



UNITED NATIONS UNIVERSITY

Institute for Environment & Human Security (UNU-EHS) Bonn, Germany

Knowledge Management Tools Needs and Practice: Experience from UNU-EHS WISER Knowledge Management Workshop

16 - 17 October 2016, UNECA - Addis Ababa

Dr. Erick G. Tambo Associate Academic Officer

EduSphere

Higher Education & Capacity Development



Topic and Outline



ICT supported methods and tools for capacity building, management and sharing of information, communication and dissemination of research findings, etc.

- Introduction of UNU
- KM Practice / Tools and Needs
 - Practice / Tools
 - eCourses eLearning for Capacity Building
 - Learning Management Systems for eLearning and Project Management
 - Online Meeting Tools for Webinar, Web Meeting, Virtual Lectures, etc.
 - Online Community of Practice (CoP) Platform
 - Lecture Recording Systems
 - > Needs
 - Localized and Smart Data
- KM Partnership
 - WASCAL
 - > PAUWES



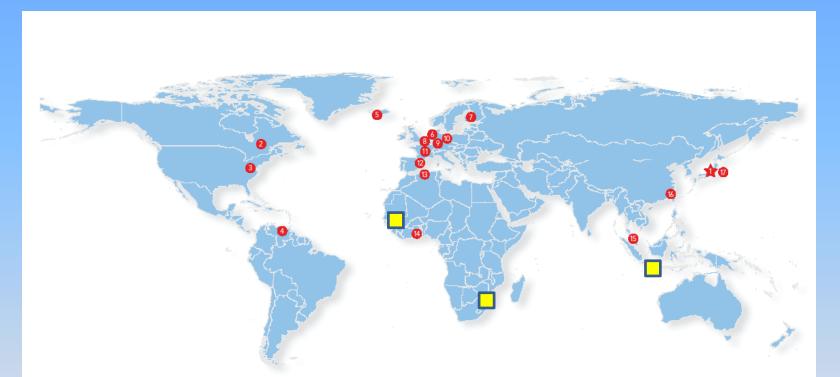
Established by the UN General Assembly in **1973 the United Nations University** (UNU) represents the academic arm of the United Nations system implementing research and educational programmes in the area of sustainable development, **with the particular aim of assisting developing countries**.



