3D Problem Based Blended Learning

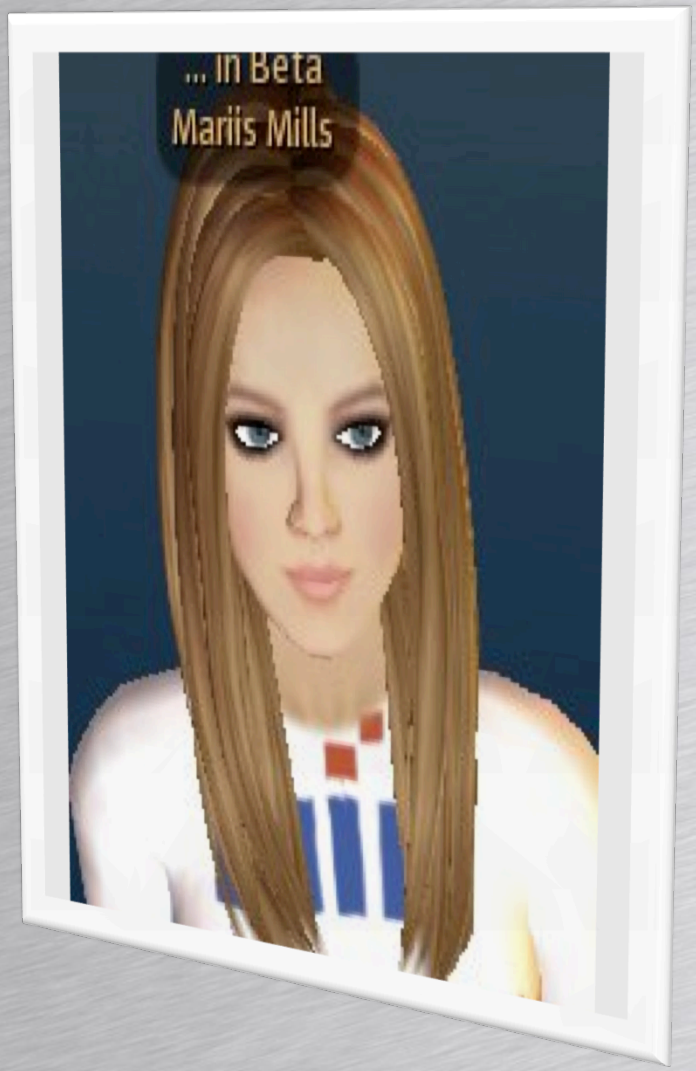
- *remediating People, Places and Practices*

