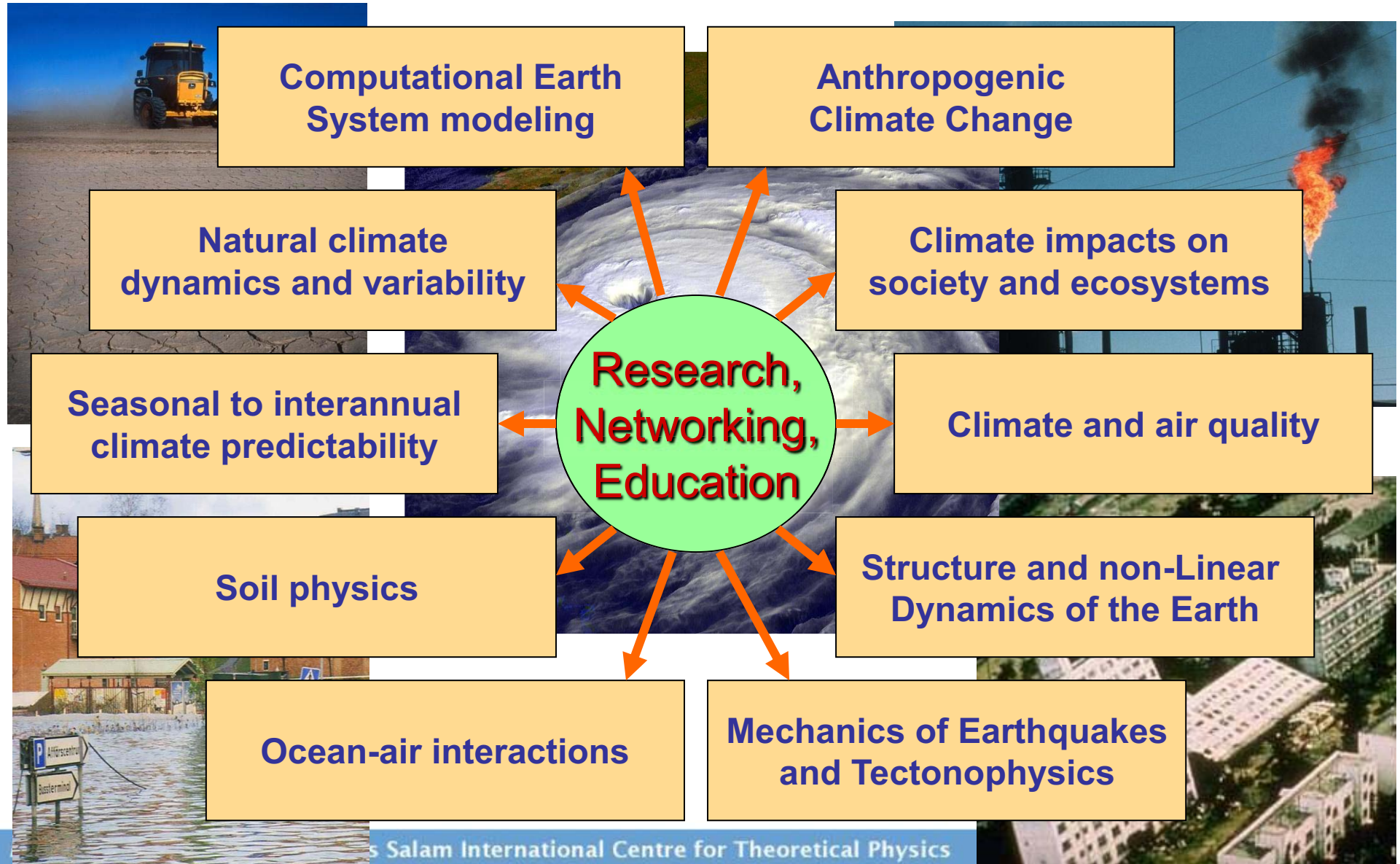




# ESP Research Areas



# Earth Systems Physics Networks in Africa



-  Climate Network
-  AfriCARP (FITU) Network
-  North African Seismological Group
-  Sub-Saharan Africa Geophysical Group

