



**The Abdus Salam  
International Centre for Theoretical Physics**



**2333-7**

**Workshop on Science Applications of GNSS in Developing Countries (11-27 April), followed by the: Seminar on Development and Use of the Ionospheric NeQuick Model (30 April-1 May)**

*11 April - 1 May, 2012*

**Opening Ceremony**

**RADICELLA Sandro Maria**  
*Abdus Salam International Centre For Theoretical Physics  
Telecommunications ICT for Development Laboratory  
(T/ICT4D), Via Beirut 7  
Trieste  
ITALY*



**Workshop on Science Applications  
of GNSS in Developing Countries  
11 - 27 April 2012**

**Followed by the**

**Seminar on Development and Use  
of the Ionospheric NeQuick Model  
30 April - 1st May 2012**



THE ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS



# **The ICTP Mission**

**Foster the growth of physical and mathematical sciences  
in developing countries by:**

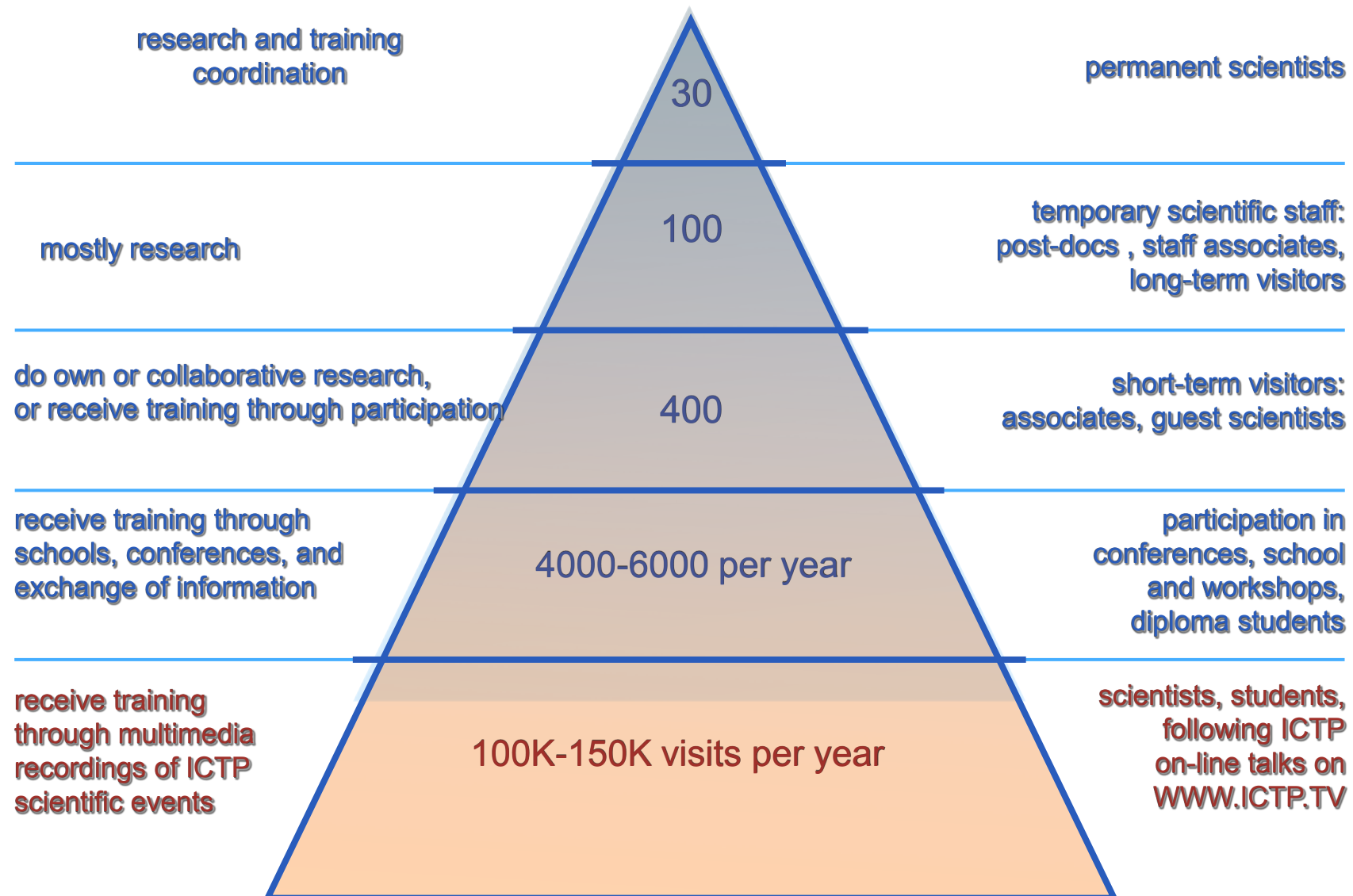
- ✓ Providing an international forum of scientific contact  
for scientists from all countries.**
- ✓ Developing high-level training programmes keeping  
in mind the needs of the developing world.**
- ✓ Conducting research at the highest international  
standards and maintaining an environment of scientific  
inquiry for the entire ICTP community.**



