n|w University of Applied Sciences and Arts
Northwestern Switzerland

Research for International Cooperation

ICT supported Knowledge Management and Competence Development in a global context.
You can download this presentation and detailed descriptions here**:**
http://www.christoph.pimmer.info/?p=1704

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Our Motivation: Gaining new insights into collaboration and learning in an international context …

- **Using ICT …** (mobile devices, social media, KM tools)

- **in learning, co-operation and schools …**

- **to support Human Development …** (Health, Education, Engineering)

Slide 1

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We share our findings with practitioners and policy makers:

- **World Summit on the Information Society**, ILO, Geneva, 2012
- **UN-GETHealth Summit**, United Nations, New York, 2013
- **UNESCO Mobile Learning Week**, UNESCO Headquarters Paris, 2014
- **4th Congress on Research in Vocational Training,** Berne 2015
- **UNESCO Mobile Learning Week**, UNESCO Headquarters Paris, 2016

Slide 2

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Challenges we would like to tackle with YOU

1. Social and networked media and Global Health
Web 2.0 knowledge facilitation for health workers in rural Africa

2. Global KM-Networks in Cooperation & Development
Expanding a global knowledge network of development professionals of the Swiss Development Agency

2. Mobiles at the Workplace
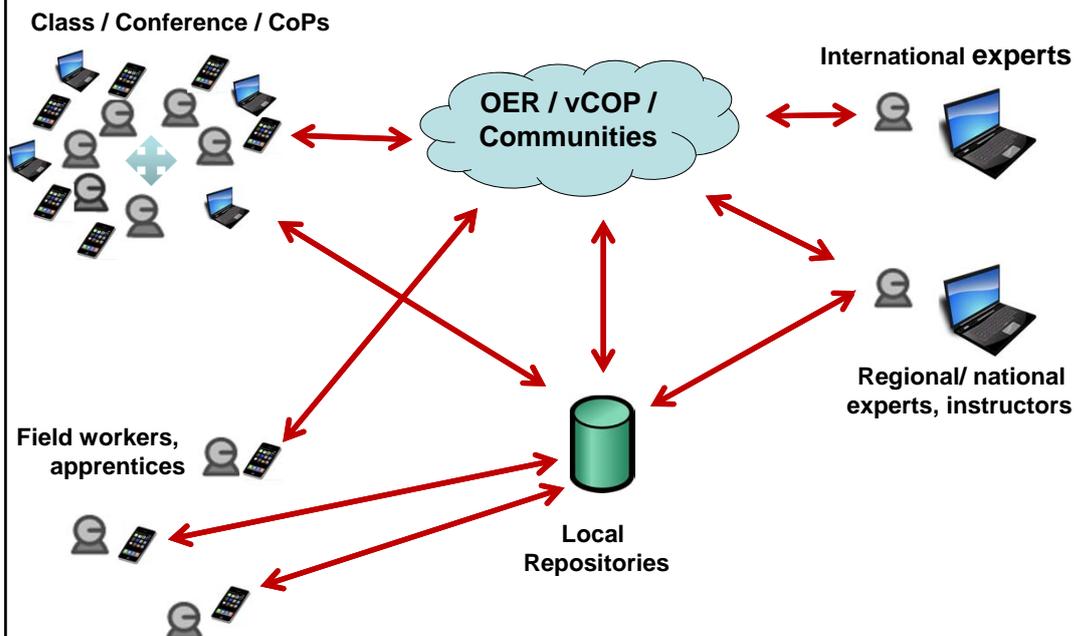Coaching Apprentices of a Technical College in Zimbabwe

3. Mobiles in Education and Community
Using TabletPCs to access excellent educational software and Open Educational Ressources (OER) in rural schools

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Typical Questions to investigate …

1. How can **apprentices/workers exchange work-related know-how in multimedia artefacts on mobile devices** to improve **self-reflexion** and **learning**? (Technical Collage in Zimbabwe, SDC, Teacher training in India/Tanzania)

2. How can **ICT-supported Coaching and Training** improve learning outcomes and problem solving of apprentices during placements in rural areas? (Zimbabwe)

3. How can practitioners and expert from different disciplines share and apply innovations in a multi-national **online network** with limited internet connection?

4. How can a **tabletPCs** be broadly deployed in an African country in **schools**? (design of the solution, implementation principles and management)

5. How can the use of TabletPCs enable **access open educational resources (OER) improve self-directed learning** and pass-rates in remote areas? (Community Learning Center, Kathmandu / Mpumelelo School, Zimbabwe)

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Class / Conference / CoPs

International experts

OER / vCOP / Communities

Field workers, apprentices

Regional/ national experts, instructors

Local Repositories

Typical methods and tools – challenges and benefits

Methods: Design-based research, multiple case-studies, experiments etc.

Technologies: smartphones & social software, tablets, multimedia apps, OER etc.

Theory/Concepts: Activity Systems, Boundary Crossing, situated learning, Web 2.0 in enterprises, Socio-cognitive theory

Challenges

- Communication and connectivity, time constraints, little resources of NGOs
- Specification of DBR-scenarios with added value combining findings from ICT, KM and pedagogy

Benefits

- Close collaboration with highly motivated and experienced practitioners and a small research team,
- Unique chance to publish and **to make a difference!**

**Are you interested in contributing to one of our projects?
Do you have your own ideas in this field?**

Contact us!

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Related publications

- Pimmer, C., Linxen, S., & Gröhbiel, U. (2012). Facebook as a learning tool? A case study on the appropriation of social network sites along with mobile phones in developing countries. British Journal of Educational Technology, 43(5), 726-738

- Brysiewicz, P., Pimmer, C., Gröhbiel, U., Walters, F., Linxen, S., & Chipps, J. (2013). The neglected grass root adoption of mobile phones as learning tools in resource-limited settings. A study from advanced midwifery education in KwaZulu-Natal, South Africa. Paper presented at the South African Association of Health Educationalists, Durban, South Africa.

- Pimmer, C., Linxen, S., Gröhbiel, U., Jha, A., & Burg, G. (2012). Mobile learning in resource-constrained environments. A case study of medical education. DOI:10.3109/0142159X.2012.733454. Medical Teacher.

- Linxen, S., & Pimmer, C. (2011). The transformational role of social mobile media on education and learning in developing countries. Paper presented at the International Roundtable on Social mobile networking for informal learning, London.