

# **Nuclear Education and Training: Addressing a Global Need**

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# RENEWED GLOBAL INTEREST IN NUCLEAR ENERGY

- Increasing energy and electricity demand
- Low greenhouse gas emissions
- Excellent operational experience of existing plants
- Advanced technologies

# The Next Thirty Years

- Continued Safe Operations
- New Technologies
- Generation IV reactors
- Recycling

# Tools and Equipment Past and Present

Adding  
machine



Electric  
typewriter



Computer



Blackberry



I-Phone



# NEA Role in Human Capital

- Conduct Assessments
- Education Programmes
- International Research Projects

# Qualified Human Resources

« Nuclear Education and Training:  
Cause for Concern » (2000)

- Methodology and Objective
- Finding: Situation Deteriorating

# Shortfall of Nuclear Expertise

- Sharp declines observed in countries dependent on large nuclear infrastructures
- Student attitudes and interest declining
- Age of faculty members up
- Aging research facilities
- Graduates going elsewhere