# ICTP in a Nutshell

- ICTP is the first and leading **global** institution for scientific research and development
- Founded in 1964 by Abdus Salam (Physics Nobel prize 1979)
- Sponsored by tripartite agreement between Italy, IAEA and UNESCO (over 85% of budget from Italy)
- It is an institution that is run by scientists for scientists to support the best science possible in all countries

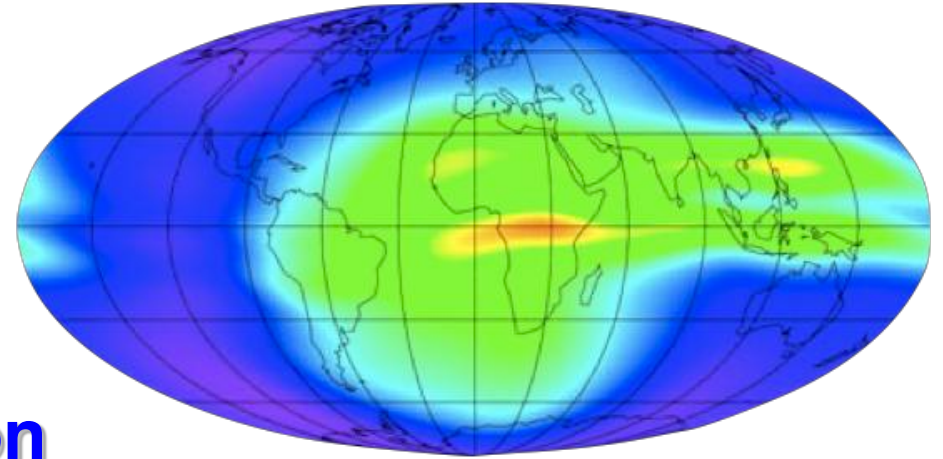
# The ICTP pyramid



The former ICTP Aeronomy  
and Radiopropagation  
Laboratory (ARPL) has been  
renamed  
Telecommunications/ICT for  
Development Laboratory



# T/ICT4D: two sections



- ✦ **Ionospheric Radiopropagation**  
(since 1990):

*research and training in  
ionospheric physics with  
application to GNSS science  
and technology*

- ✦ **Wireless Networking**  
(since 1995):

*research and training in  
Wireless      ICT for Development  
(ICT4D)*



***The ICTP T/ICT4D has a partnership with the Institute of Scientific Research of Boston College (USA), to promote local research in GNSS science and applications in Africa.  
This partnership extends now to cover all the developing countries***

