

research and training  
coordination

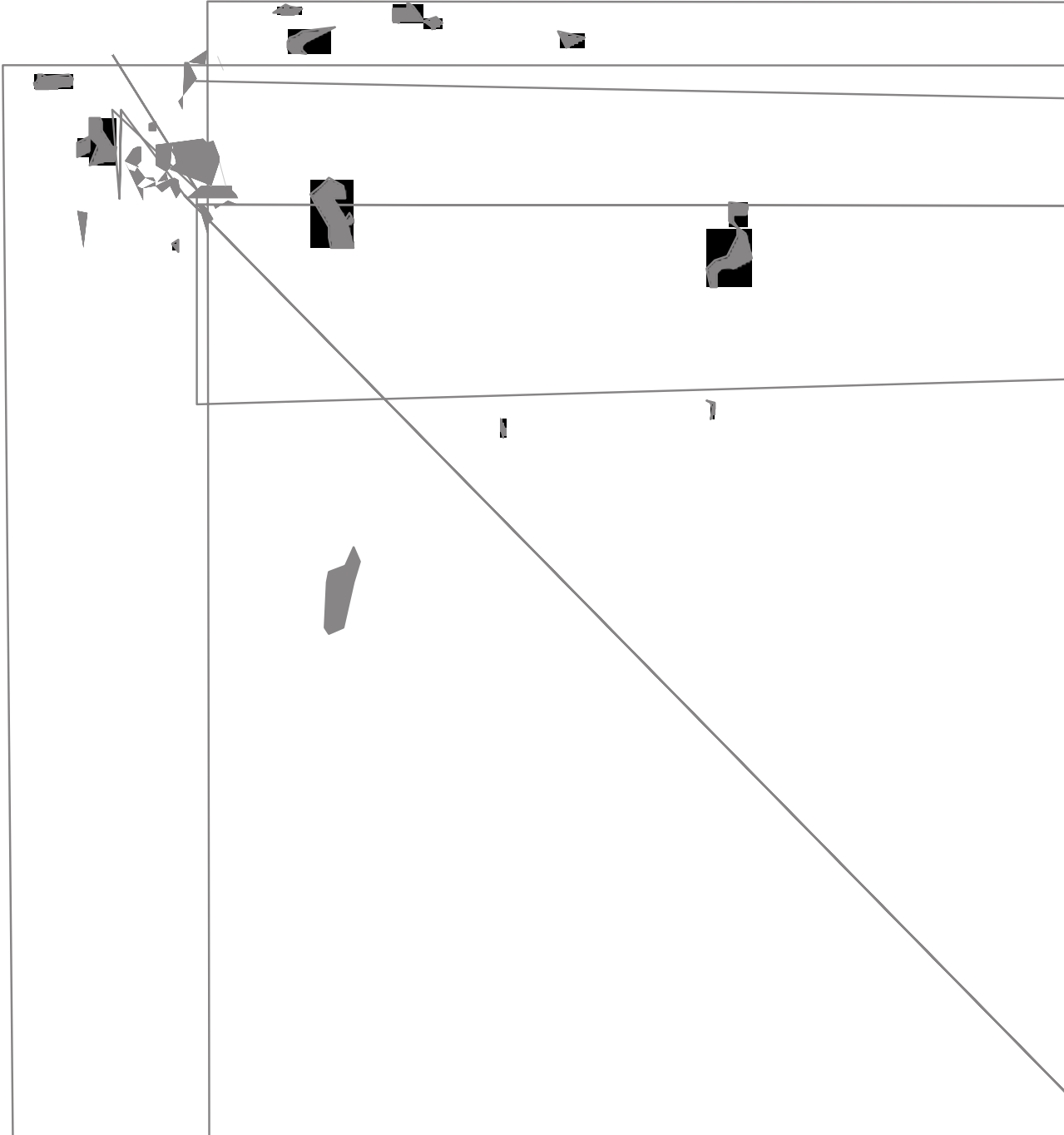
permanent  
scientists

temporary scientific staff: post-docs,  
staff associates, long-term visitors

short-term visitors:  
associates, guest scientists

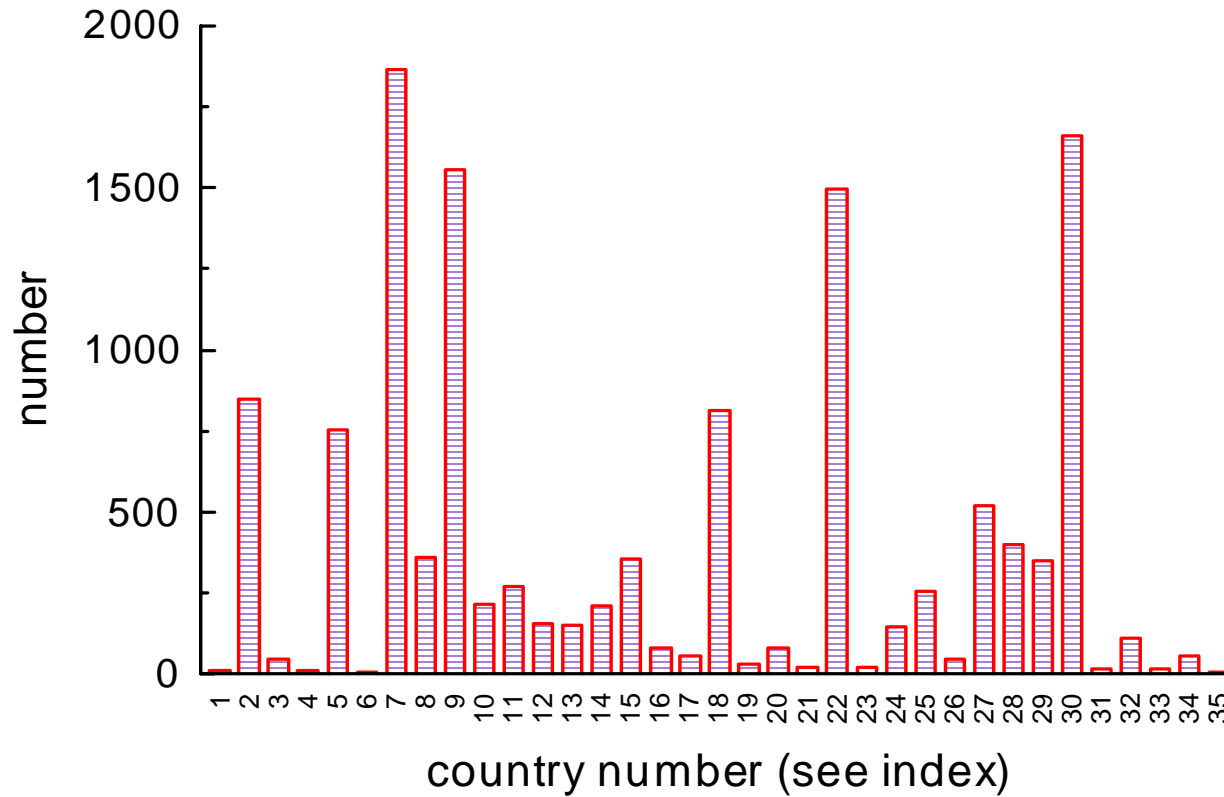
4000-6000 per year  
6441 in 2004

participation in conferences,  
schools and workshops;  
diploma students



- ✠ ICTP visitors from 1970-2004  
(including associates, TRIL fellows, course participants and researchers).
- Institutes collaborating with OEA  
Institutes collaborating with ARPL  
Institutes collaborating with SCS