Fostering Policy Dialogue & Education at high-level conferences

UNU Campus Worldwide 14 institutions in 12 countries



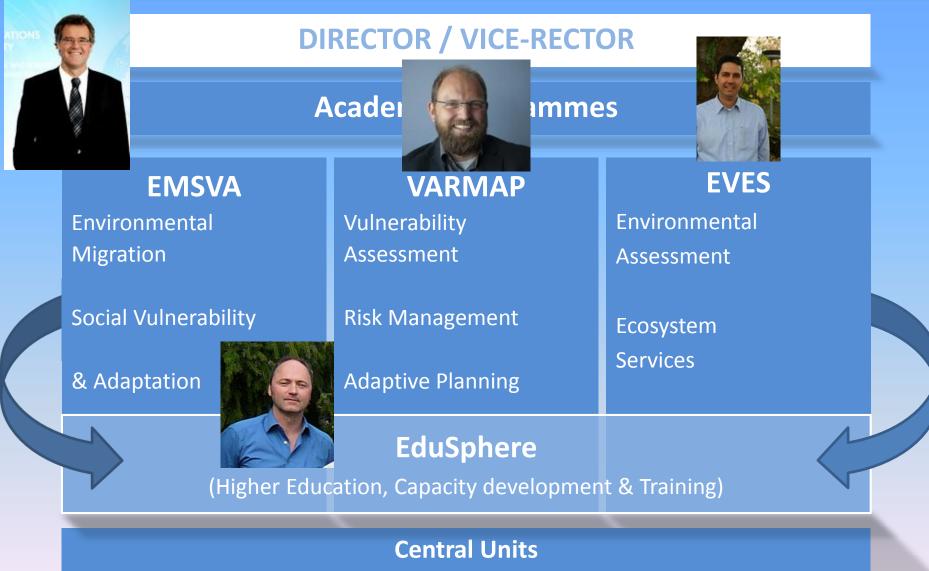


- 1 UNU-Centre ★
- 2 UNU-INWEH (Water)
- 3 UNU-ONY (Liaison)
- 4 UNU-BIOLAC (Biotechnology)
- 5 UNU-FTP, UNU-GTP, UNU-LRT (Fisheries, Geothermal Research, Land Restoration)
- 6 UNU-MERIT (Innovation & Technology)
- 7 UNU-WIDER (Development Economics)
- 8 UNU-CRIS (Regional Integration)
- 9 UNU-EHS (Human Security)/ ViE (Vice Rectorate in Europe)
- 10 UNU-FLORES (Integrated Material Fluxes)
- 11 Office at UNESCO (Liaison)

- 12 UNU-GCM (Culture and Mobility)
- 13 UNU-IRADDA (Sustainability in Africa)
- 14 UNU-INRA (Natural Resources)
- 15 UNU-IIGH (Health)
- 16 UNU-CS (Computing and Society)
- 17 UNU-IAS (Advanced Studies)

Organisation of UNU-EHS, Bonn





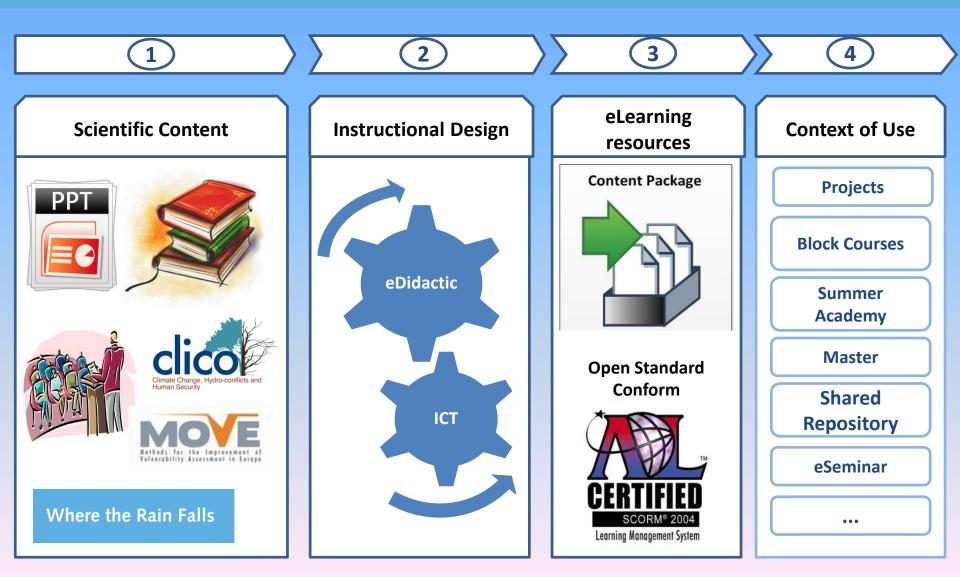
(Administration / Finance / Executive Office / ICT and Communication)

