



**Exploring technology-enhanced
learning options to improve the
quality of higher forestry education**

Thomas Zschocke & Libor Jansky
United Nations University

EFI International workshop • 3-4 April 2009, Dubrovnik, Croatia

The Internet may be the means of realizing a forestry lecturer's dream. Imagine being able to discuss, for example, different timber harvesting systems used internationally with a group of motivated students from different regions of the globe in one virtual classroom.

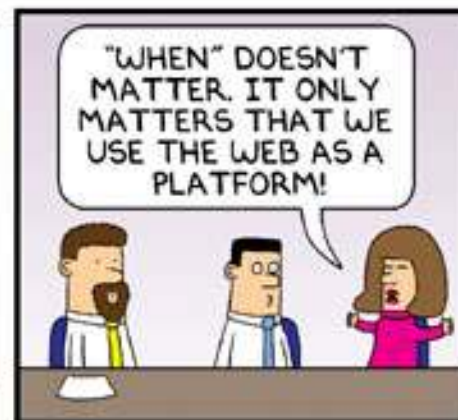
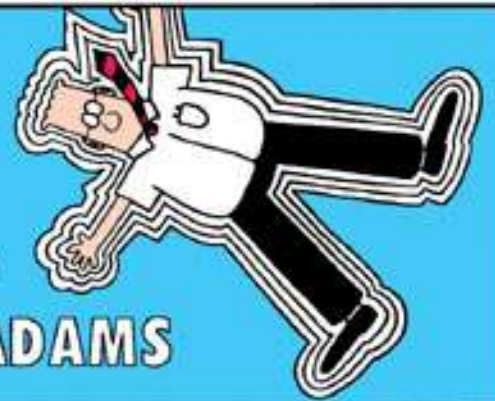
(Längin et al. (2004). In: *Unasylva*, 55 (216), pp. 39-44.)



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**From scarcity
to abundance**





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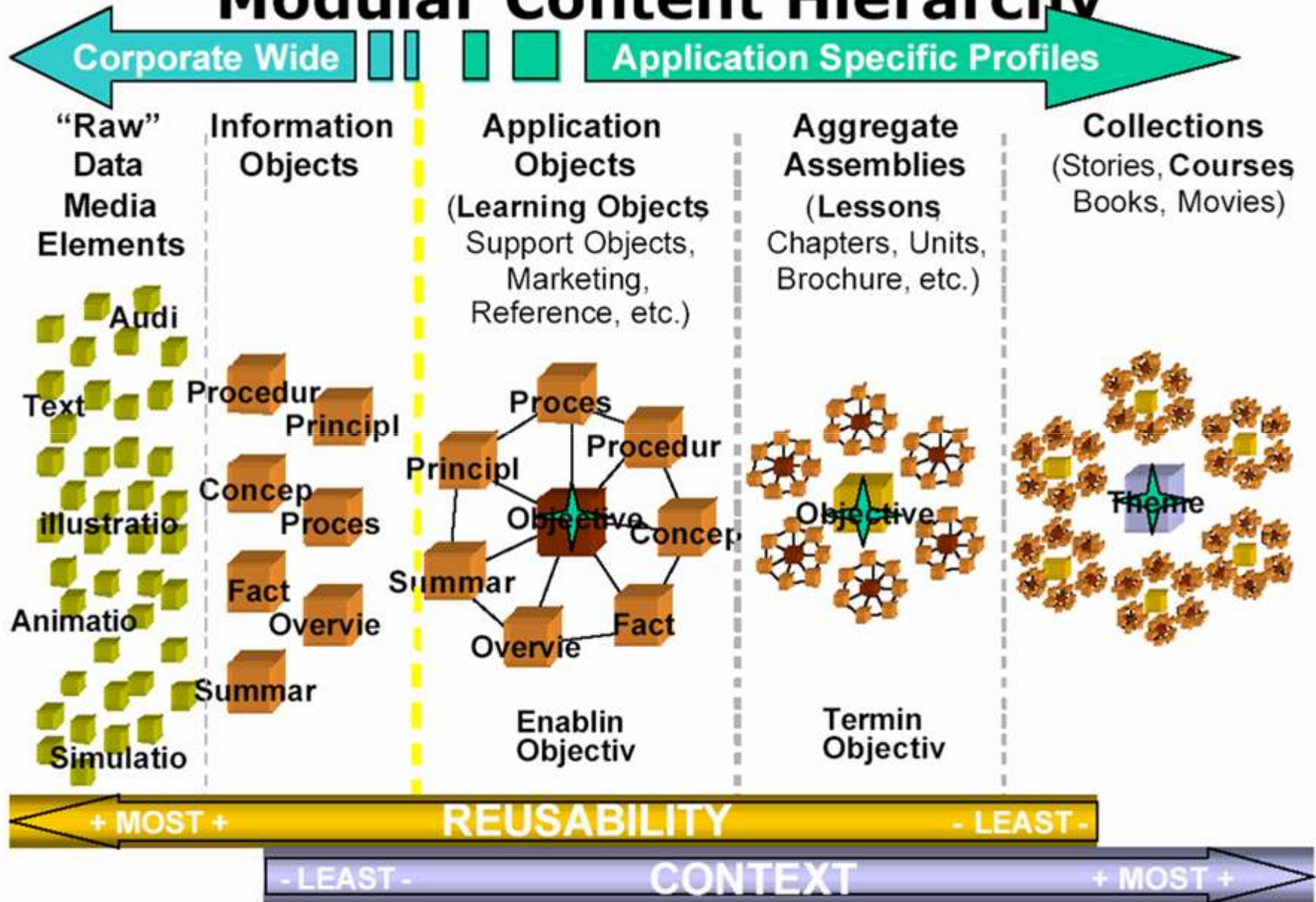
A photograph of a TED talk stage. A large screen in the background displays the text "Linked Data" in white on a blue background. Below the screen, the red "TED" logo is visible. A speaker is standing on the stage, and the audience is seated in the foreground, mostly in shadow.