Marianne Riis, Aalborg University

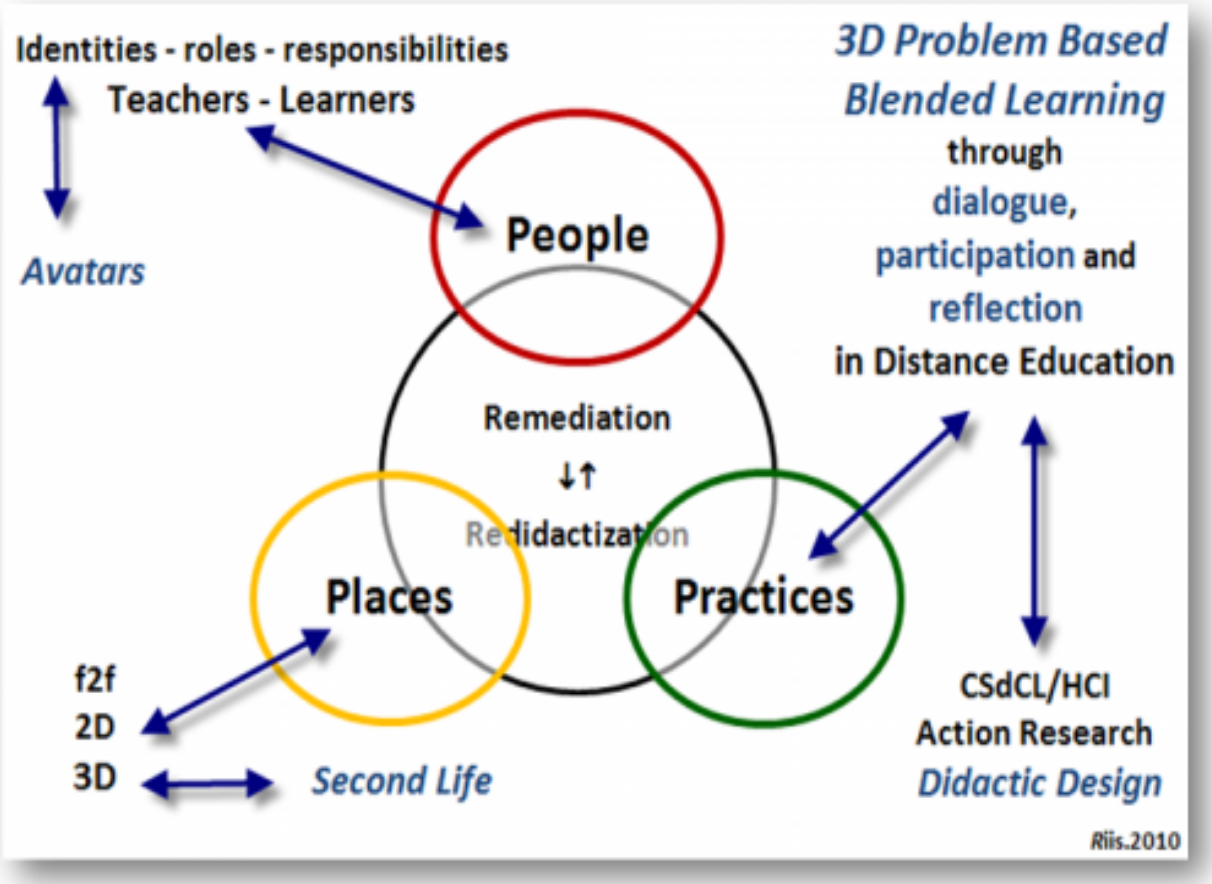
BCNM/CITRIS - New Media Research Roundtable, UCB – April 15th 2010