Design and Development of eLearning Resources/Courses



UNU-EHS

and Human Security

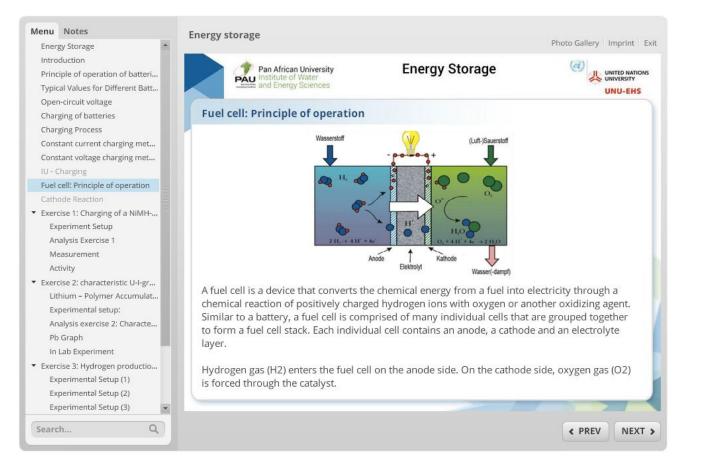


Design and Development of eLearning Resources/Courses



UNU-EHS

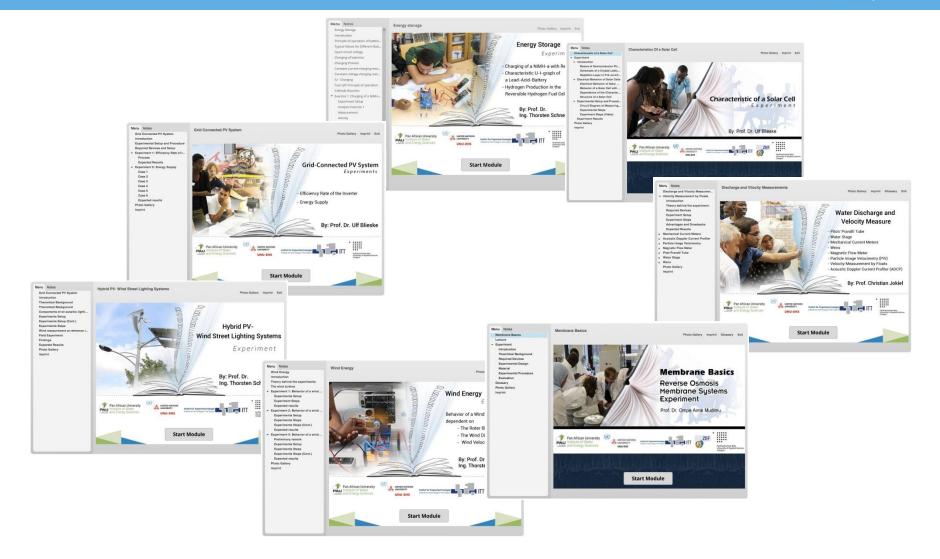
Example Content...



Design and Development of eLearning Resources/Courses

UNU-EHS

Institute for Environment and Human Security



Digital environment for online activities



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Welcoming and introduction to the TWIN-SEA project	People Participants Navigation	August a subscription of the subscription	-You are logged in as Admin User (Logour)
Introductor Discussion Form	Home My home Site pages My profile Current course Climate and Societal Change in Indonesia and South	Nome Courses Publications UND-EHS Thome My courses > Projects > TWR-SEA > Climate and Societal Change in Indonesia and South	Search forums Navigation
Shared folder	Participants Reports	Move this discussion to	Settings
UNU-EHS strategic researches, TWIN-SEA and other relevant research activities in natural hazards and risk in SEA-region PPT Presentation by Jakob Rhyner	 Working Group I: Coastal management, ecosystem set 	Field site selection by Fatorice Renaud - Viorday, 4 August 2014, 10.27 AM	 Edit settings Locally assigned roles Permissions Check permissions
LIPHCIAR medium-term strategies, core research topics, and contribution to expert network building in SEA-region	 Working Group II: Socio- economic vulnerability and 	Dear All, Soon we will have to decide which field sites we need to select for on-the-ground activities. As several groups are working on this it would be a good idea to brainstorm on the issue in the next days.	Eilters Logs
 Presentation by Diaz D. Santika Statements and overarching questions for the workshop 	 Working Group III: Role of educational activities Summary and results 	In order to align ourselves with WG2, it will probably be important to select Jakarta - then we need to decide what scale of work we do in Jakarta.	Backup Restore Subscription mode Subscribe to this forum
September 2015 Presentation by Matthias Garschagen	 Field visit - Photo gallery Interviews 	All the best	Show/edit current subscribers Course administration
Den all V Close all	My courses	Fabrice	Switch role to
	Settings	Edit Delete Reply	 My profile settings Site administration
Working Group I: Coastal management, ecosystem services and low-regret adaptation	Course administration Turn editing on Edit settings		Search

