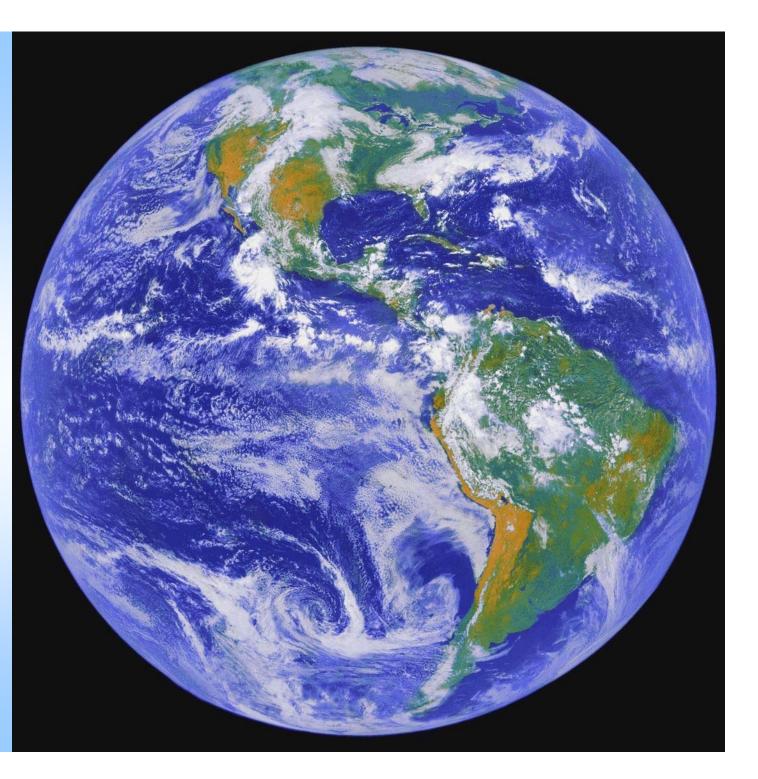
- Tobacco 1/3 of cancer
- Infections 16% of global cancer burden, 6% to 32% (low income countries); Hepatitis B/C, Ebstein-Barr, papillomas, Helicobacter pylori, Schistosomas-Liver fluke
- 43% due to tobacco, diet and infection

## GLOBAL CHANGES GLOBAL CHALLENGES

•Health of Increasing Population

•Sustainable Food Production & Water Supply

•Soil & Water Conservation



### GLOBAL CHALLENGES

Food Agriculture Health

