

European Soil Bureau – Working Group 4

Soil Awareness and Education

MODEL FOR INTEGRATING CLASSROOM BASED EDUCATION AND E-LEARNING

Franc Lobnik, franc.lobnik@bf.uni-lj.si

**University of Ljubljana, Center for Soil and Environmental Science,
Jamnikarjeva 101,
100 Ljubljana, Slovenia**

Our global economy is outgrowing the capacity of the earth to support it. Shrinking forests and eroding soils, falling water tables, collapsing fisheries, expanding deserts, deteriorating rangelands, melting glaciers, more-powerful storms, disappearing species, and soon, shrinking energy supplies are unsustainable trends which have been confirmed by recent international assessments.

Sustainable development should be a fundamental component of all education curricula (primary, secondary, tertiary). To be effective, SD Strategy should not be a one-off linear process ending with a document only. It should be designed as a cyclical, iterative, learning process for all, through discourse between government, the business community and society, enabling continuous improvement of outcomes. To raise attention in society, communication and education are important.

**Learning, Exercise and Test system. Can
be used 7 days in week**

**Break through with U'LET
Think different, think U'LET**

**U'LET is the sound of the future Making
people successful in a changing world**

**On-line Learning, Exercise
and Test system
for
Training in Virtual Environment**



On-line Learning, Exercise and Test system for Training in Virtual Environment

Key Features:

Presentations

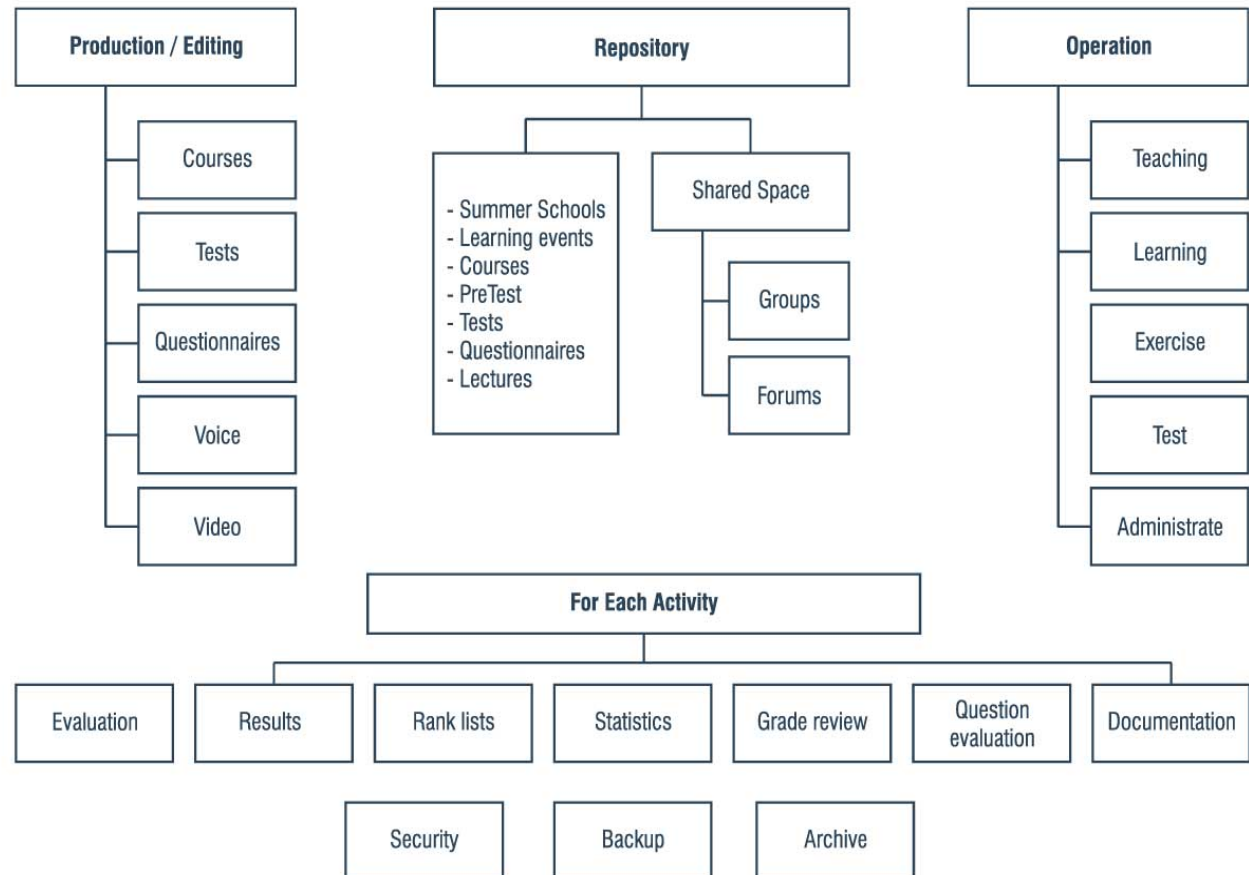
- MS Power Point
- Audio
- Video
- Flash