- Virtual space with content (lectures, interview, pictures) from workshops
- Tools to support interaction, communication and collaborative work

Online Meeting Tools



Institute for Environment and Human Security

Live Communication: Webinars, Web Meeting, virtual lectures/seminars, Online Courses



Online Meeting Tools: Webinars



UNU-EHS

Webinars, virtual lectures/seminars, **Online Courses**



PAUWES-UNU WEBINAR SERIES 2016



WATER TRACK

"WATER SECURITY AND ITS LINK TO THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT" FEBRUARY 17TH, 2016 @3PM CET **REGISTER ON WWW.PAUWES-COP.NET AND JOIN OUR WEBINAR**



OUR GUEST LECTURER ABOUT OUR GUEST:

Zafar Adeel (originally from Pakistan) is the current Director of UNU-INWEH. He al served as the Chair of UN-Water in 2010 and 2011; a group that coordinates wate related work in 31 United Nations organizations and a number of international wat organizations. He has experience in a range of water and environmental issue including monitoring and control of water pollution, water management in dry area solutions to industrial environmental problems, modeling of environmental system and environmental policy formulation.

ABOUT THE WEBINAR:

This webinar will present the main goals and mega trends the Agenda 2030 suggests global water security. Our speaker will especially deal with the policy, financial practical challenges that have to be faced on the way to implement SDG number 6, is to "ensure availability and sustainable management of water and sanitation for all





Dr. Zafar Adeel

(UNU-INWEH).

Director of the United Nations

University Institute for Water,

Environment and Health





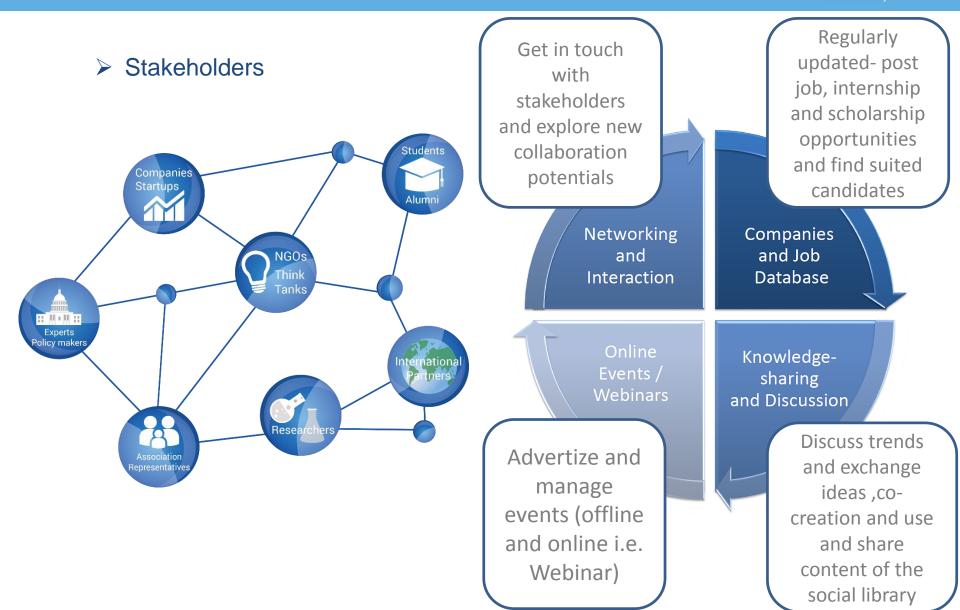




PAUWES Online CoP on Water, Energy and Climate Change in Africa



UNU-EHS Institute for Environment and Human Security



PAUWES Online Community of Practice Platform



Institute for Environment and Human Security

Profile Management: experts, companies, NGOs, private actors, intergovernmental organizations, etc.

