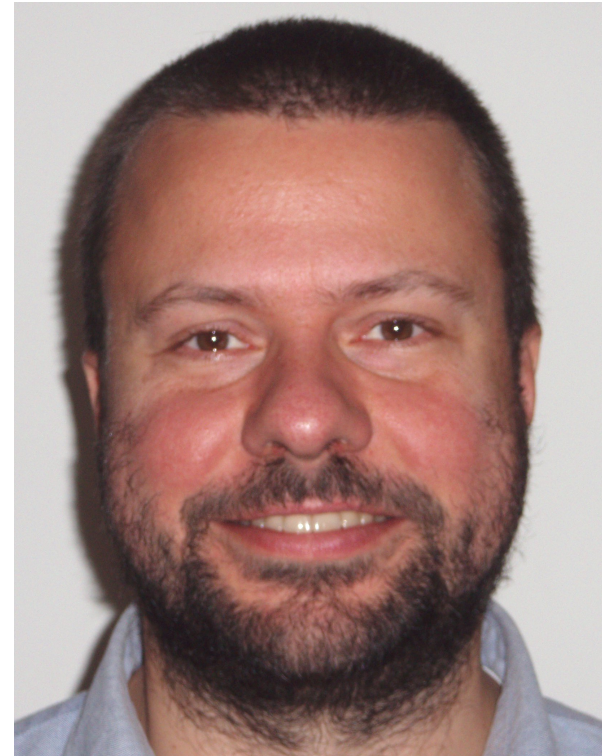


- Nicola Seriani
- Associate Research Scientist
- The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

- M.Sc. in Physics,
University of Trieste, Italy
- Ph.D. in Materials Science,
TU Dresden, Germany
- Postdoc in Vienna, Austria



My hometown Trieste
200,000 inhabitants
Port at the Adriatic Sea



<http://ontheworldmap.com/europe/>



The Abdus Salam
International Centre
for Theoretical Physics



IAEA
International Atomic Energy Agency

Barcolana regatta



<https://www.facebook.com/RegataBarcolana/>



The Abdus Salam
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for Theoretical Physics



IAEA
International Atomic Energy Agency

Miramare Castle,
at walking distance
from ICTP



<https://commons.wikimedia.org/wiki/File:Miramare2.jpg>



The Abdus Salam
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IAEA
International Atomic Energy Agency

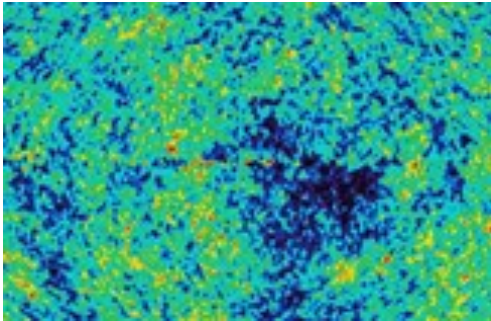
ICTP: World-class Research and a Successful Model of International Collaboration



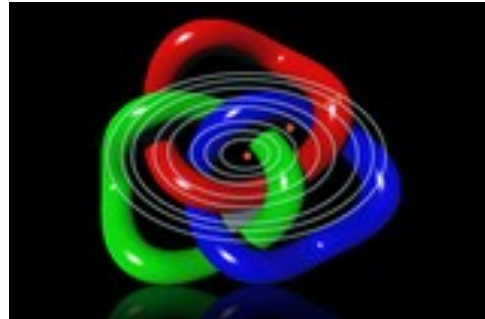


- Founded in 1964 by Nobel Laureate Abdus Salam to enhance international cooperation through science
- Combines world class research with a unique global mission of building science capacity in the developing world
- Governed by tripartite agreement between Italy, UNESCO and IAEA

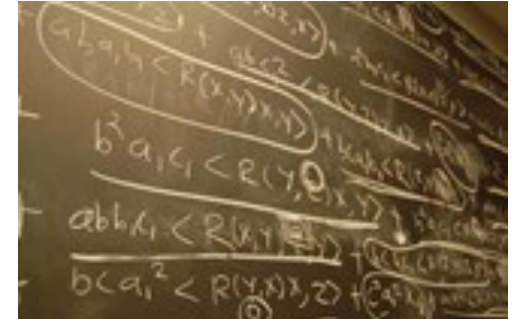
High Energy Cosmology and Astroparticle Physics