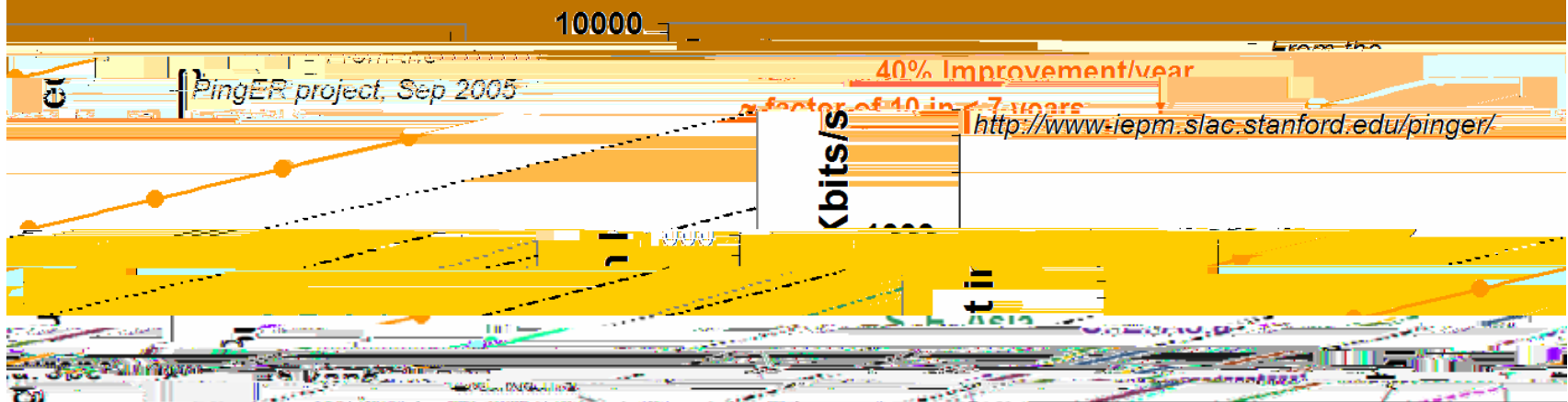
# number of ICTP visitors from Islamic countries



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# TCP Throughput Measured From N. America to World Regions



## Diploma Program in Physics and Mathematics (since 1991)

Total number of students: 405 (M=80%, F=20%)

43% returned home immediately  
41% obtained Ph.D. (15% from the US, 16% from  
Western Europe, 10% from elsewhere)  
16% unknown