Events Management

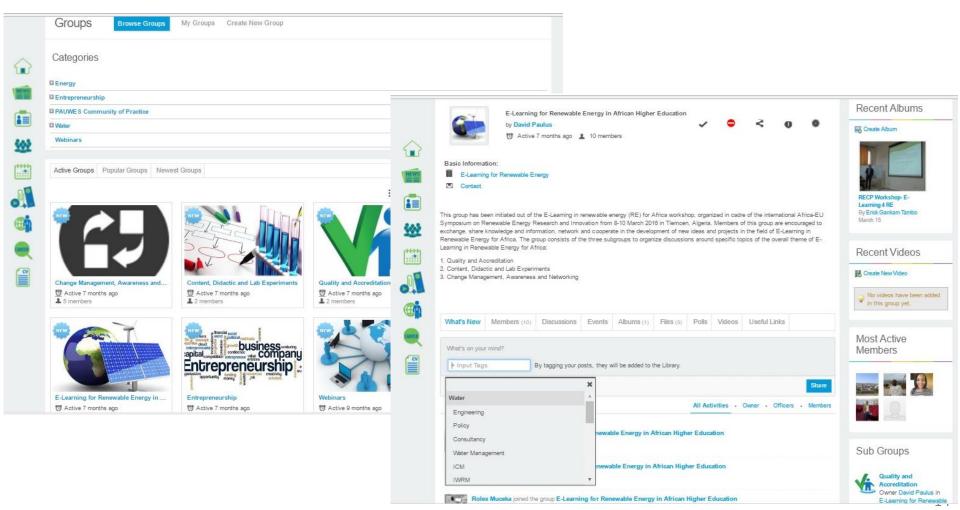
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		Location Geben Sie einen St	Mater Engineering and Develop 0.0 13 JUN Jay 11, 2010 1200 AM hosts ty NNDST. Kumasi, Ghana Ensuring Availability and Sustainable Management 13 JUN	Communication Training for CoP 0.0 June 13.2018 6:00 AM host by Mohammed MOHAMMEDI During 1,5 – 2 hours, the following content will be	Geben Sie einen 5 Radius (mile)
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	Lena Passelewitz Groups: PAUWE's Community of Practice and 11 others	• City	May 25 2019 12:00 AM hostby Learne Schoelen The aim of this conference is to promote environmentally safe and economically sustainable renewable.	host by David Paulus	
Add Contact	Add Contact Ogeohi Nwadiaru is a mutual friend and 7 others	Show more search fields	17 MAY African Utility Week & Clean Po 00 15 15 MAY May 17, 2016 1200 AM by Leonis Schoelen Exchibition - 250 exchibitors on 12 000som This	WISA Biennal Conference 2016 0.0 May 15, 2016 12:00 AM hostby Water Institute of Southern Africa The theme will be supported by the following sub-	Search
	Jean Marie Pascal KWISANGA		market leading trade exhibition is the first port of	themes: Community Water Supply and Sanitation E	Tags
-	P Studied at Pan African university of Water and Energy sciences Q Lives in Groups PAUWE'S Community of Practice and 8 others	People You May Know	27 APR SDG Global Day 0.0★ 21 APR April 27, 2016 12:00 AM host by Marrin Jugerbal The Geek Club Tiences and PAUWES CoP to collaborate on their next event, an information day	19th International Water Technol 0.0 ★ April 21, 2016 12:00 AM host by International Water Technology Association After seventeen years of success, the Conference now aims at collecting all the multidisciplinary ex	renewable energies (5) water (1 energy (4) South Africa (2) clin change (2) pauwes (2) green g (2) University of Tiemcen (1) E

PAUWES Online Community of Practice Platform

UNITED NATIONS UNIVERSITY UNU-EHS Institute for Environment

Groups (public and private)

Discussions, File sharing, Events planning and management, Poll, Members overview, Etc.



