Smart Indicators on Learning Interactions

Christian Glahn, Marcus Specht, and Rob Koper
Open University of the Netherlands

christian.glahn@ou.nl

EC-TEL2007 – Crete 20.09.2007



The Challenge

How to utilize interaction footprints for learner support in unstructured or emerging environments?



Learners need support during their learning process

Learning changes throughout

... and the learner support has to change, too! with rasks and frocesses



with the context



Context Sensitive Learner Support

Model Tasks

Analyze Attention

Recommend Content or Activities

Educational Templates

Relate to Ontologies



Context Sensitive Learner Support in Unstructured and Emerging Environments

Moge Tasks

Analyze Attention

Recommend Content or Activities

Educational Templates

Relate le Ontologies



Our Approach

Highlight and unveil effort, interest, and competences by providing indicators on the learning process to the learner



Indicators Systems

... inform

- Status
- Past activities
- Events

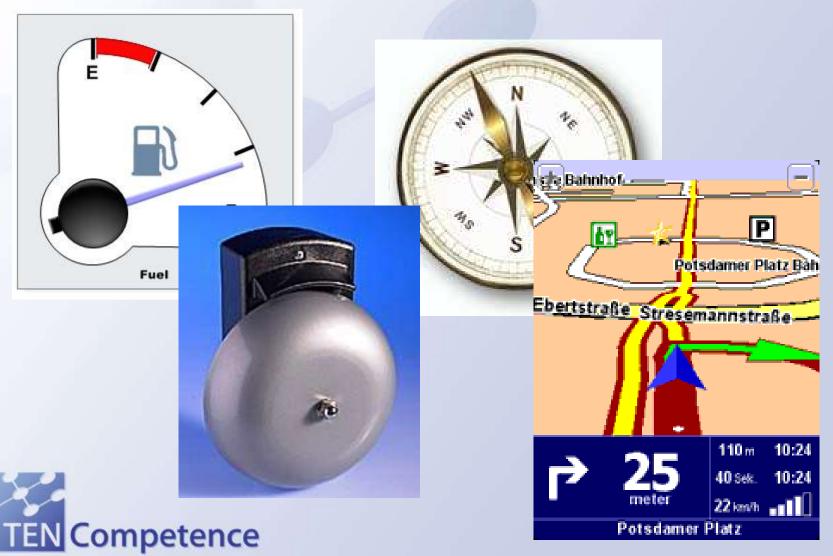
... help

- Orientate,
- Organize
- Navigate

without recommending specific actions



Sample Indicators



Indicators for Learner Support?

- Raise awareness about group activities
- Engage and motivate to participate
- Support reflection on the learning process
- Identify hidden competences and interests

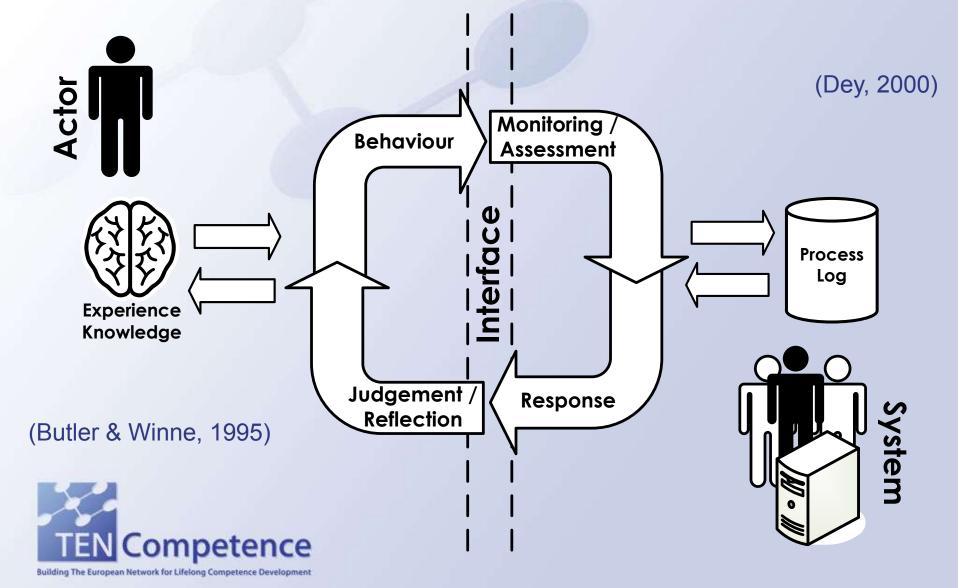


Our mind lives in the future Our body lives in real-time

Our history drives our actions, tactics, and strategies for moving the body towards the mind