Marianne Riis/Mariis Mills

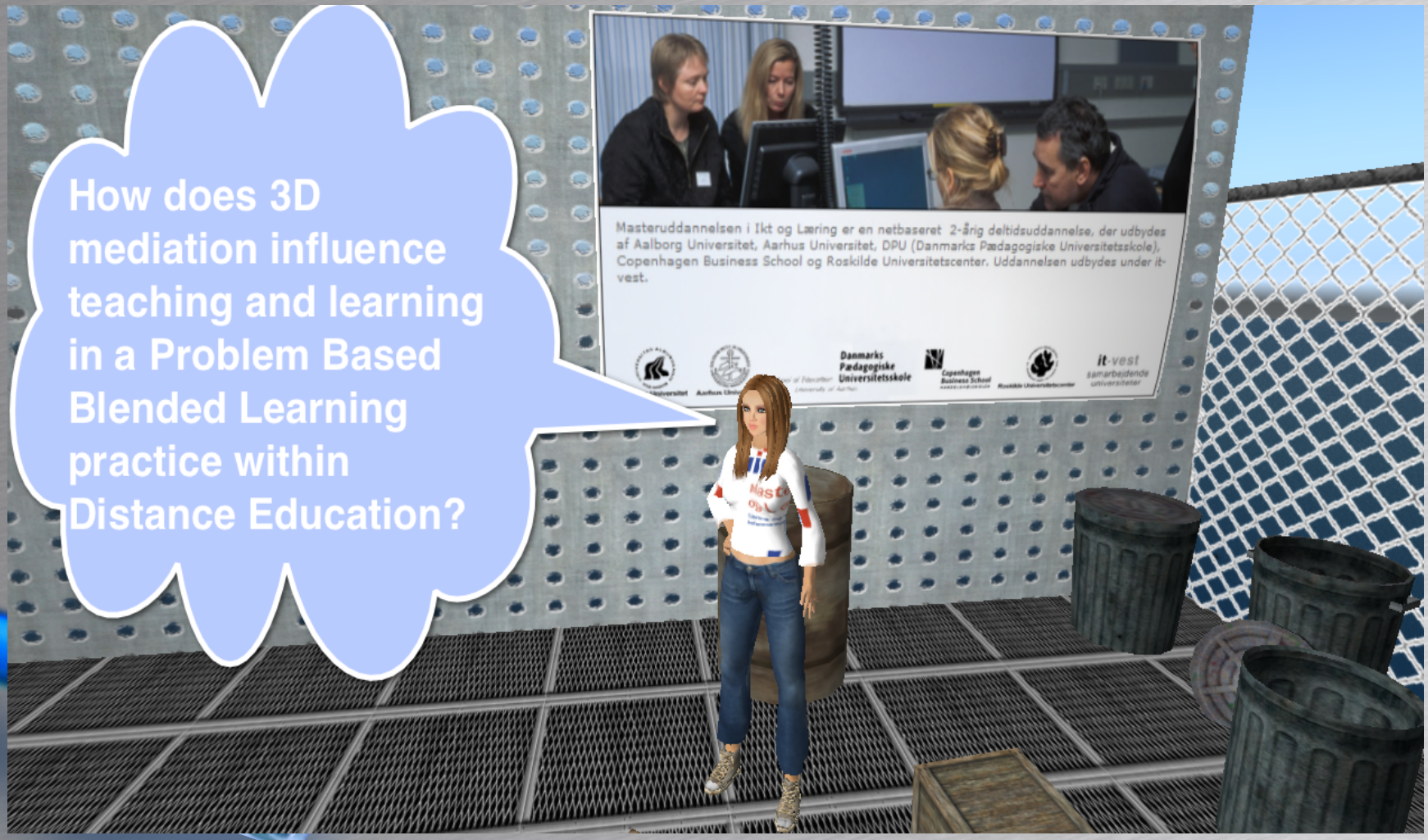
- PhD Candidate at **e-Learning Lab**, Aalborg University (2008 - 2011)
- Masters program in ICT and Learning (2003 -)
- ICT and Didactic Design
  - CSdCL, HCI and Action Research
- 5 years in vocational training



Project overview



Research question



Research goals

- **Theoretical**: contribute to a better understanding of remediating didactic practice and of 3D virtual worlds as Didactic Designs
- **Methodological**: contribute to a better understanding of ethnographic methods in 3D virtual worlds and of Action Research in Didactic Design research
- **Practical**: contribute with a Didactic Design strategy for remediating people, places and practices in 3D PBBL

