



IAEA

60 Years

Atoms for Peace and Development

# ***Joint ICTP-IAEA School on Zynq-7000 SoC and its Applications for Nuclear and Related Instrumentation***

## ***Introduction***

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**Welcome! Willkommen! Benvenuto!**  
**Bienvenido! Selamat datang!**  
**Ahlan wa sahlān! Ɛ ku abo!**  
**Khush āmdīd! Svaagat he! Bienvenue!**  
**Tuloy kayo! Khosh amadid!**

- Few words on the school
- Intro to IAEA
- School Rules!

# The School

- Practical
- Not just the organised sessions
- Discussions, contacts, “networking”
- Build bridges, share ideas, be philosophical

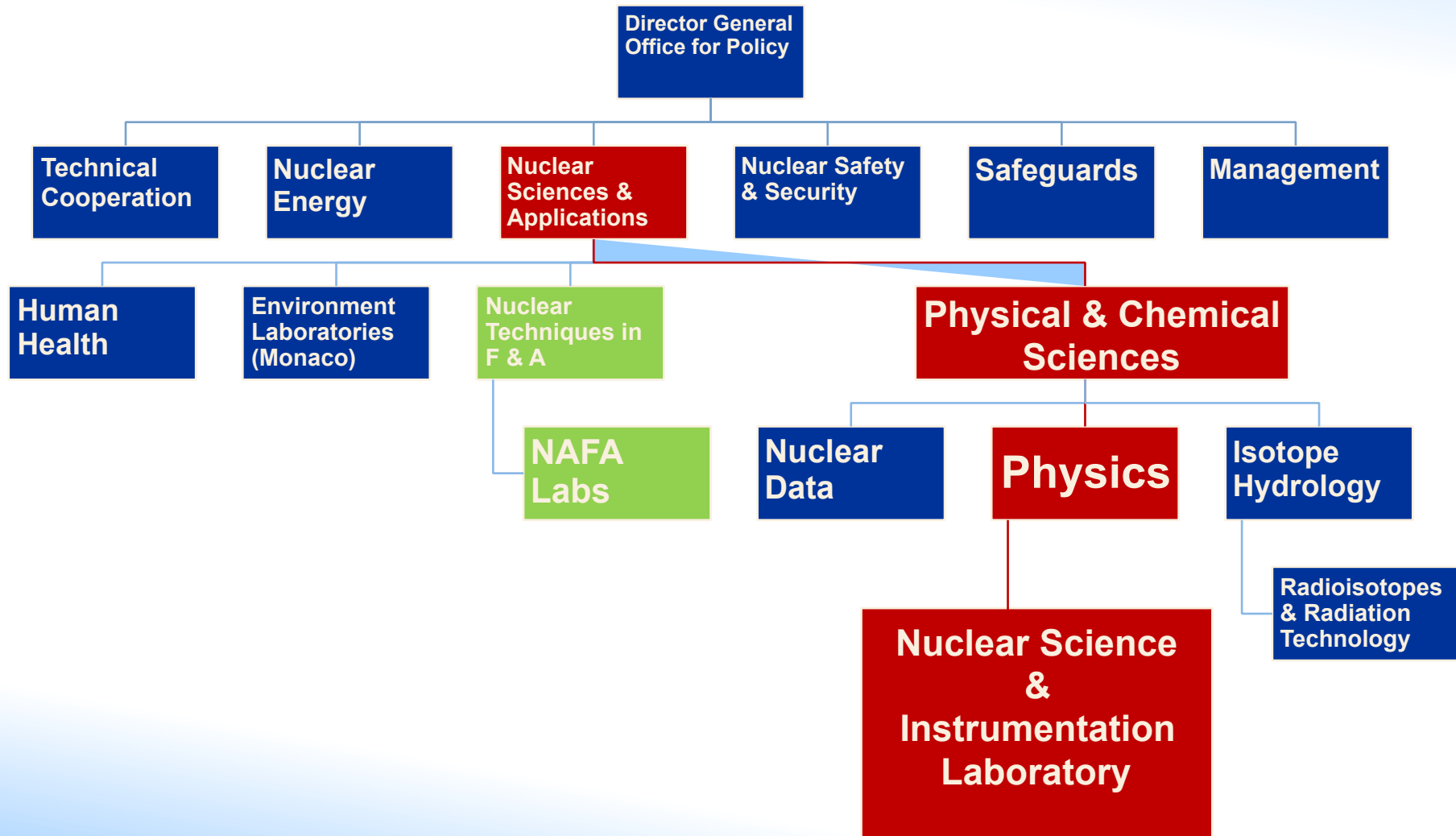
# The Plan

- Resources at:
  - <http://indico.ictp.it/event/7987/other-view?view=ictp timetable>
- Programme
  - Linear!
  - Solo - but with support
  - Culminates in projects
- A word on the hardware platform

# IAEA by the numbers

- Created in **1957**
- **168** Member States (Jan'17)
- **2400+** Staff
- **1** Headquarters (Vienna)
- **2** Liaison Offices (New York, Geneva)
- **2** Regional Safeguards Offices (Tokyo, Toronto)