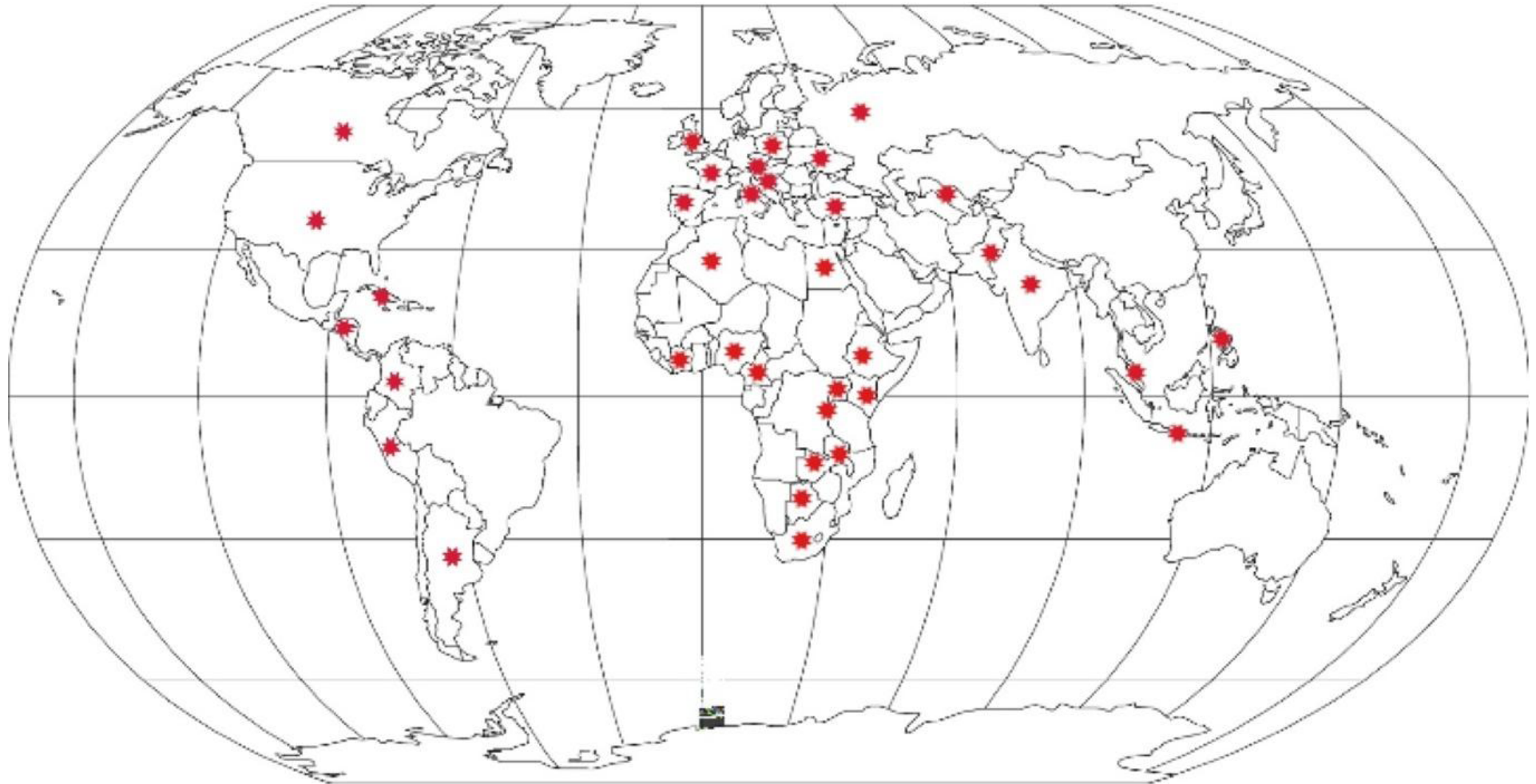


**Under the partnership joint training activities have been carried out in:**

**Trieste  
Nigeria  
Egypt  
Kenya**



## 86 Countries Represented in the Workshop and Seminar



Americas 7  
Europe 9

Africa 13  
Asia 7