PAUWES Online Community of Practice Platform



Social Library: participative approach, multimedia content (print, audio, video, etc.), management of content (search, tags, etc.),

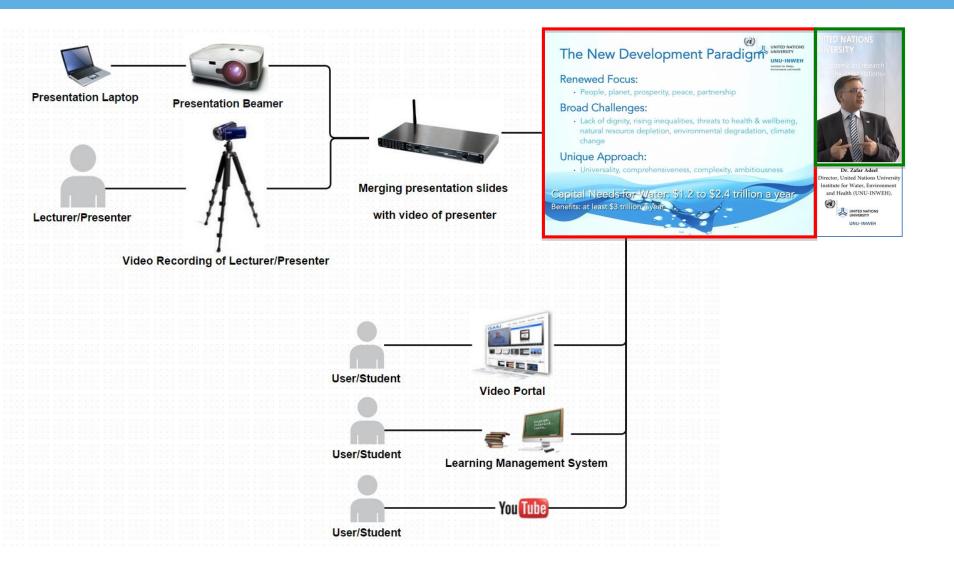
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				Career day interview - Eva and Lucas		
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				Eva Kimonye The watar engineering and policy class career day session with Hugo Lucas Tags: Engineering and Policy		
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Lecture Capturing Systems



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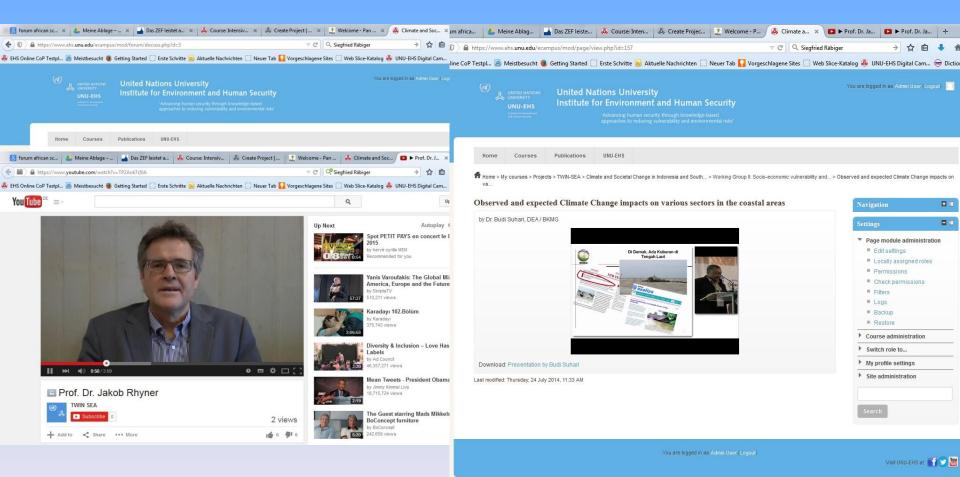
Educational resources for offline purposes



