



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



1962-30

Joint ICTP-IAEA School of Nuclear Knowledge Management

1 - 5 September 2008

The World Nuclear University: Achievements & Perspectives

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London
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U.K.*

2008 School of NKM

The World Nuclear University



*A Global Partnership for
Sustainable Development*

Madiba Saidy

**Sept. 5, 2008
Trieste, Italy**





What is the WNU?

The World Nuclear University is a global partnership committed to enhancing international education and leadership in the peaceful applications of nuclear science and technology



Goals

*Inter-institutional cooperation for the
enhancement of nuclear education
and
the inspiration of future leaders in
nuclear technology*



The Founding Supporters



IAEA

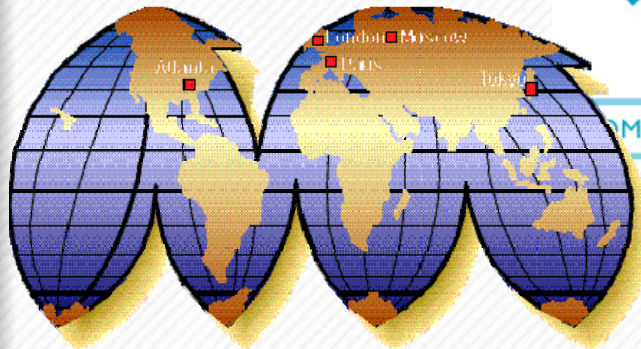


OECD/NEA

Nuclear Energy Agency



**WORLD
NUCLEAR
UNIVERSITY**



W A N O

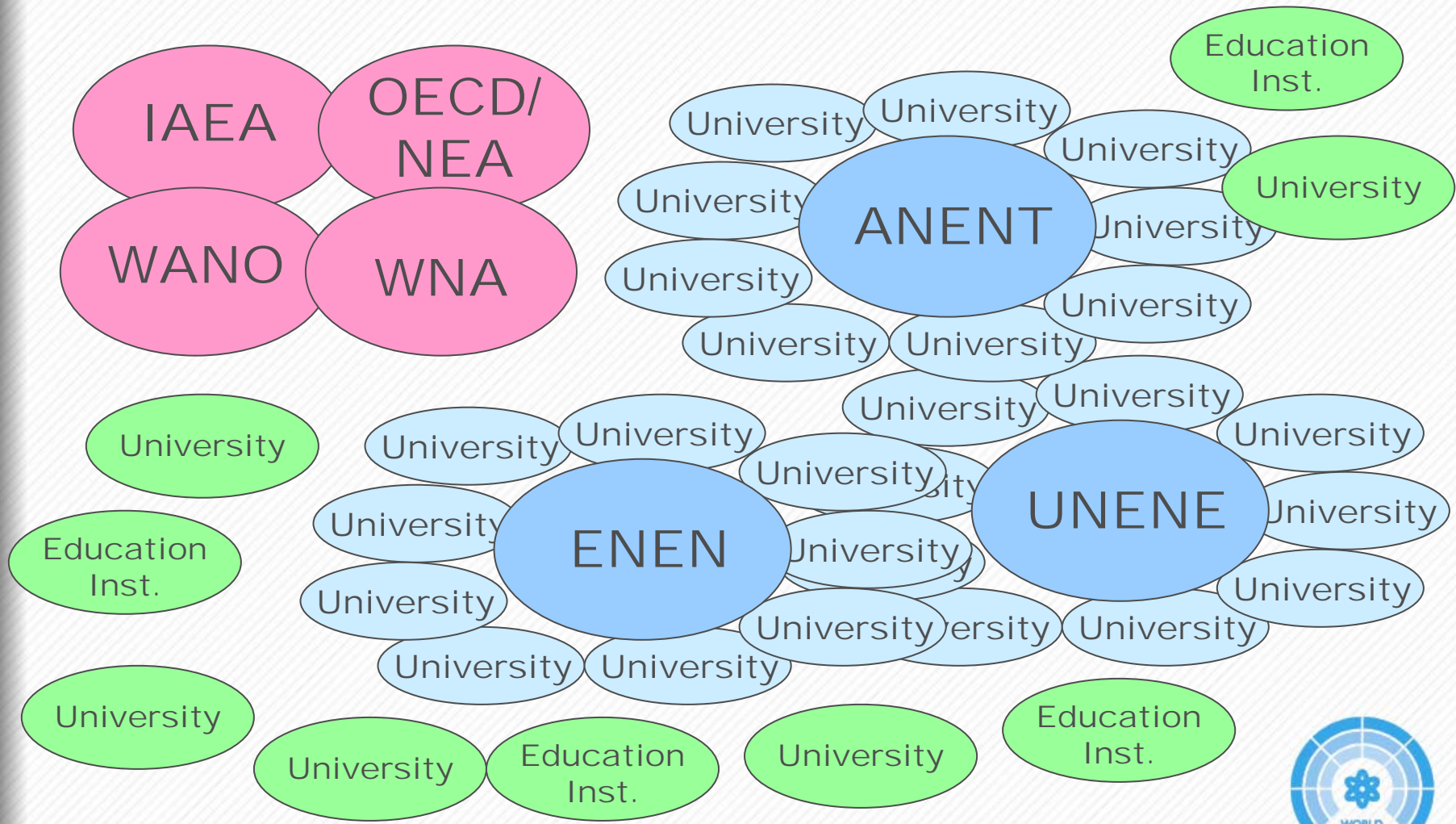
TOOLS FOR SUSTAINABLE DE



**World
Nuclear
Association**

TOOL FOR SUSTAINABLE DEVELOPMENT

The WNU is a Partnership



Participating Institutions

- 1) Argentina: Balseiro Institute (CNEA – Bariloche Atomic Centre / Cuvo University)
- 2) Australia: Australian Nuclear Science & Technology Organisation (ANSTO)
- 3) Austria: Atomic Institute of the Austrian Universities
- 4) Belgium: Belgian Nuclear Research Centre (SCK*CEN)
- 5) Brazil: Brazilian Nuclear Energy Commission (CNEN)
- 6) Bulgaria: University of Sofia and Technical University of Sofia
