

THE WORLD'S PUSH FOR HUMAN SECURITY

4 **Ready for the Challenge**

Jan Eliasson, incoming President of the UN General Assembly, talks about the September 2005 UN Summit and the need for reforms.

Sidebars:

- ❖ Talk at the Summit, a review of issues on the agenda.
- ❖ NPT Breakdown, views on the 2005 Review Conference of the Nuclear Non-Proliferation Treaty.

8 **Eight is Enough**



Jeffrey Sachs and **John McArthur** look at why the world's eight Millennium Development Goals to cut poverty are affordable and within reach — if countries renew the push to do it.

Sidebars:

- ❖ The Millennium Development Goals, the eight goals adopted in 2000.
- ❖ Ending Poverty in the First Degree, achievable in our lifetimes.

13 **A Chance for Real Change in Africa**

Bono, activist and global rock star, talks about his life's journey to save millions in Africa's poorest countries.

Sidebars:

- ❖ Cause Celeb, famous faces join hearts, hands and minds.
- ❖ G8 Doubles Aid, results of the 2005 Group of Eight Summit.

17 **Goals? What Goals?**

Surveys of the European Union show that Europeans back development but don't know much about the world's Millennium Development Goals.

19 **One Size Doesn't Fit All**



Development analysts **Sanjay Reddy** and **Antoine Heuty** look to India and other countries for practical approaches that work to cut poverty.

21 **X-Presidential Powers**

Three former Heads of State add powerful voices to global calls for action.

- ❶ **Hungering for Action**, South Africa's **Nelson Mandela** on the global campaign trail.
- ❷ **Worlds Apart Come Together**, the USA's **Jimmy Carter** sees hope...and risks.
- ❸ **New Glasnost for the Planet**, Russia's **Mikhail Gorbachev** sees security in a new light.

VILLAGE VOICES: SCIENCE & TECHNOLOGY FOR LIFE

27 **No Time to Lose**



Massoud Samiei, **Michael Rosenthal** and **David Kinley III** report on why the IAEA has joined forces to fight the spread of cancer in the world's poorest regions.

Sidebars:

- ❖ IAEA's Life-Saving PACT, a top health goal.
- ❖ Case File: Guatemala, a village gains health care.

- 33 **The Early Years: Keys to Child Nutrition & Health**
Lena Davidsson highlights selected IAEA nutrition projects that are contributing to the world's Millennium Development Goals for infants and young children.

- 36 **Villages of Hope: Ricemakers of Vietnam**



Where security means food, rice rules. In Vietnam, village farmers and scientists work together to stand among the world's top rice producers.

- 38 **H₂O Know-How**



Pradeep Aggarwal and **Ali Boussaha** describe the IAEA's work to spread the science of isotope hydrology for preserving aquifers and managing precious groundwater resources.

Sidebar:

- ❖ Spring of Hope, snapshots capture a Colombian community's reliance on the Morroa aquifer.

- 46 **Catching Up is Hard to Do**
 Educator and scientist, **Edmund Zingu** explains why science feeds development and looks at how countries in Africa are trying to gain ground.

Sidebar:

- ❖ A Scientist's Home-away-from-Home, the ICTP in Trieste.

- 50 **The World's Nuclear Knowledge Reservoir**
Taghrid Atieh and **Robert Workman** report on the changing International Nuclear Information System (INIS), marking 35 years of service.

- 52 **Energy for Development in the Real World**
Pieter van Geel emphasizes the links between clean and affordable energy and the goals of sustainable development.

Sidebar:

- ❖ Nuclear Science Helps Mexico City Breathe Easier, pollution control in the capital.

- 55 **Nuclear Reactions**
 Nuclear power for electricity generation keeps generating heated debate...

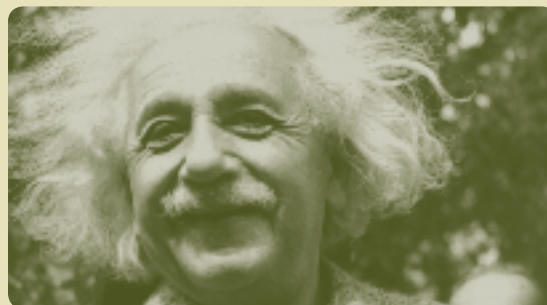
- ❶ Nukes are Green, by **Nicholas Kristof**, US newspaper columnist.
- ❷ Nukes are the Blues, by **Helen Caldicott**, Australian activist.

- 58 **Sensing the Danger**
Lassina Zerbo examines whether tsunami early warning systems can benefit from technology used for monitoring nuclear testing.

Sidebar:

- ❖ After the Shock: Keeping Nuclear Plants Safe, IAEA workshop.

- 61 **Einstein's Legacy**



Herwig Schopper, former head of the European Organization for Nuclear Research, talks about the genius behind the International Year of Physics, and why the adventure is far from over.

Sidebar:

- ❖ Physics Helping the World, IAEA Scientific Forum.