Educational DVD with content (lectures, interview, pictures) from the workshop in Indonesia

Recorded lectures and videos



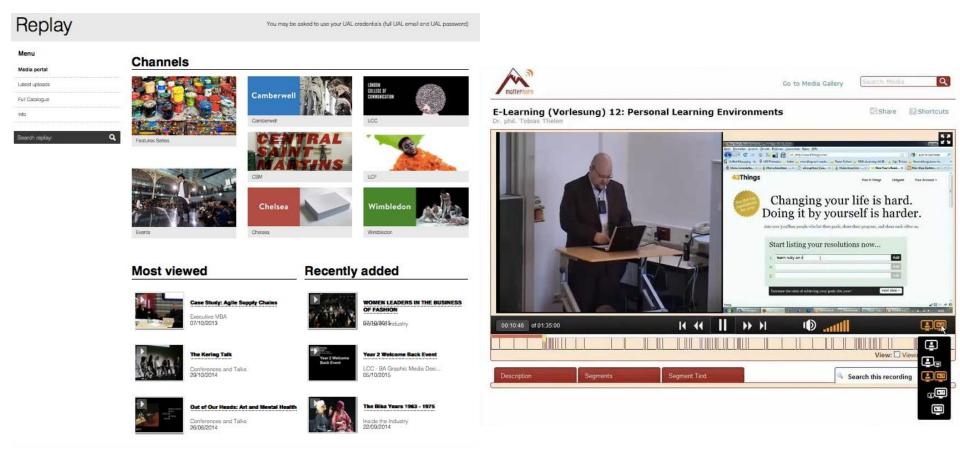


•social media channel (youtube) •Virtual space of the project

Lecture Capturing Systems - Media Portal



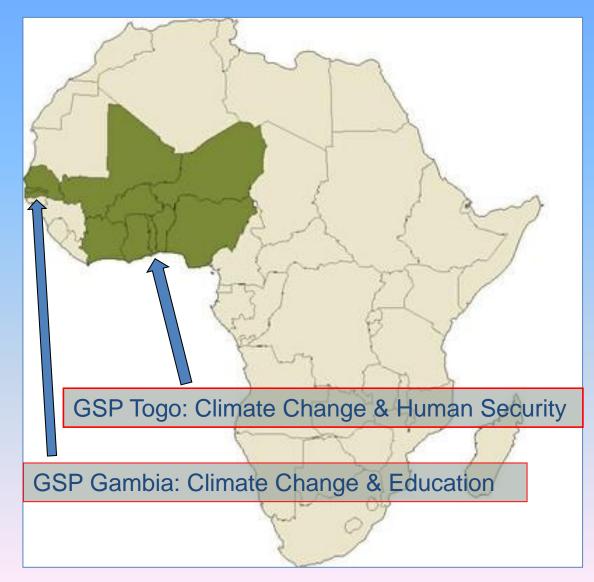
- Videos are stored locally and can therefore be accessed without internet connection when the user is inside the campus intranet
- > The portal stores videos of: lectures, presentations, conferences etc.
- Content is searchable by free-text and by categories



West African Science Service Center on Climate Change and Adapted Land Use (WASCAL)

UNITED NATIONS

Funded by the Federal Ministry of Education and Research (BMBF)



Maior components of WASCAL:

. Competence Center

1

- 2. Core Research Program
- 3. Graduate Studies Program

The Graduate Studies Program, involving the creation of ten graduate schools in West Africa, will contribute to the education of the next generation of African scientists and policy makers in the field of climate change and land management.