Condensed Matter and Statistical Physics



Mathematics



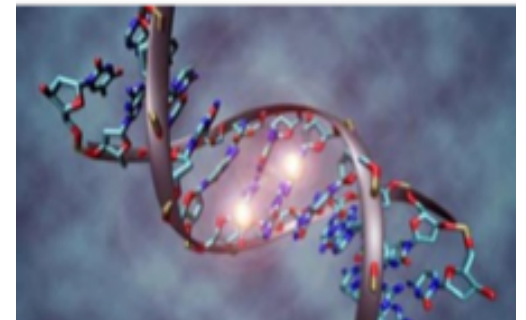
Applied Physics



Earth System Physics

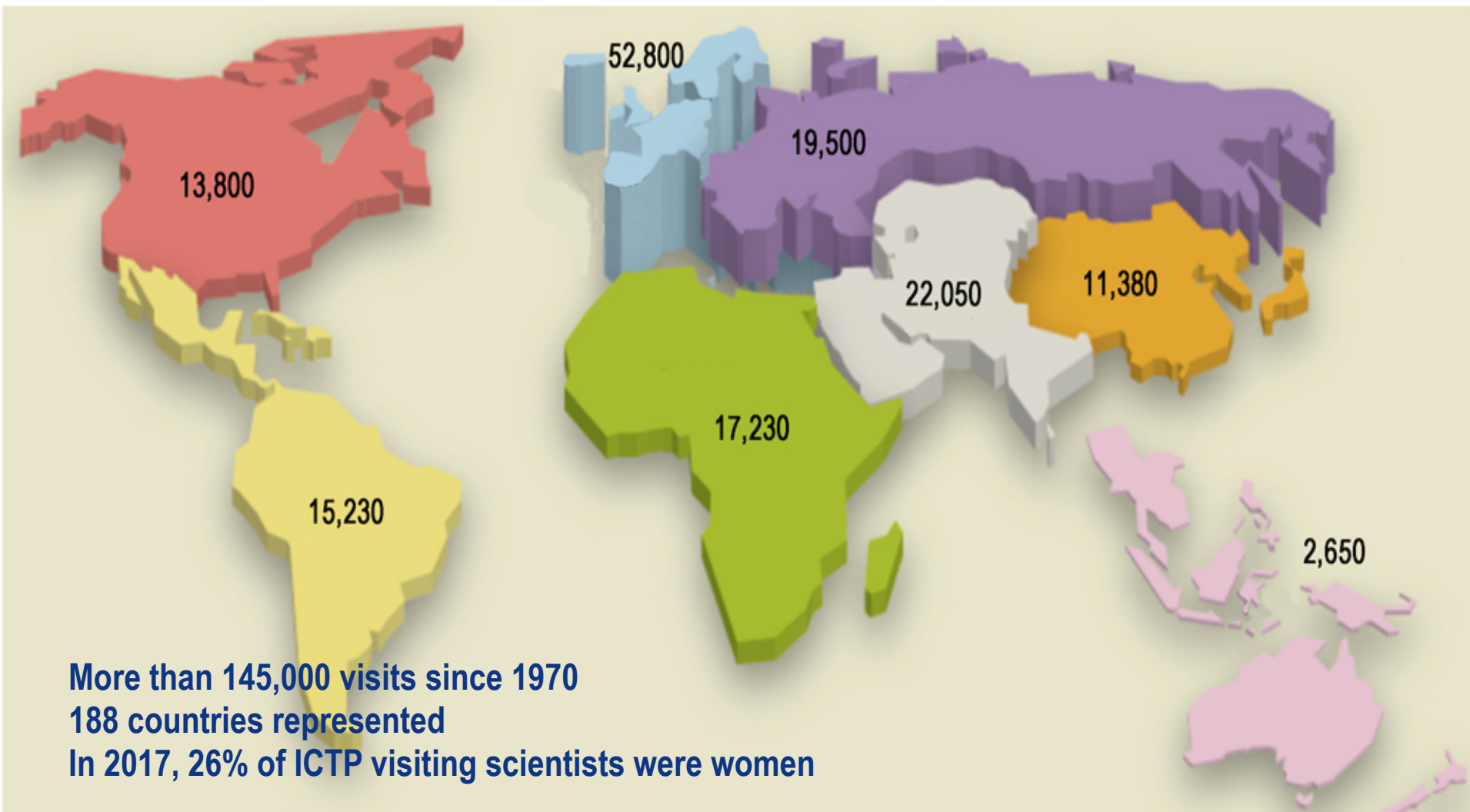


Quantitative Life Sciences



Also: Sustainable Energy and
High Performance Computing

ICTP visiting scientists: where do they come from?



More than 145,000 visits since 1970

188 countries represented

In 2017, 26% of ICTP visiting scientists were women

- Nicola Seriani
- Condensed matter physics and computational materials science;
I investigate physical processes taking place in solids and liquids:
How electrons in solids are excited by light, how they are transported to the surface, how they participate in chemical reactions at the surface

To solve the equations that describe these processes (like the Schroedinger equation), I use computers, mostly supercomputers