Additional Resources / Links

- Case Studies
- Literature
- Links

Exam Capability

- Preparing for exam,
- Multiple choice (A,B,C,...),
Text, Picture, Video, Flash,
- Exam evaluation through
criteria,
- Graphical display of results

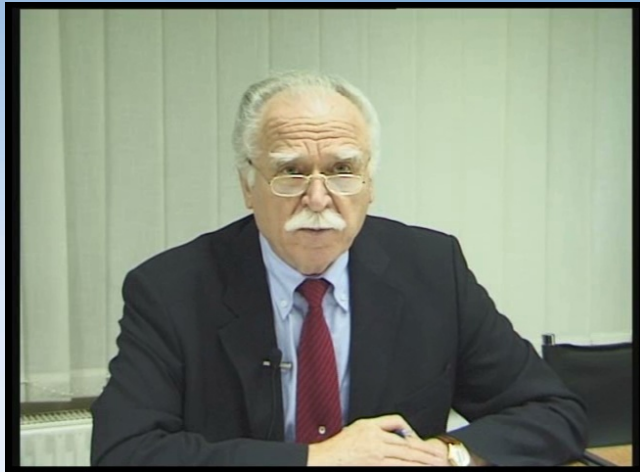


Integrated production of high quality e-learning resources with qualified advisory.

We are presenting integrated university classroom education and e-learning, to give relevant and precise information to everybody, the so called blended learning. Model based on results of Summer school »Environmental and Resource Management«

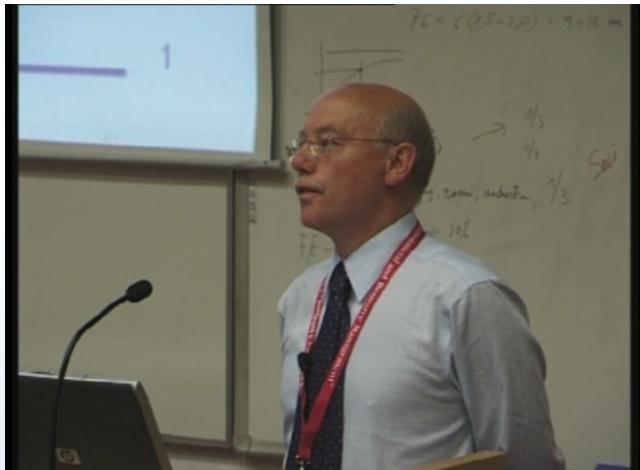
The targets were teachers and students who have used mix media courses technology before and for those who haven't. Such approach gives several possibilities to reach different information face to face, classroom and video recorded lectures, combined with links to literature, case studies and tests via web and student workshops combined with field trips. With authentic software solutions we provided many technical possibilities for integrating e-learning and classroom together www.let-group.com