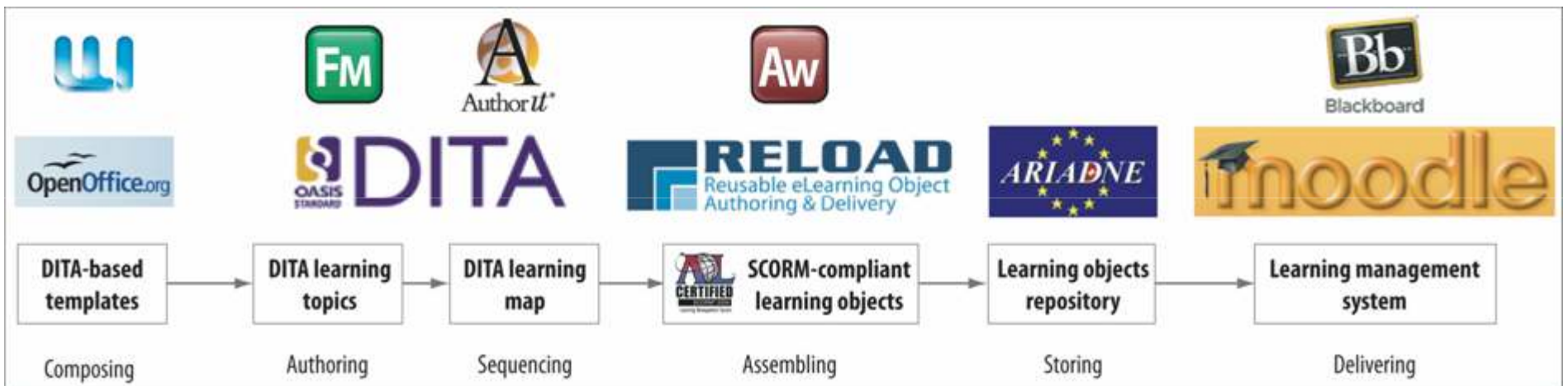
Linked Data

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Just the right **content** to,
Just the right **person**, at
Just the right **time**, on
Just the right **device**, in
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Modular Content Hierarchy