- 7) Canada: University Network of Excellence in Nuclear Engineering
- 8) China: Tsinghua University Institute of Nuclear Technology (INET)
- 9) Czech Rep: Technical University of Prague & Nuclear Research Institute REZ
- 10) Finland: Helsinki University of Technology and Lappeenranta University of Technology
- 11) France: Institut National des Sciences et Techniques Nucléaires (INSTN)
- 12) Germany: Technical University München (TUM) and German Network on Nuclear Technology
- 13) India: Bhabha Atomic Research Centre Training School
- 14) Israel: Shalhaveth Freir Center for Peace, Science and Technology
- 15) Italy: IUSS-University of Pavia and CIRTEN Consortium
- 16) Japan: Tokyo University & Tokyo Institute of Technology
- 17) Rep. of Korea: KAERI (Korean Atomic Energy Research Institute) & KAIST (Korean Advanced Institute of Science & Technology)
- 18) Mexico: National Autonomous University of Mexico (UNAM)
- 19) Pakistan: Pakistan Institute of Engineering & Applied Sciences (PIEAS)
- 20) Russia: Kurchatov Institute and MEPhI (Moscow Engineering Physics Institute)
- 21) South Africa: North West University
- 22) Spain: Polytechnique University of Madrid
- 23) Sweden: Swedish Centre for Nuclear Technology
- 24) United Kingdom: Nuclear Academics Industrial Liaison Seminar (NAILS) and University of Manchester/UMIST
- 25) USA: Texas A&M (leader of Southwest Consortium), Oregon State (leader of Western Nuclear Alliance) & Argonne National Lab (coordinator for US labs)
- 26) Europe-wide: European Nuclear Engineering Network (ENEN) – 17 country