Dr. Franc Lobnik
**University of Ljubljana, Center for
 Soil and Environmental Science**

Dr. Bjorn Gunnarsson
**Academic Director RES School for
 Renewable Energy Science
 (Iceland)**



Prof. Dr. Mark Kibblewhite
**Land - based Natural Capital: Policy,
 Management and scientific Challenges**
Department of Natural Resources,
Cranfield University

We decided to use IBM Lotus Domino platform to implement most of software supported parts of summer school. With its advanced web site programming, e-mail and calendaring features it proved to be the right tool for realization of this demanding task. We were able to effectively manage registrations and scheduling, and coordinate instructors and resources. The software we developed with the IBM Lotus Domino platform utilized advanced security features through the use of access control lists (ACL). This gave us the possibility of advanced granular role-based security.

An example: administrators had permissions to add or remove users and administer the system, course authors could add course content, and professors were able to see all students' evaluations, while students could only see their own.

Anonymous visitors were allowed only to see limited content like photo-video gallery and general information about summer school. Students and professors were presented with their short CV on the website and were able to edit their own profiles.



Univerza v Ljubljani



Utrecht Network



Home

Introduction

Network Members

Teaching Staff

Students

Programme

Workshops

Test

Fieldtrips

Photo - Video

Forum

Links

Search

Login

International Summer School ENVIRONMENTAL AND RESOURCE MANAGEMENT

Ljubljana, July 9th - July 23rd, 2006

News

[Programme change for the first day](#) (26.06.2006)

Changes of the programme for the first day

[GENERAL INFORMATION](#) (12.06.2006)Target group, Working language and language proficiency, Fees,
Application procedure[Environmental and Resource Management BOOKLET](#) (12.06.2006)We invite you to the Utrecht Network International Summer School
on Environmental and Resource Management which will be held in
Ljubljana from July 9th to July 23th ,2006.

Lectures were divided into two parts. The First was a general lecture, which was video recorded. In second part, students were introduced to case studies; some of them were available in advance via summer school web site links. The purpose of video recording was to make lectures available for workshop preparation and as a good base for future long distance learning. With authentic software solutions we provided many technical possibilities for integrating e-learning and classroom together

Prof. Franc LOBNIK

Natural Environment in Slovenia

*University of Ljubljana, Biotechnical Faculty,
Center for Soil and Environmental Science*

Jamnikarjeva 101, 1000 Ljubljana, Slovenia

Tel.; + 386 41 663 713, Fax.; + 386 1 423 33 67

franc.lobnik@bf.uni-lj.si,

http://www.bf.uni-lj.si

1

ABOUT

CONTENT

LITERATURE

LINKS



International Summer School
ENVIRONMENTAL AND RESOURCE MANAGEMENT

Ljubljana, July 9th – July 23rd, 2006



Utrecht Network



Playing: 212 K bits/second

00:02



56k / 100k / 250k

ORGANIZERS:

Univerza v Ljubljani



Utrecht Network



PARTNERS:

Cranfield
UNIVERSITY



CEPRS



SPONSORS:

Sava

KRIKA

© let-group.com



100k/ 250k /0,5Mb

ORGANIZERS:

Univerza v Ljubljani



Utrecht Network



PARTNERS:

Cranfield
UNIVERSITY



CEPRS



SPONSORS:

Sava®

© let-group.com

Frameworks of action

-division of responsibilities-

- **European Union**
- National
- Regional
- **Local** – Is land a local matter?

Interconnection -> Need for strong strategies at an EU level ->
Principles that recognize what should be either locally, either EU driven.