Open educational resources

AgLR-TF

Agricultural Learning Repositories Task Force

Learning Resources for the Development & Welfare of Rural Populations

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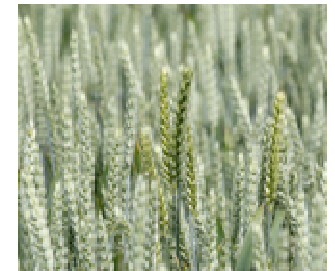
Home

Welcome to the online space of the Agricultural Learning Repositories Task Force (AgLR-TF). This is a community initiative developed under the umbrella of the **Agricultural Information Management Standards (AIMS)** initiative of the **Food and Agriculture Organization of the United Nations**.

The AgLR-TF is an open community where all organizations and individuals that are active in the field of agricultural learning repositories may participate in the promotion and development of a global infrastructure to facilitate sharing and reusing of learning resources on topics related to agricultural and rural development.

Find more about the aims of the AgLR-TF in the Vision section.

Join the AgLR-TF.



The Agricultural Learning Repositories (AgLR 2008) E-Conference has been concluded

The aim of the **AgLR 2008 e-Conference** has been to initiate the dialogue around the topic of **Agricultural Learning Repositories**, involving organizations and individuals that are active in the field of agricultural learning repositories. **AgLR 2008** took place as electronically facilitated discussion. To view the e-mail archive of the discussion, you may **register** as a member of AgLR-TF. A report that summarizes the major ideas and contributions can be **downloaded from here** (in PDF format).

AgLR 2008 has been the first of a series of events that will be supported and promoted by AgLR-TF. For more information about past and scheduled events, please **click here**.

CG Learning Resources

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[Forest genetic resources conservation and management. Vol. 2: In managed natural forests and protected areas \(in situ\)](#) DFSC; Narrative Text; Everybody; 1470kb;



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[Proposals for Small Grants: Elements and criteria](#) Sandra Velarde; Simulation; Everybody; 54kb;



[Millennium Ecosystem Assessment Benchmark Site Vision Exercise](#) Y. Arerut; Exercise; Everybody; 20kb;



[FALLOW \(Forest, Agroforest, Low-value, Landscape, Or Wasteland ?\)](#) Meine van Noordwijk; Narrative Text; Everybody; 1447kb;



[Towards integrated natural resource management in forest margins of the humid tropics game](#) T Atikah; Slides; Everybody; 104kb;



[PROBLEM DEFINITION FOR INTEGRATED NATURAL RESOURCE MANAGEMENT IN FOREST MARGINS OF THE HUMID TROPICS](#) Meine Van Noordwijk; Narrative Text; Everybody; 2482kb;



[Sustainable agro forestry systems for the tropics: concepts and examples](#) Biau T. Kang ; Narrative Text; Everybody; 78kb;



[A Framework for Understanding Deforestation](#) Geist; Table; Everybody; 153kb;



[Forest genetic resources conservation and management. Vol. 3: In plantations and genebanks \(ex situ\)](#) FAO; Narrative Text; Everybody; 962kb;



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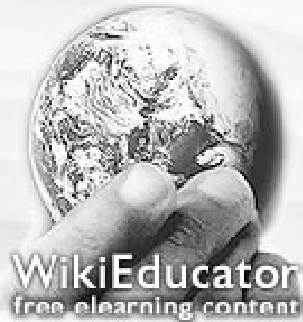
Australia is free from some of the world's major agricultural and aquatic pests and diseases, and is a world leader in animal welfare. This Department of Agriculture, Fisheries and Forestry website provides information on animal welfare, animal health, aquatic animal health, plant health, locusts, emergency response, pests and feral animals.

Source: edna Online

Information: External Site Content

[intute: health and life sciences for agriculture, food and forestry](#)

This site was developed by BIOME, a hub within the Resource Discovery Network, and provides free access to a searchable catalogue of internet sites covering agriculture, food and forestry.



