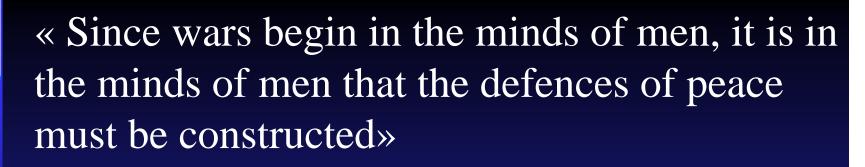


United Nations Educational, Scientific and Cultural Organization

SPACE EDUCATION AND THE UN DECADE ON EDUCATION FOR SUSTAINABLE DEVELOPMENT (UN-DESD, 2005-2014)

Yolanda Berenguer Space Education Programme Coordinator (y.berenguer@unesco.org)



CONTRIBUTE TO INTERNATIONAL PEACE AND SECURITY BY PROMOTING COLLABORATION AMONG NATIONS IN

- **EDUCATION** Education for All (EFA)
- NATURAL SCIENCES
- SOCIAL SCIENCES Ethics, human rights
- CULTURE World Heritage sites
- **COMMUNICATION** Bridging the digital divide



# NATURAL SCIENCES

- Basic & Engineering Sciences
- Ecological & Earth Sciences
- Hydrological Sciences
- Science Policy & Analysis

Intergovernmental Oceanographic Commission (IOC)



# World Conference on Science 1999, Budapest

- Improve science education at all levels
- Develop new curriculum & teaching metholodigies
- Enhance professional development of science teachers and educators
- Promote gender equality



## UNISPACE-III, 1999, Vienna

- Enhance education and provide opportunities to young people to learn more about space science and technology and their importance to human security and development
- Ensure public awareness of the importance of space science and technology
- Promote the peaceful use and exploration of outer space

# SPACE EDUCATION PROGRAMME (Launched in 2002)

- Enhance education in space subjects in schools, particularly in developing countries, and promote the integration of these subjects in the national curricula.
- Provide opportunities to educators to improve knowledge and develop skills
- Raises public awareness of the important contribution of space-based system to the development of society
  - Contributes to the preparation of the next generation of space workforce