### Regional breakdown

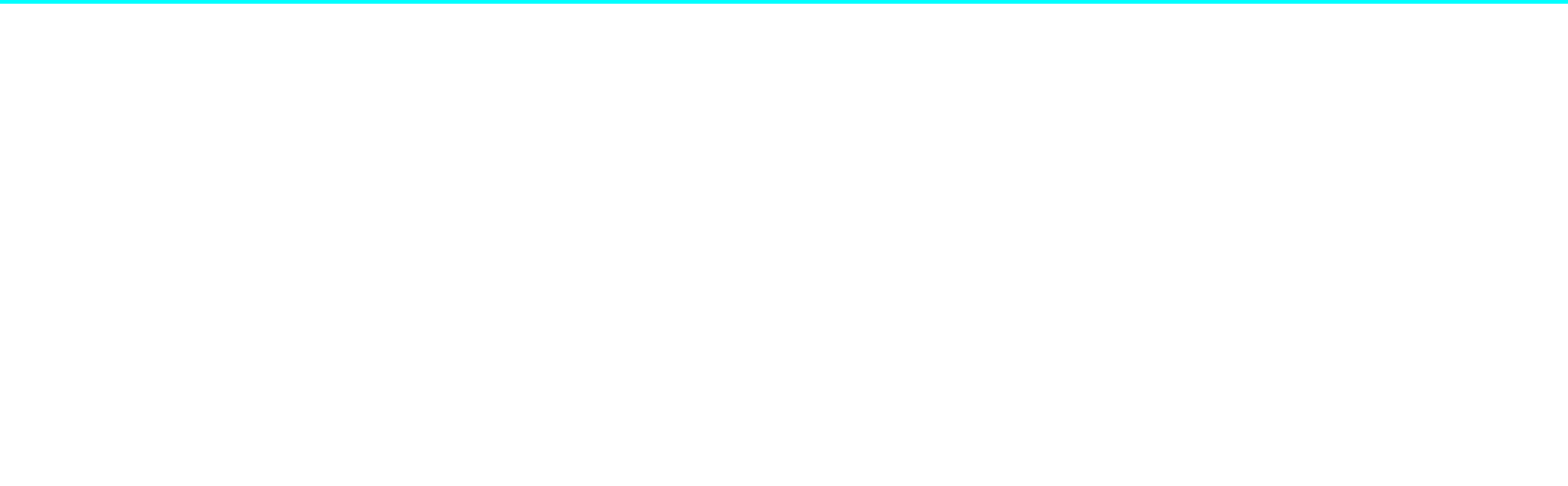
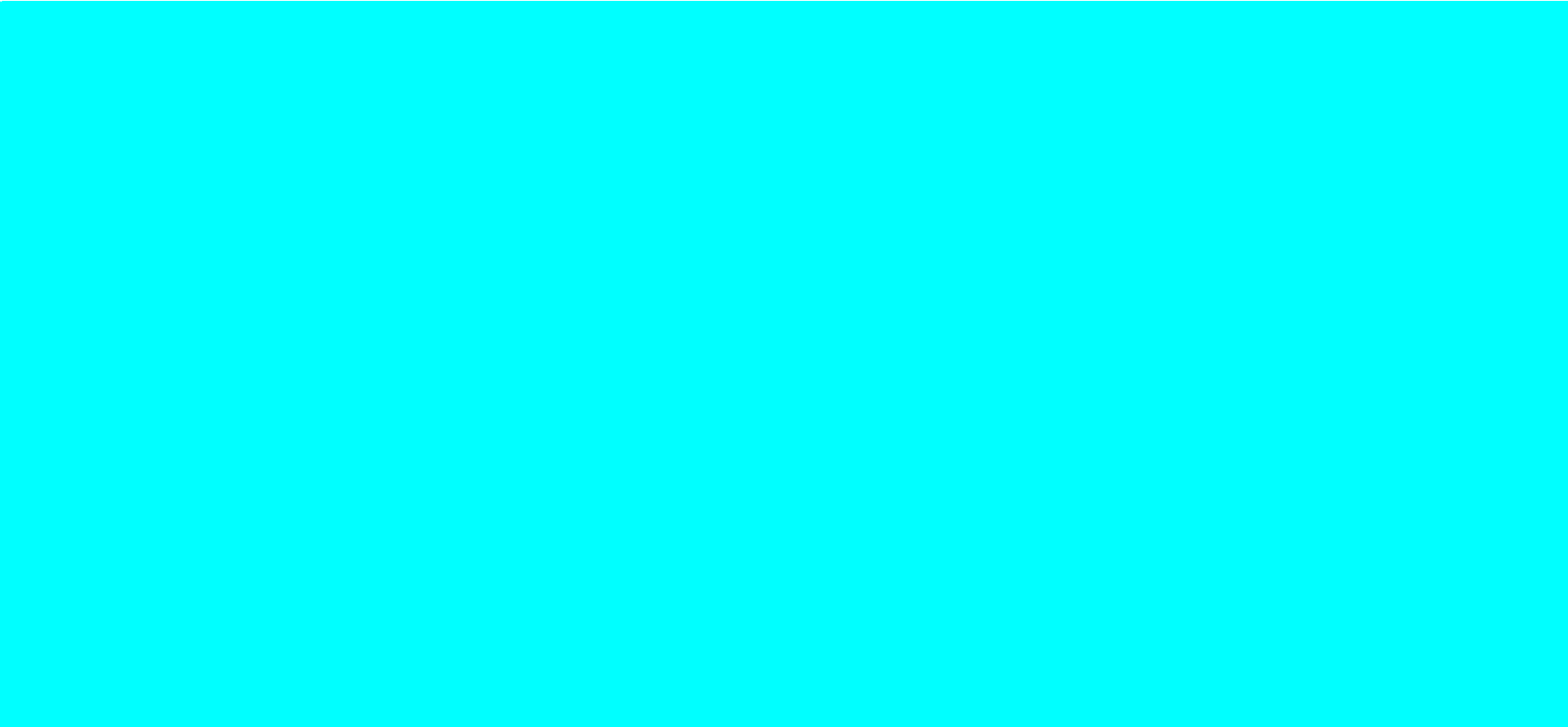
Africa: 37.7%