Use the regional networks of ICTP and expand the Africa-wide network of Earth and space scientists



## African Geophysical Society - AGS

*Transcends national boundaries and fosters excellent Earth and space science research, to the benefit of Africa;*

*Communicate scientific knowledge within and beyond the Earth and space science communities*



*AGS Yearly Assembly meeting;  
AGS Official and Peer-review Scientific Journal*

# African Decade for Natural and Environmental Disaster Reduction

- 1- Raise awareness on natural and environmental disasters such as: earthquakes, volcanic eruptions, tsunamis, droughts, floods, landslides and mudflows, dust storms, ...
- 2- Support transnational scientific and strategic programs on the assessment, prediction and mitigation of natural and environmental disasters in Africa;
- 3- Forging vital links among the political, scientific and technological communities and development of an African strategy for disaster reduction



# for individuals

- Use the ICTP training opportunities:
  - Associate and federation scheme: <http://portal.ictp.it/assoc> deadline :30 September of each year
  - Diploma Program: <http://diploma.ictp.it>, deadline: 31 December of each year
  - STEP PhD Sandwich Program: [http://users.ictp.it/www\\_users/STEP/STEP.html](http://users.ictp.it/www_users/STEP/STEP.html), deadlines: 15 February and 15 August of each year.
  - Training and Research in Italian Laboratoris ICTP-TRIL: <http://portal.ictp.it/tril/>



# Diploma Programme

diploma.ictp.it



An intense 12 month pre-PhD educational programme of the ICTP for talented young science students from developing countries. The Diploma Programme is made of four specialized fields, reflecting the core research activities of the ICTP sections (Condensed Matter, Earth System Physics, High Energy Physics & Mathematics) and one field in Basic Physics designed to students from sub-Saharan Africa, with an intense and comprehensive revision of undergraduate physics.



# for Partnerships

(form and strengthen national/regional communities  
and research groups)

Education: ICTP promotes initiatives aimed at "**training for research**" of young scientists. An OEA **Project** offers scientific advice and financial support towards the establishment of new Ph.D courses at universities in the less developed countries. A Project may also provide support towards fellowships for young scientists from less developed countries to work in institutions in more advanced developing countries in their region. These are often organized on the basis of cooperation agreements between the ICTP and those institutions.

More info on <http://oea.ictp.it/>

April 14, 2010

ICTP Public Information Office

# for Partnerships

(form and strengthen national/regional communities  
and research groups)

**Science:** A **Network** is a system of research groups in an entire region, or among different regions, that pursues a common scientific project over an extended period. The network program represents an efficient approach to overcoming the problem of isolation and counteracting the "brain-drain" of scientists in the Developing World.

The proposer of the network is expected to act as co-ordinator and his/her Institution as headquarters. A network may organize seminars or workshops, arrange for visiting scientists and maintain joint links with the rest of the international scientific community.

More info on <http://oea.ictp.it/>

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# for Partnerships

(form and strengthen national/regional communities  
and research groups)

A **Project** and a **Network** could also be the preliminary phase leading eventually to a an **Affiliated Centre**.

An ICTP Affiliated Centre (ICAC) is an Institute or University Department or Observatory that agrees to carry out a specific long-term research project on a definite subject with well defined purposes. An ICAC is expected to have a regional character and to be strongly supported by the local authorities and the hosting Institution.

Many scientists participate in ICAC activities. Consistent with such collaboration, an ICAC scientific advisory board is normally formed.

More info on <http://oea.ictp.it> ICTP Public Information Office

**“SCIENTIFIC THOUGHT IS THE COMMON HERITAGE OF MANKIND”**

*Abdus Salam*

*Founding Director 1964-1994*

[www.ictp.it](http://www.ictp.it)