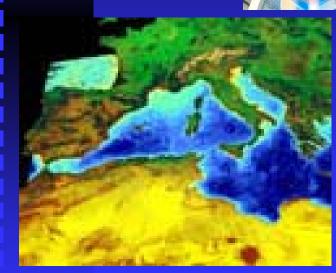


#### **SPACE SCIENCE**





#### SPACE & AERONAUTIC ENGINEERING



#### SPACE TECHNOLOGY



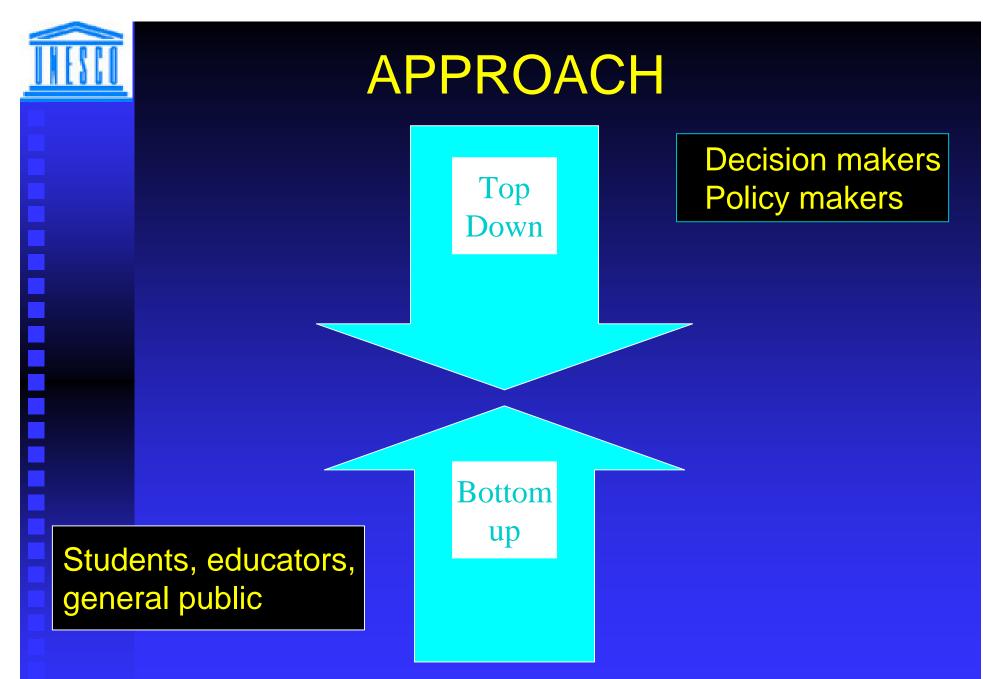
# STRATEGY

#### AWARENESS-RAISING

Space competitions, space events; space camps; multi-media promotional materials, etc

### CAPACITY BUILDING

Workshops, training courses, conferences, fellowships, grants, teaching assistance through the Space Volunteer Corps scheme





SEP provides a platform to implement common activities & establish regional & international cooperation

- 190 National Commissions
- 50 Cluster, Regional, Liaison & National Offices
- Associated Schools Project (ASP) network: more than 6,000 institutions



### International mechanisms

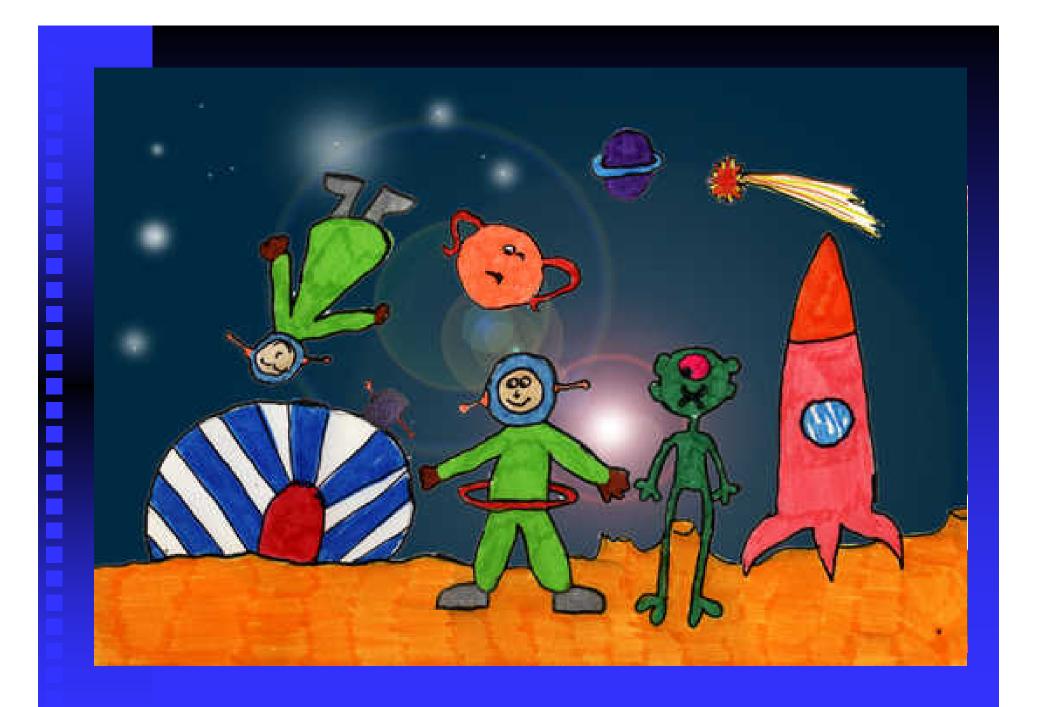
- IAF Space Education & Outreach Committee
- EURISY Advisory Group on Education
- CEOS Working Group on Education, Training and Capacity Building
- CEOS WSSD Follow-up Programme: Module 1 on Capacity Building