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Maintain a chainsaw

Based on [NZQA 43](#)

This unit standard is designed for professional users of chainsaws in the forestry and other industries. People credited with this unit are able to: demonstrate knowledge of the chainsaw cutting unit; sharpen a chainsaw chain; and maintain a chainsaw power unit.

- [Library of resources](#)
- [Learning activities](#)

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PuMe II -metsäsimulaattori



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PuMe II simulator

PuMe II simulator is developed for forestry studies at university, polytechnic and vocational school level in Finland ([see a report about PuMe users by March 2008](#)). PuMe II contains **forest growth simulator** (pine and spruce), based on PipeQual model developed by University of Helsinki, and **information packages about Finnish forestry** (text, pictures, videos). PuMe is available in **Finnish, English and Russian**.

- [Download PuMe II 2006 simulator \(freeware\) >](#)
- [PuMe user manual \(.pdf\) >](#)
- [Flash presentation of PuMe >](#)
- [PuMe brochure \(.pdf\) >](#)
- [System requirements of PuMe >](#)



[Articles](#)

AJANKOHTAISTA:

PuMe käytössä Erasmus Mundus maisteriohjelman Research methodology -kurssilla (Joensuun yliopisto, maaliskuu 2008, Sanna Härkönen)

Raportti PuMen käyttäjistä maaliskuuhun 2008 mennessä >

PuMen esittely John Deeren simulaattoriopetusseminaarissa (Porin ammattopisto, joulukuu 2007, Petteri Vanninen)

PuMe käytössä metsän mallinnuksen kurssilla Saksassa (Freiburgin yliopisto, joulukuu 2007, Sanna Härkönen)

Maaperän hiiltä kuvaavan Yasso-mallin liittäminen PuMeen käynnissä (elokuu 2007)

PuMe käytössä Cross Border Universityn johdantokurssilla (Joensuun yliopisto, elokuu 2007, Eero Forss)

PuMen esittely World Conference on Educational

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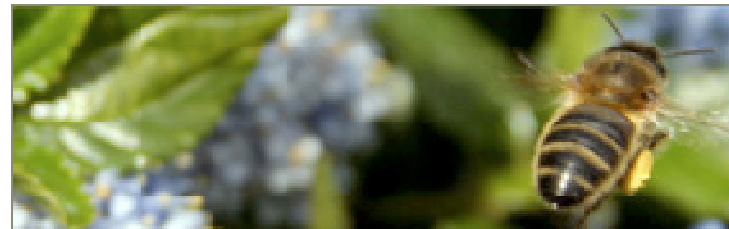
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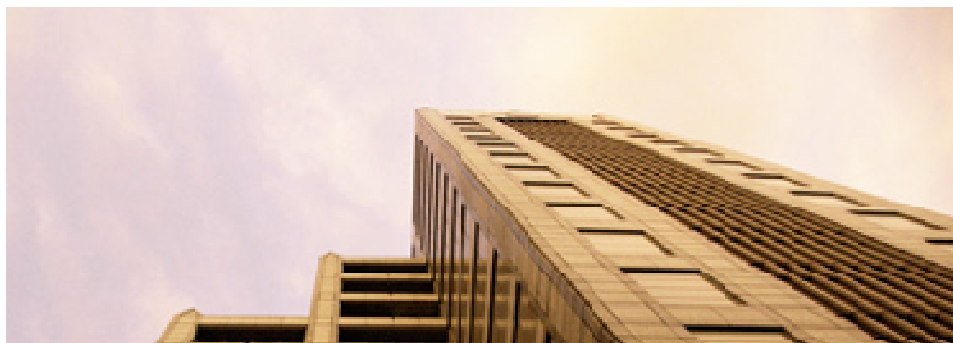


Research and Training Centres/Progs.

International Institute For Software Technology

International Network On Water, Environment And Health

Maastricht Economic And Social Research And Training Centre On Innovation And Technology



Welcome to UNU OpenCourseWare

Advancing knowledge for human security, peace and development

The United Nations University formally joined the OpenCourseWare (OCW) Consortium on 24 May 2006 and became a member of the Japan OCW Consortium on 26 March 2008.