- **3** International laboratories and research centres  
(Seibersdorf, Monaco, Trieste)

# Organisation



# IAEA Statute, Article II

- The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world.



U.S. President Dwight D. Eisenhower addresses the U.N.  
General Assembly, 8 December 1953  
*Atoms for Peace Speech*

# Nuclear Sciences & Applications (NA)

- *“to enhance [the IAEA’s] role in promoting the advantages of nuclear technology and applications where they have an added value for addressing basic human and socio-economic development needs and in promoting capacity building in Member States”*
- *In the Areas of:*

Food Security

Human Health

*Cancer Control*

*Water Resources Management*

*Industrial Applications*

*Environmental Protection*



# Nuclear Sciences & Applications (NA)

Fighting a  
global cancer  
epidemic



Improving the  
diagnosis and  
treatment of disease



Promoting food security and  
sustainable economic  
development



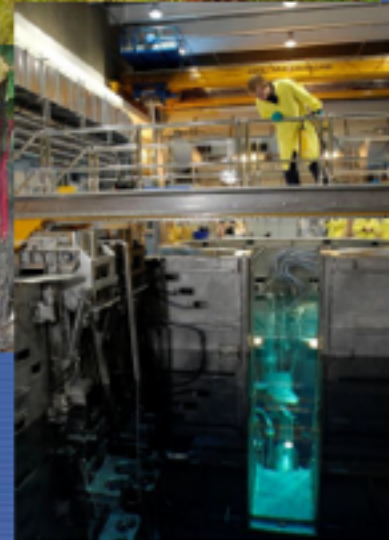
Understanding  
and protecting  
the  
environment