Hazard monitoring service development



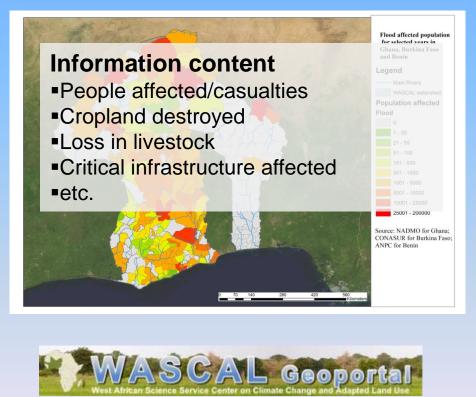
WASCAL regional service:

- Storing national hazard event data
 Accessing regional hazard event data
 Harmonized data collection (add new variables)
- Enable trans-national collaboration



Perspective

 Addressing DRM agencies of all WASCAL member states



Disaster risk management (DRM) agencies:

Provision of hazard event data for risk assessment research

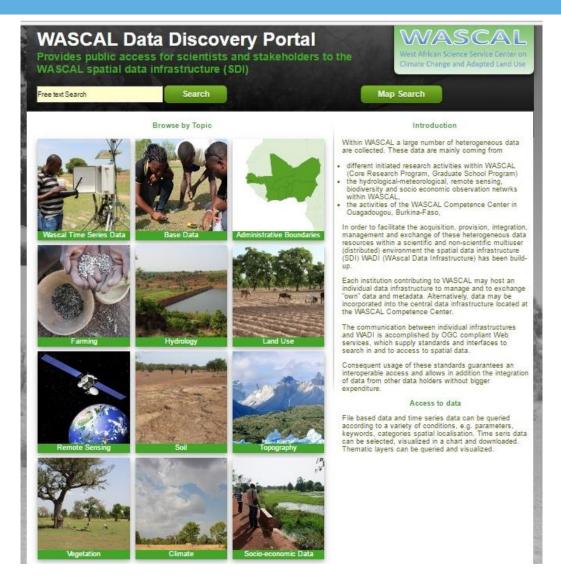
WASCAL Data Discovery Portal

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Topics

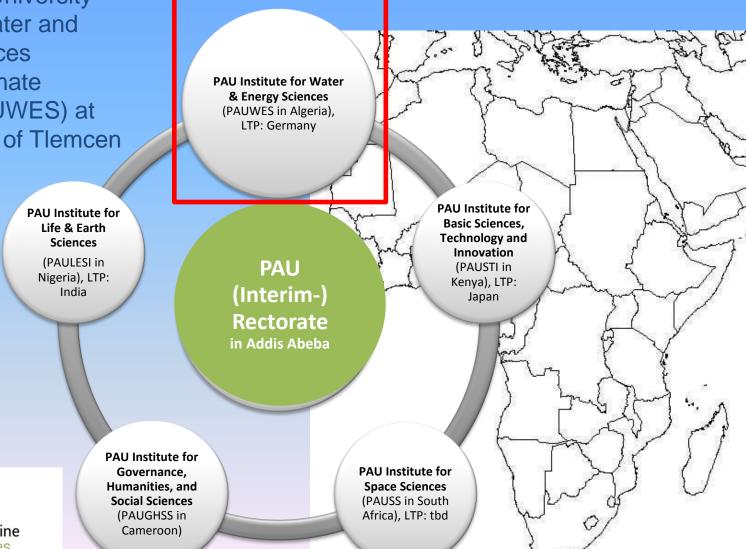
- Remote Sensing
- Climate
- Time Series Data
- Socio/economic Data
- ➤ Farming
- Vegetation
- Land Use
- Hydrology
- Vegetation
- Soil
- Topography



PAU Institutes, Host Countries and LTPs

Pan African University Institute of Water and Energy Sciences (including Climate Change) (PAUWES) at the University of Tlemcen in Algeria





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PAUWES Reseach Agenda



Research Questions

Uptake of data and information

- How to collect, manage and share data with regards to energy, water and climate change nexus (localized data, smart data, Internet of Thing, Mobile Data, data and knowledge management platform, etc.)
- What are the socio/economic benefits of data
- What level of certainty of data?
- Risk analysis related to data
- \succ Etc.



Federal Ministry of Education and Research



For further information





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"Education is the most powerful weapon which you can use to change the world." Nelson Mandela