The UN University is committed to the development of this OCW website that showcases the training and educational programmes implemented by the University in a wide range of areas relevant to the work of the United Nations.

GETTING STARTED!

If you're wondering where to start, try the list of research and training centres/programmes on the left of this page, or go to the full [list of courses](#). We've also provided answers to several questions about UNU OpenCourseWare in our [Frequently Asked Questions](#)

Once you've had a chance to look around, we would like hear your [feedback](#).

Other OCW Sites

The number opencoursewar sites across the globe is

The UNU System



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UNU ASSOCIATED INSTITUTIONS

1 Asian Institute of Technology (Bangkok, Thailand)	15 International Institute for Geo-Information Science & Earth Observation (Enschede, The Netherlands)
2 Central Food Technological Research Institute (Mysore, India)	16 National Food Research Institute (Tokyo, Japan)
3 Cornell University (Ithaca, New York, USA)	17 National Institute for Environmental Studies (Tokyo, Japan)
4 Federal University of Mato Grosso (Cuiabá, Brazil)	18 National Institute of Health and Population (Cairo, Egypt)
5 Green Natural Energy Research Institute (Lanzhou, China)	19 Shanghai Institute for Biological Sciences, Chinese Academy of Sciences (Shanghai, China)
6 Global Fire Monitoring Centre, Max Planck Society for the Advancement of Sciences (Freiburg, Germany)	20 National Institute of Public Health (Cuernavaca, Mexico)
7 GRID-Arendal (Arendal, Norway)	21 Tufts University (Boston, Massachusetts, USA)
8 Georgia Institute of Science & Technology (Gwinnett, Republic of Korea)	22 University of Bonn (Bonn, Germany)
9 Institute for Ethics, Governance and Law, Griffith University (Nathan, Queensland, Australia)	23 University of Madras (Chennai, India)
10 Institute of Nutrition, Mahidol University (Bangkok, Thailand)	24 University of Nairobi (Nairobi, Kenya)
11 Institute of Nutrition and Food Technology, University of Chile (Santiago, Chile)	25 University of Ulster (Londonderry, Northern Ireland, UK)

Regional Centers of Excellence





UNeGov.net - Community of Practice for e-Governance



Welcome!

This is the official web site of the [UNeGov.net](#) initiative.

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 09) San Diego -O
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Mission

The mission of [UNeGov.net](#) is to build a Community of Practice interested in developing, sharing and applying concrete solutions for Electronic Governance through research, development and community-wide collaboration, with emphasis on the needs and challenges facing developing countries.

Objectives

- 1 - Advance the practice of Electronic Governance.
- 2 - Focus on seeking solutions to concrete, practical problems.
- 3 - Build consensus on the best practices and advancing the state of the art.
- 4 - Pay particular attention to the challenges facing Developing Countries.
- 5 - Facilitate the sharing of existing knowledge, experiences and resources.
- 6 - Support interactions between practitioners and experts from different areas and affiliations.

Activities

- [P](#) - maintains a semantic [Portal](#)
- [W](#) - organizes network-building [Workshops](#)
- [S](#) - organizes [Schools](#) for public information officers
- [J](#) - initiates and champions research and development [Projects](#)
- [R](#) - coordinates the development of country-specific and thematic [Reports](#)
- [V](#) - facilitates the establishment of a global [Survey](#) on Electronic Governance
- [L](#) - promotes a [Curriculum](#) for Chief Information Officers in [Public Administration](#)
- [C](#) - organizes an annual [Conference](#) on the Theory and Practice of Electronic Governance
- [T](#) - supports the daily [Practice](#) of public information officers through cooperative problem solving
- [O](#) - it carries out [Other](#) kinds of activities to support and promote the Initiative.

In order to join [UNeGov.net](#), please register.

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mail UNeGov.net Coordinator, UNU/IIST, P.O. Box 3058, Macao



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