

C. Links to Education

New Methods of Teaching Science

❖ Inquiry-based Science Education (IBSE)

(Promoted by IAP)

- engages students in the learning process through experimentation, promotes their critical thinking and develops their problem-solving skills.
- IBSE has so far been introduced mainly in primary schools

❖ Education for Sustainable Development

(Promoted by UNU and UNESCO)

- Includes sustainable development issues into teaching and learning (*climate change, natural disasters, water, energy, poverty...*)



Science Centres and Museums

- ❖ Interactive science centres are important hubs for “informal”, hands-on science education.
- ❖ They bring science to society, promote scientific literacy, stimulate curiosity and develop enquiring minds.
- ❖ About 300 million citizens participate yearly in interactive exhibitions organized by nearly 2,500 science centres globally.
- ❖ **Sustainability Science** should be integrated into interactive exhibits



At least one science centre
in every country

Research universities

- ❖ Each country should have at least one top-class **research university**
 - to connect research and education
 - to set standard for quality and excellence
 - to attract best and brightest students
 - **to link knowledge to global challenges**





Graduate Program in Sustainability Science

Graduate School of Frontier Sciences, The University of Tokyo



Graduate Program in Sustainability Science (GPSS) is an international graduate program to train internationally-minded professionals and researchers that can help create a sustainable society. All lectures and practical courses are carried out in English, and those who complete the program are awarded a degree of **“Master of Sustainability Science” or “Ph.D. in Sustainability Science”**.



HARVARD Kennedy School

MOSSAVAR-RAHMANI CENTER for Business and Government *Sustainability Science Program*

CREATING PUBLIC VALUE

The Sustainability Science Program (SSP) is the hub of Harvard's research, teaching, and interventions on the challenges of sustainable development: fostering shared prosperity and reduced poverty while protecting the environment.



Fellowships

Doctoral, Post-doctoral, and Mid-career Fellowships in Sustainability Science



UNITED NATIONS
UNIVERSITY

United Nations University Institute for Sustainability and Peace (*Prof. Takeuchi*)

Master's Degree Program

MSc in Sustainability, Development and Peace

The two year MSc program in Sustainability, Development and Peace offers recent graduates and professionals the unique opportunity to study at a global university within the framework of the United Nations.



Doctoral Degree Program

PhD in Sustainability Science

Focusing on environmental sustainability as the central theme, the three year PhD degree program provides young scholars and researchers an interdisciplinary approach in addressing issues related to global change