1

ABOUT

CONTENT



International Summer School
ENVIRONMENTAL AND RESOURCE MANAGEMENT
Ljubljana, July 8th – July 22nd, 2007



Final goal was online testing. We decided that prerequisite for credits should be an on-line testing system. Their activities were evaluated via workshop results (50%), field work, including two excursions (10%), and on-line testing (40%). Authentic on-line solution gave students pre-testing possibilities and a final test for an immediate result for students and professors. As we mentioned before, this could be a good base for future development of integrating e-learning and classroom joint system.



Next model is Bridging the Gap Conference

Video presentation was organized by Slovenian Environment Protection Council (CEPRS) together with LET-GROUP and ARSO. Conference topics are available on line through the web site as a video and Power Point presentations. The aim is to raise public interests and awareness.

Bridging the Gap 2008

Reflections

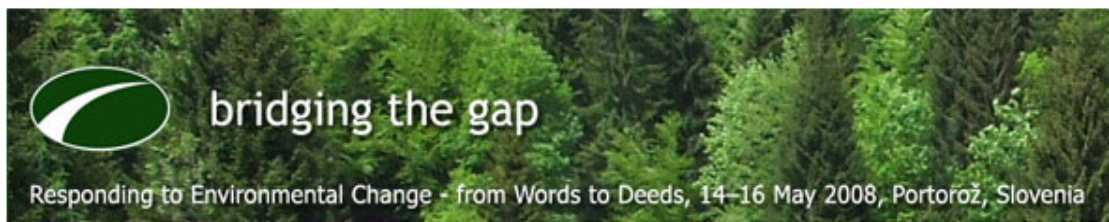


European Environment Agency

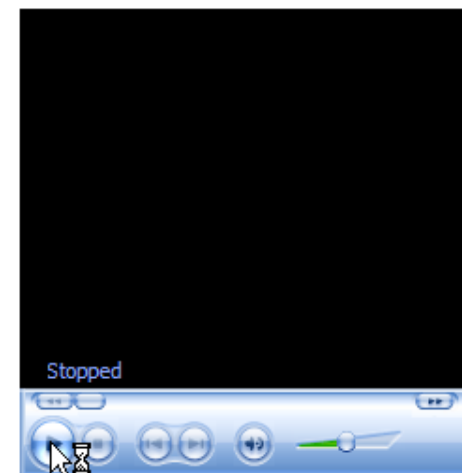


ABOUT

CONTENT



Responding to Environmental Change - from Words to Deeds, 14-16 May 2008, Portorož, Slovenia



100k / 250k / 0,5Mb



European Environment Agency



Slovenian Presidency of the EU 2008

© let-group.com/Editor: Franc Lobnik



bridging the gap

Responding to Environmental Change - from Words to Deeds, 14-16 May 2008, Portorož, Slovenia

[Bridging the Gap Home](#)

(Video presentations , works only in Internet Explorer) Here you can download Internet Explorer 

Opening ceremony	14. May 2008
Welcome: Silvo ŽLEBIR , Replaced by Tomaž POGAČAR , Deputy Director general of the Environmental Agency of the Republic of Slovenia,	 
Opening speeches:	
Janez PODOBNIK , Slovenian Minister of the Environment and Spatial Planning	 
Zoran STANČIČ , Deputy Director General, DG Research	 
Timo MAKELA , Director for Sustainable Development, DG Environment	 
Mary KELLY , Director general of the EPA Ireland	 

Conclusions

- The aim was to raise students and general interests for modern educational approach through summer school web, with several possibilities in reaching different information, important for summer school and other groups of interest.
- This was the reason that group of U'LET decided to take a step forward, making some innovations in on-line learning and training system which includes on-line testing and video presentations combined with power points slides.

Conclusions

-Key features of such model are: presentations which include (MS Power Point, Audio, Video, Flash, html), additional resources / links (Content, Case studies, Literature, Further readings, Links), exam capabilities (Preparing to exam, Multiple choice [A, B, C, ...], text, picture, Video, Flash, exam evaluation through criteria, numerical and graphical display of results

www.let-group.com