



United Nations Educational,  
Scientific and Cultural Organization

# SPACE EDUCATION PROGRAMME

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## World Conference on Science 1999, Budapest

- Improve science education at all levels
- Develop new curriculum & teaching methodologies

## 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

*50<sup>th</sup> COPUOS, 13 June 2007, Vienna*



# SPACE EDUCATION PROGRAMME

(2002)

- Promotes the enhancement of space-related subjects and disciplines in schools and universities, particularly in developing countries
- Provides teachers/educators opportunities to develop/improve their knowledge and skills in space-related topics

*Contributes to the preparation of the next generation of space workforce*

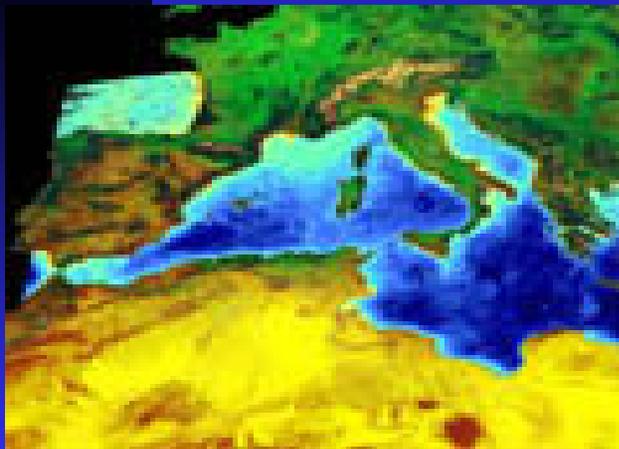
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# SPACE SCIENCE



# SPACE & AERONAUTIC ENGINEERING



# SPACE TECHNOLOGY APPLICATIONS

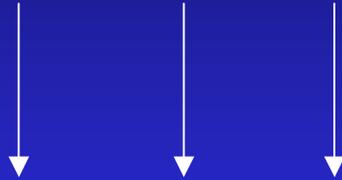


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# UN DECADE ON EDUCATION FOR SUSTAINABLE DEVELOPMENT (UNDESD) 2005-2014

## SPACE STUDIES



Value-driven

Critical thinking & problem solving process

Participatory decision-making process

*50<sup>th</sup> COPUOS, 13 June 2007, Vienna*



# PLATFORM FOR COOPERATION

- 190 National Commissions (representatives of the country's Min of Education, Science & Technology, Culture & Communication)
- 50 Cluster, Regional, Liaison & National Offices
- Promotes **North-South & South-South** cooperation

*50<sup>th</sup> COPUOS, 13 June 2007, Vienna*



# SEP WORKSHOPS

- Space education team (comprised of representatives of space agencies & space-related institutes)
- Donation of portable telescopes in cooperation with Meade Instruments
- Drafting of a pilot “National Space Education Programme”

Philippines (2004)

Nigeria, Colombia (2005)

Vietnam (2006)

Ecuador (2007)

2008-2009

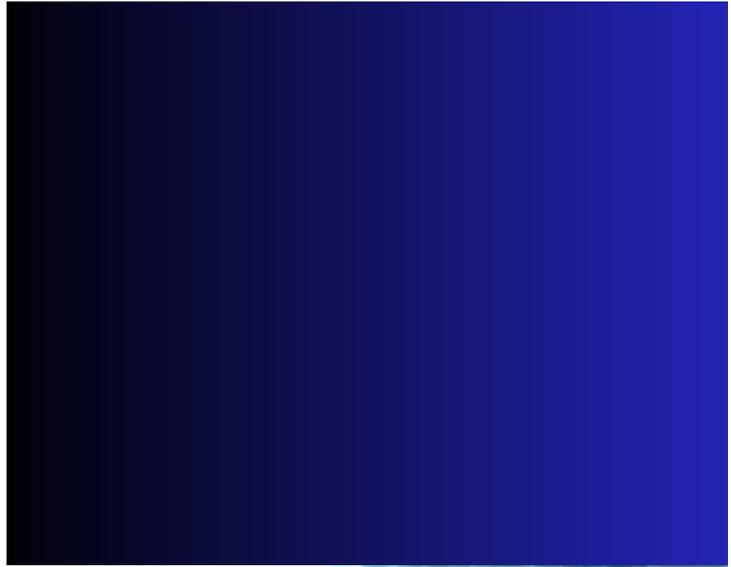
Tanzania, Morocco

Syria, Fiji

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## Regional & International Mechanisms

- **Asia-Pacific Regional Space Agency Forum (APRSAF)** - Teacher training workshops/seminars, publication of educational materials
- **CEOS Working Group on Education, Training and Capacity Building (WGEdu)** – workshops for various audiences
- **IAF Space Education and Outreach Committee** – forum for information & networking
- **GEO Capacity Building Committee** – CB donors symposium, 10-11 Sept 2007, Sevilla, Spain

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## Present & Future Activities

- Panel on **best teaching practices** in Latin America (XIII SBSR, 22-26 April 2007, Florianopolis, Brazil) – will be pursued in coming years
- National workshop on **space science curriculum development** (18 May 2007, UN-affiliated Regional Centre for Space Science & Technology Education, Ile-Ife, Nigeria) – a second workshop will be held.
- **Teachers workshop** (3-5 October 2007, Cordoba, Argentina in cooperation with CONAE)
- Publication of **pedagogical materials**

*50<sup>th</sup> COPUOS, 13 June 2007, Vienna*



# MILESTONES

2008: International Year of the Planet Earth

2009: International Year of Astronomy

<http://www.earthobservations.org>

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