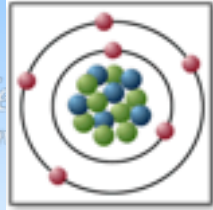


Making more, and  
cleaner water  
available to more  
people



Providing  
knowledge  
and  
expertise for  
science and  
industry





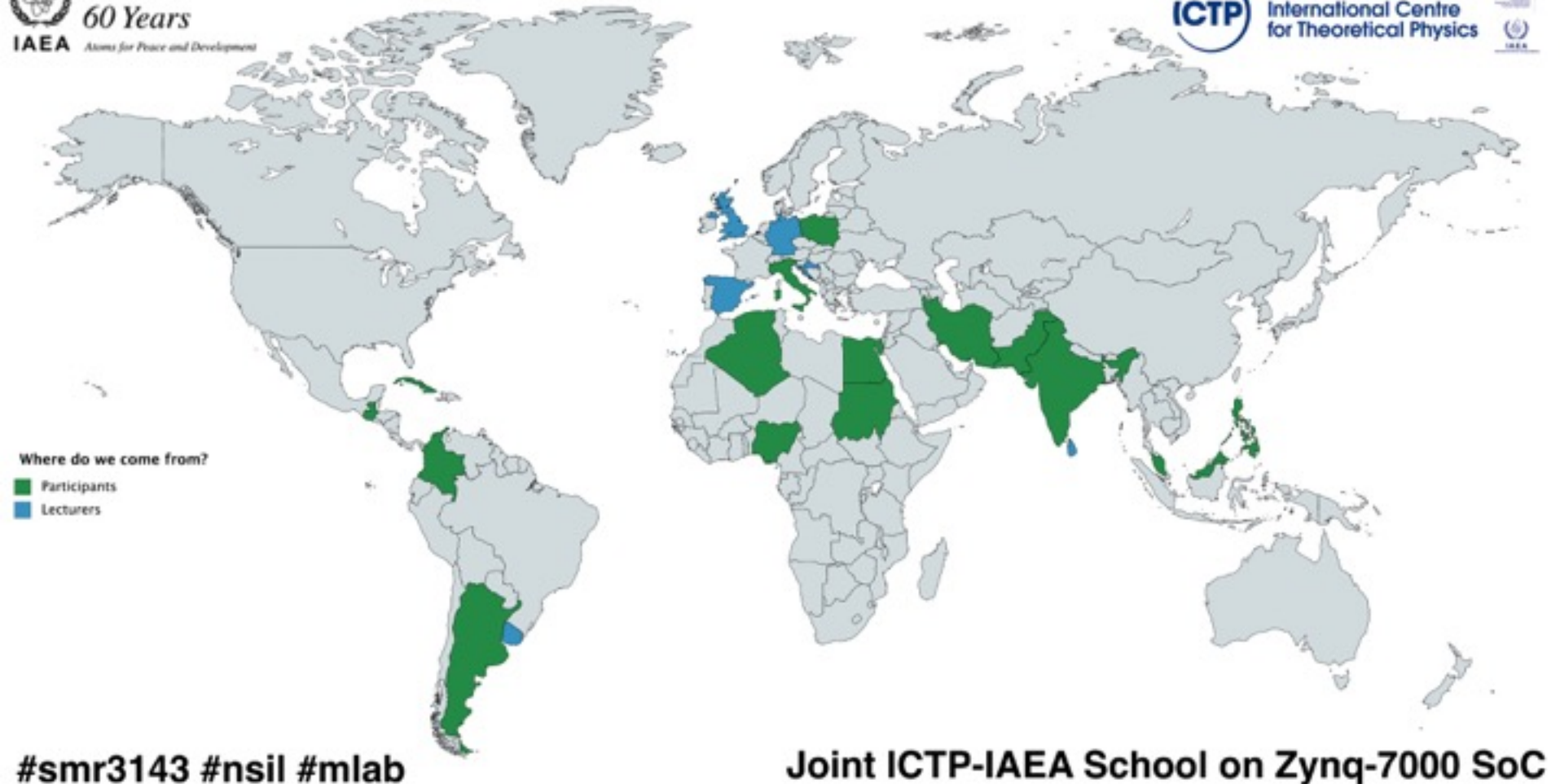


# Courtesy & Consideration

- The only RULE
- International
- Diverse
- Common Sense\*



# Where are we from?



# Courtesy & Consideration

- The only RULE
- International
- Diverse
- Common Sense\*
- Harassement
- Peers
- Faculty



# Punctuality

- Busy programme
- Invited to someones “house”
- Courtesy to peers & faculty



# Superheroes

- Lots of computers
- In general you have admin rights
- admin rights = admin PRIVILEGES
- Take care and don't abuse the systems
- USERS not OWNERS i.e don't change:
  - desktops
  - settings
  - personal little preferences





# Day Trips

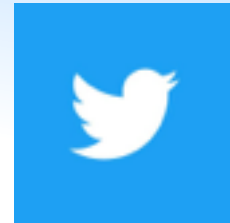
- Two castles
  - Waterfront
  - Venice!
- 
- Not formal but we can gather groups and make help arrangements





# Social Media / Photos

- Twitter: #smr3143 #Soc #Zedboard



- Comms group using Telegram

- <https://t.me/joinchat/Fg3qOwrLfnPUdlw-hL1t4g>

- <https://goo.gl/i6vayK>



- Photos

- <https://goo.gl/photos/csejMmxx1kChgtZY6>
  - take lots!





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## Go forth...

- **Enjoy yourself**
  - **personally**
  - **professionally**
  - **these Schools are a truly wonderful opportunity to have life changing, career changing experiences (ask some of the others)**
  - **...but only if you are willing to invest something of yourself in it.**

**"I am tomorrow, or some future day, what I establish today. I am today what I established yesterday or some previous day."**