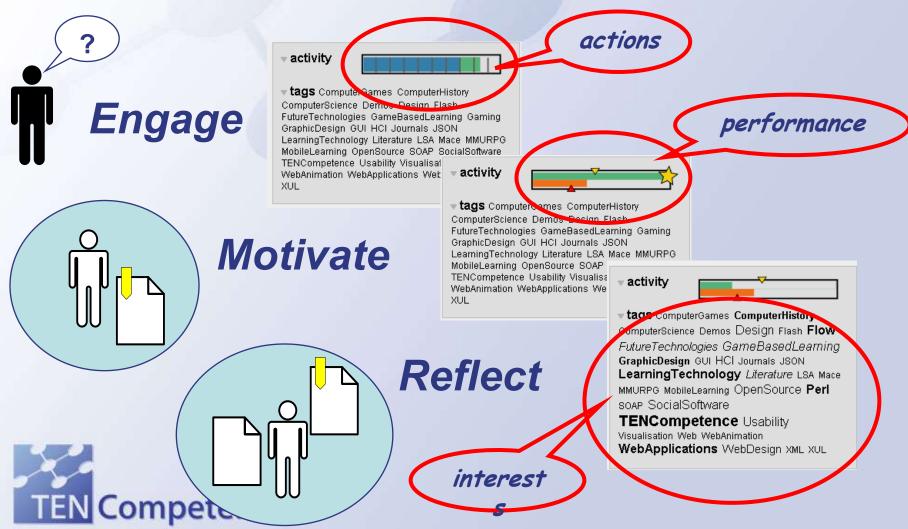
Meta-Model for Smart Indicators



One size never fits them all

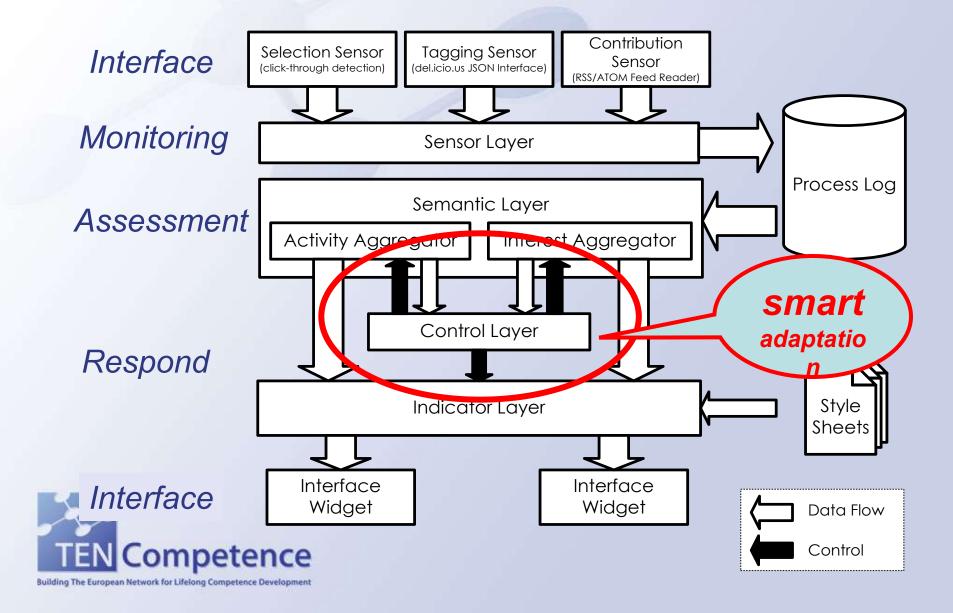


Smart Adaptation for Informal Learning



Building The European Network for Lifelong Competence Development

Framework Architecture



Smart Adaptation



Conclusion

Learning changes throughout life

... and the learner support has to change, too!

Indicators provide landmarks to navigate the learning process

... but they have to be in sight of the learners



Thank you for your attention

Christian Glahn christian.glahn@ou.nl