#### 2002: International Space Essay Contest World Space Week 2002



Carike Bosman (South Africa) with Umberto Guidoni 15th UN/IAF Workshop, 14-15 October 2005, Kitakyushu, Japan









IAF/IAA/ISU/UNESCO EXPERT WORKSHOP « Bridging Space and Education » 13-15 March 2003, UNESCO HQ

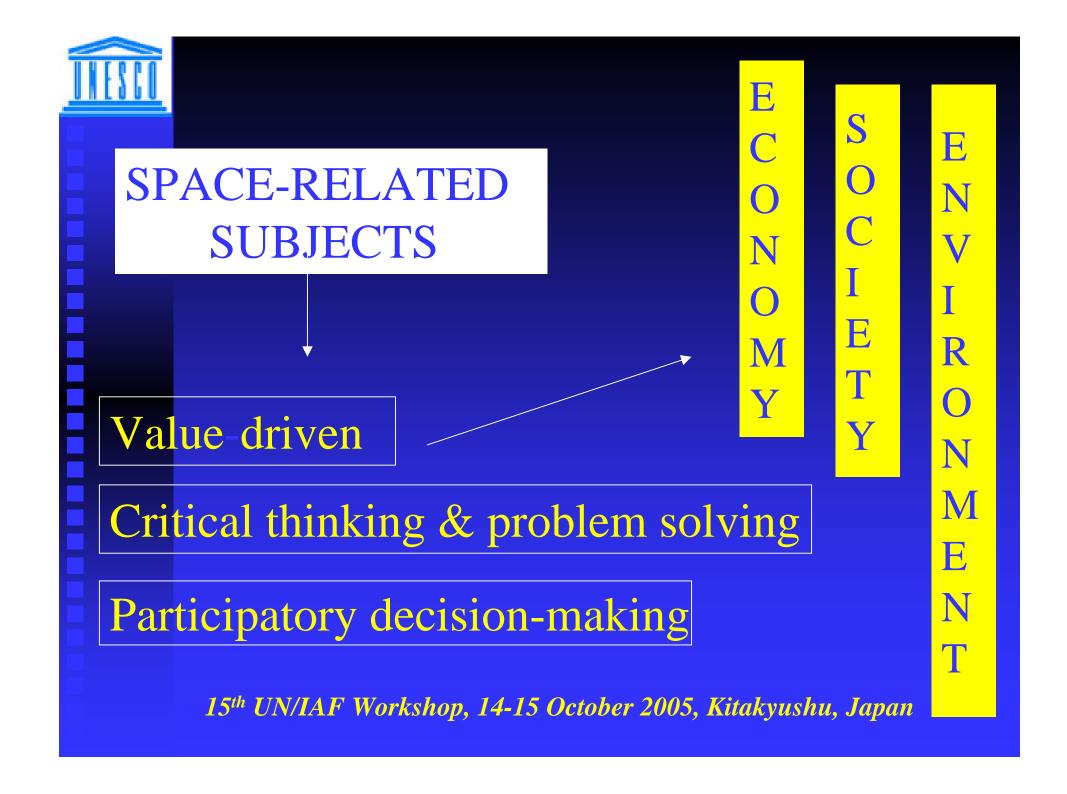
- An agreement to be signed by space agencies and space-related organizations making pedagogical materials related to space available to educational institutions free of charge.



World Summit on Sustainable Development, 2002, Johannesburg

UN DECADE ON EDUCATION FOR SUSTAINABLE DEVELOPMENT (UNDESD) 2005-2014

**QUALITY EDUCATION**: Development of knowledge, skills, perspectives, values related to sustainability; gender-sensitive type of education





2009: International Year of Astronomy

International Astronomical Union Committee on Space Research

http://www.unesco.org/science