The WNU Coordinating Centre



Chancellor
Hans Blix



President
John Ritch



Vice-Chancellor
Bob Hawley



Philippe Hauw



Secondees



Madiba Saidy

WNU Programmes

1. Facilitate Multinational Academic Cooperation

2. Build Nuclear leadership

2.1 Young Professionals (SI)

2.2 Executives

2.3 Managers

3. Foster Global Consensus

Creative exchange Seminars

4. Enhance public understanding

4.1 One day presentations

4.2 Opinion leaders seminars

4.3 Secondary school support

5. Sc. & Regul. Consensus

6. Workforce professionalism

WNU Programmes

1. Facilitate Multinational Academic Cooperation

- Course compendium
- Peer support visits
- Cooperation workshop

Academic Council

WNU Programmes

2. Build Nuclear Leadership

- Summer Institute
- WNU Executive Seminars for Nuclear and Regulatory Leaders
- WNU Advanced Nuclear Management Programme



WNU Summer Institute



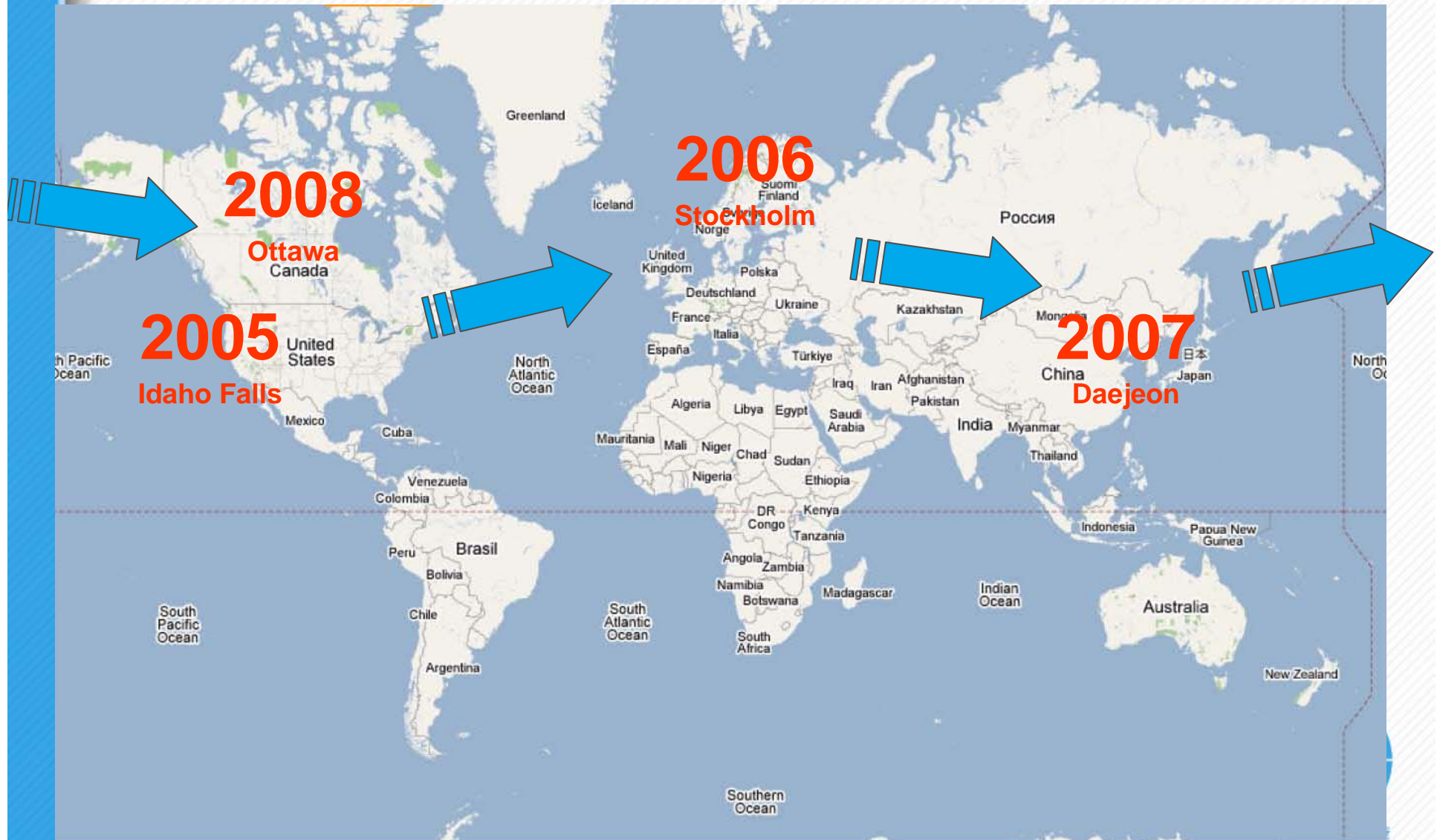
A leadership training
programme

~100 young professionals

~35 countries

Tackle the main
nuclear issues
&
Build lasting bonds

WNU Summer Institutes (2005-08)