Asia: 42.2%

Eastern Europe: 4.2%

Latin America: 14.6%

Oceania: 2.1%



SANDWICH Ph.D. PROGRAM (since 2002)  
(Ph.D. degree from home institution, of up to  
6 months at ICTP)

70 students admitted, 16 graduated so far  
(5 women, 11 men)

Africa: 10

Asia: 3

Eastern Europe:



## TRIL Fellows

Total number: 1022

Information available for: 277

## TRIL Fellows in

Academia: 191

Industry: 5

Research Labs: 76

Government: 5

## Geographic distribution

Africa: 13.4%

Asia: 41.4%

Eastern and Western Europe: 22.4%

Latin America: 22.7%

Oceania: 0.1%

## Associates

Total number: 2280

Current: 769

Associates in

Academia: 2006

Industry: 0

Research Labs: 19

Other: 209

Not known: 46

Geographic distribution

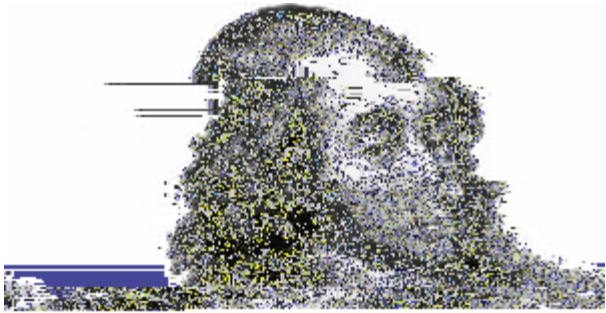
Africa: 28.9%

Asia: 45.4%

Eastern Europe: 8.1%

Latin America: 17%

Oceania: 0.6%



August 19

# Research at ICTP

Carried out by about 28 permanent scientists, about 50 post-docs, short-term and long-term visitors, consultants and collaborators from other Trieste institutions, in areas such as:

- High Energy, Cosmology and Astroparticle Physics
- Condensed Matter and Statistical Physics
- Pure and Applied Mathematics
- Applied Physics (Medical Physics, Optics and Lasers, Fluid Dynamics, Plasma Physics, Soft Matter, Nuclear Physics, Biophysics, Energy, ...)
- Earth Sciences (Weather, Climate Changes, Oceanography, Earthquake Prediction, Soil and Coastal Erosion, Desertification,...)
- Laboratory activities (Instrumentation, Information Technology, ...)
- Ecological and Environmental Economics

**IT IS IMPORTANT TO HAVE A STRONG CORE OF SCIENTIFIC EXCELLENCE: WHAT WE DON'T HAVE, WE CANNOT IMPART TO OTHERS.**

## **Programs at ICTP\***

- Diploma programs; Masters degree; Ph.D. degree (both local and SANDWICH); post-doctoral appointments
- Associateships; TRIL fellowships
- Schools; Colleges; Workshops; Conferences
- Affiliate Centres; Federation Agreements; Networks support for starting new centres
- Support for regional conferences, often with other donors
- Provide research environment for senior researchers
- Provide electronic access to scientific literature
- And so forth

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**\*conducted often in close collaboration with and support of Italian institutions in Trieste and elsewhere, and many other international institutions**