WNU Programmes

3. Foster Global Consensus on Future Nuclear Technology & Multinational Institutions

- Off-the-record seminars to discuss current proposals to strengthen the technological and institutional foundations of the expanding global nuclear industry



WNU Programmes

4. Enhance Public Understanding

- Secondary School Support
- “Nuclear Power Today”
- Executive Seminars for opinion leaders



WNU Programmes

5. Shape Scientific and Regulatory Consensus on Issues Affecting Nuclear Operations

- Harmonization of Reactor Design Requirements
- Low-dose Radiation
- Real Consequences of Nuclear Accidents
- Physical Protection of Nuclear Facilities



WNU Programmes

6. Strengthen International Workforce Professionalism

- WNU Expert-level Orientation
- WNU School of Uranium Production



WNU 1-Week Expert Orientation Course

Aimed at nuclear specialists in universities, research centres, industry, government and regulators

Objectives –

- to increase their knowledge about how nuclear science and technology are applied in the world today
- to recognise how their own special skills and experience fit into this global picture
- to inspire them to develop an expansive vision of where this industry can go in the future
- to network with fellow nuclear professionals in their countries



One-week WNU Courses (2008)



Beijing class - July 2007



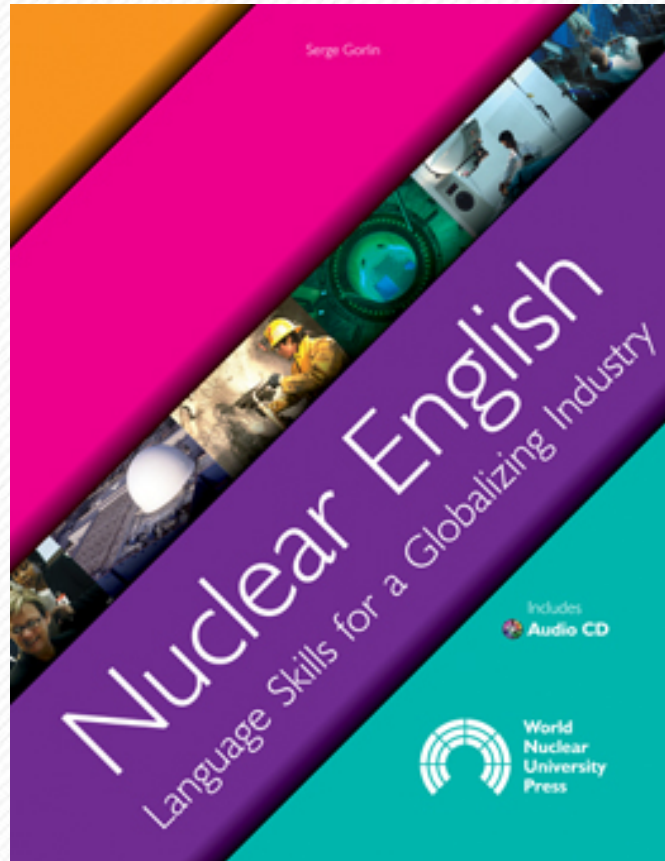
Rio de Janeiro class - March 2008



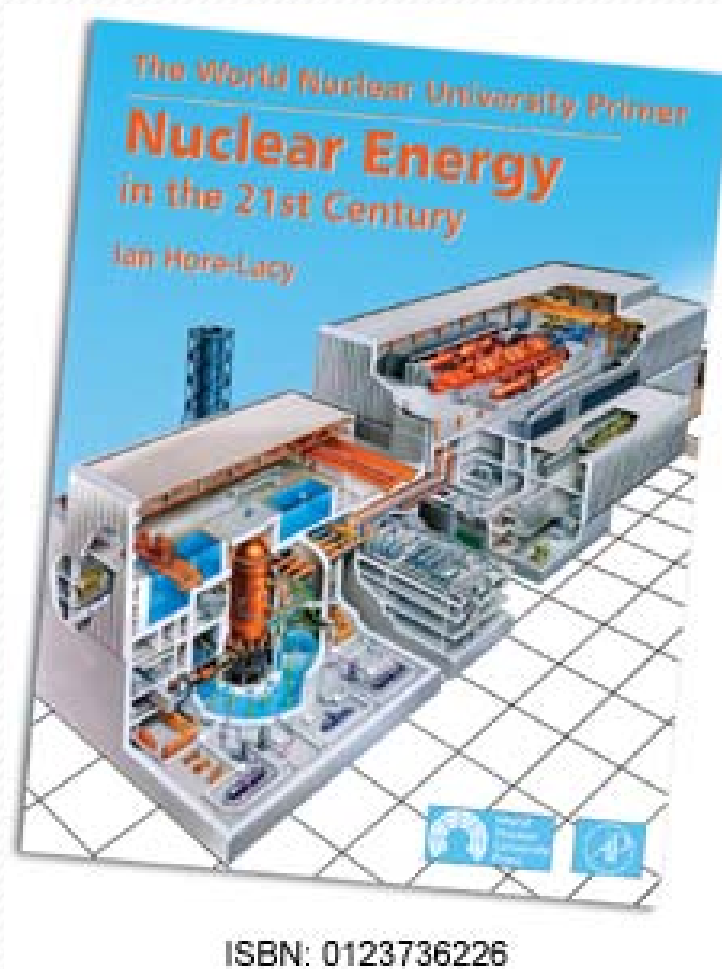
South Africa class - June 2008



Nuclear English - Language Skills for a Globalizing Industry

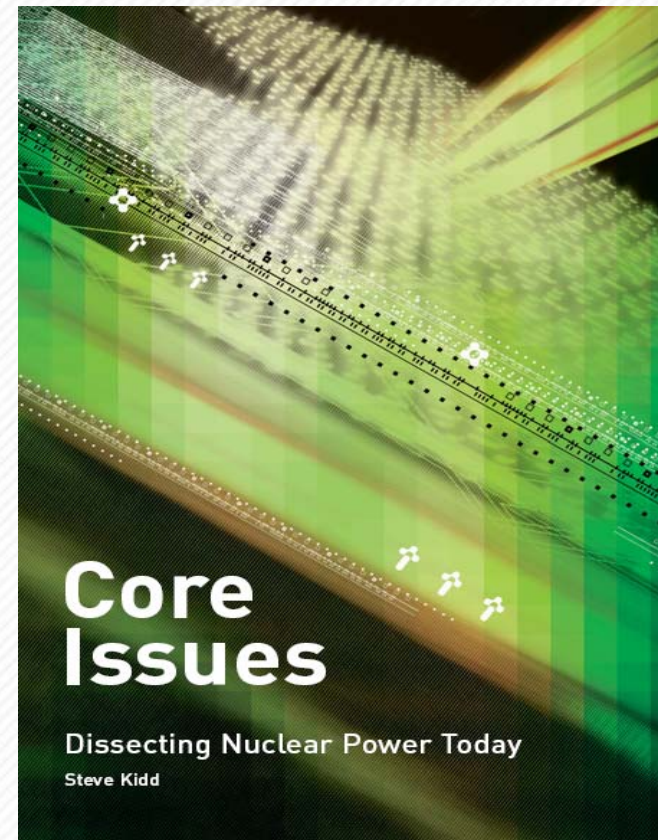


Publications



ISBN: 0123736226

WNU Primer



New Book!



THE WNU - A VITAL COMPONENT OF THE NUCLEAR RENAISSANCE

■ A HUGE EXPANSION OF NUCLEAR POWER

- requires a global awareness of nuclear issues by all concerned parties,
- and moral qualities in future nuclear leaders,
- which the WNU will foster

■ A WORLDWIDE NUCLEAR COMMUNITY

- guarantees higher quality, safety and security
- allows for sound international regimes



WNU Website

Visit the WNU website at:

www.world-nuclear-university.org

Thank you for your attention