Cases

MIL

Master in **I**CT and **L**earning –
Aalborg University, Denmark

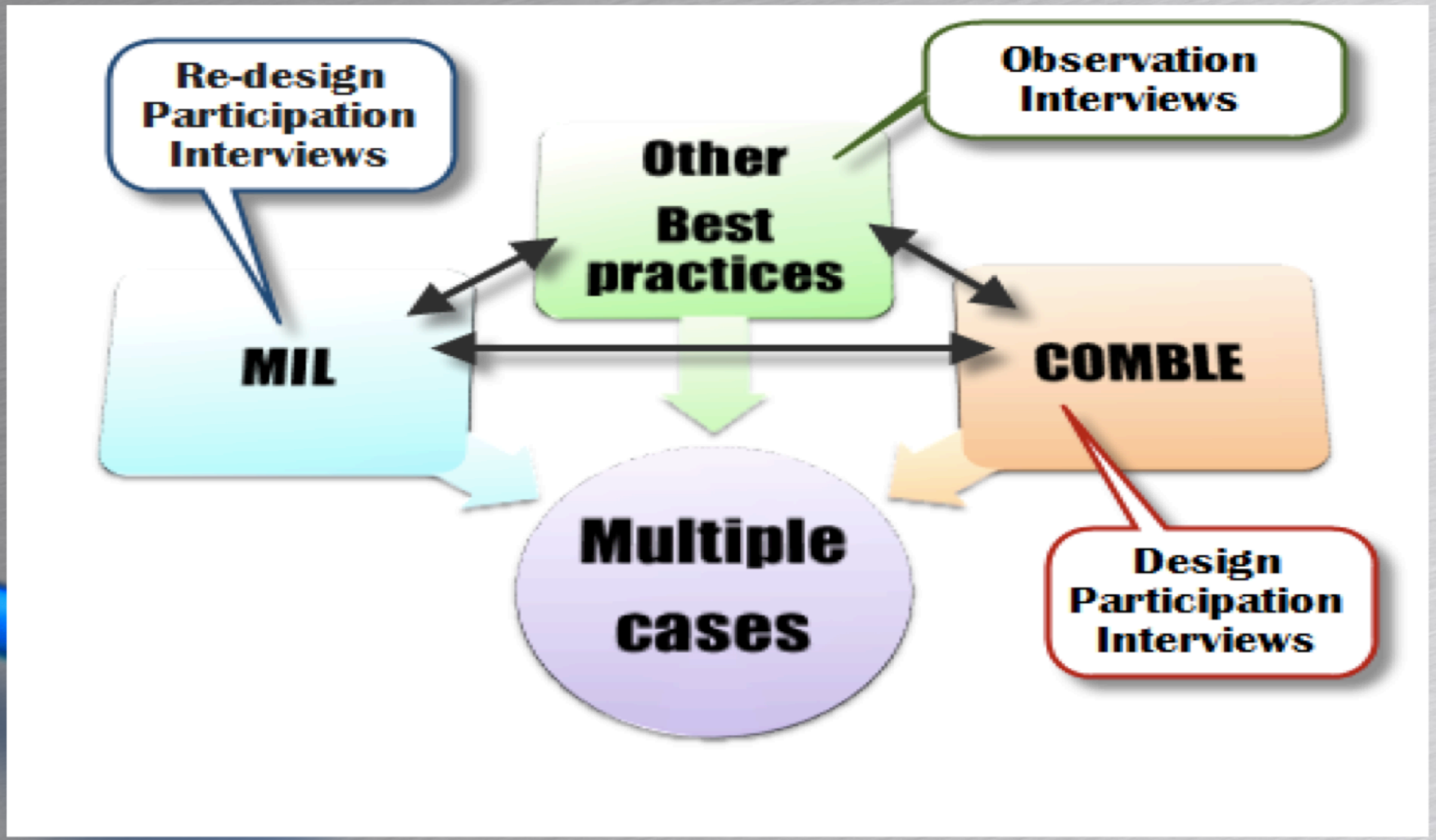
MIL

Master i Ikt
og Læring

COMBLE

COMmunity of Integrated
Blended **L**earning in **E**urope

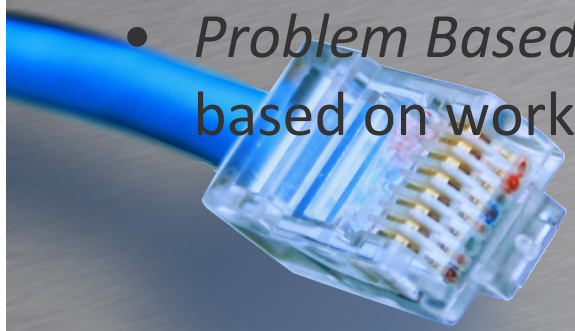
Data collection



People, Places and Practices

MIL

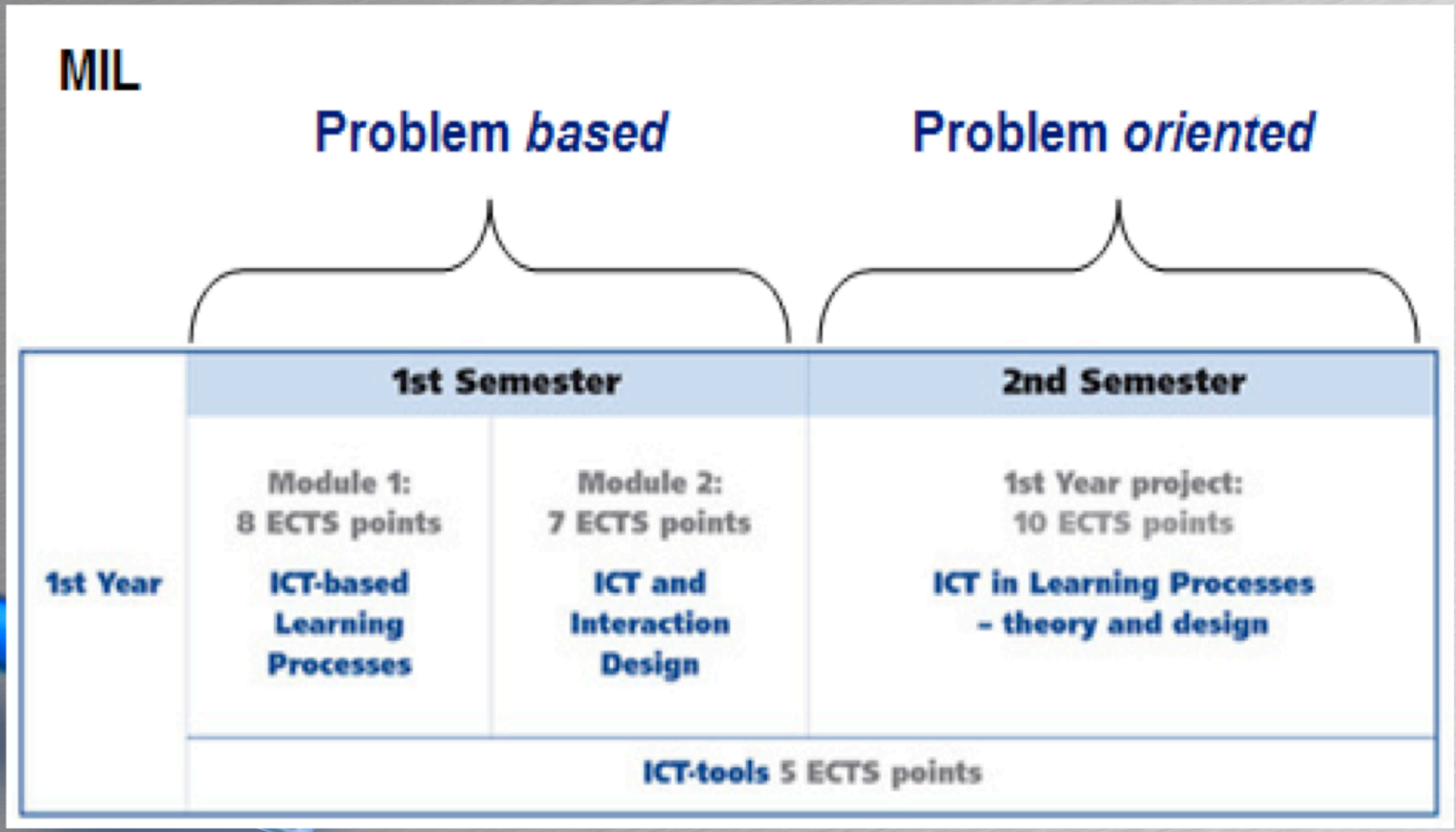
- 3 research cycles (n=42)
- Adult learners; teachers and trainers interested in ICT and Didactic Design – mainly Danish
- Blended between f2f, FirstClass® and Second Life®
- *Problem Based Learning* based on workplace cases



COMBLE

- 1 research cycle (n=23)
- Adult learners; teachers and trainers interested in ICT and PBL – Danish, German, Polish, Estonian and South Americans
- Blended between Moodle® and Second Life®
- *Problem Oriented Project Based Learning* based on workplace cases

PBL – the Aalborg Model (2.0)



Why PBL?

Working in groups with real life problems is believed to *motivate* learners, who ideally will learn:

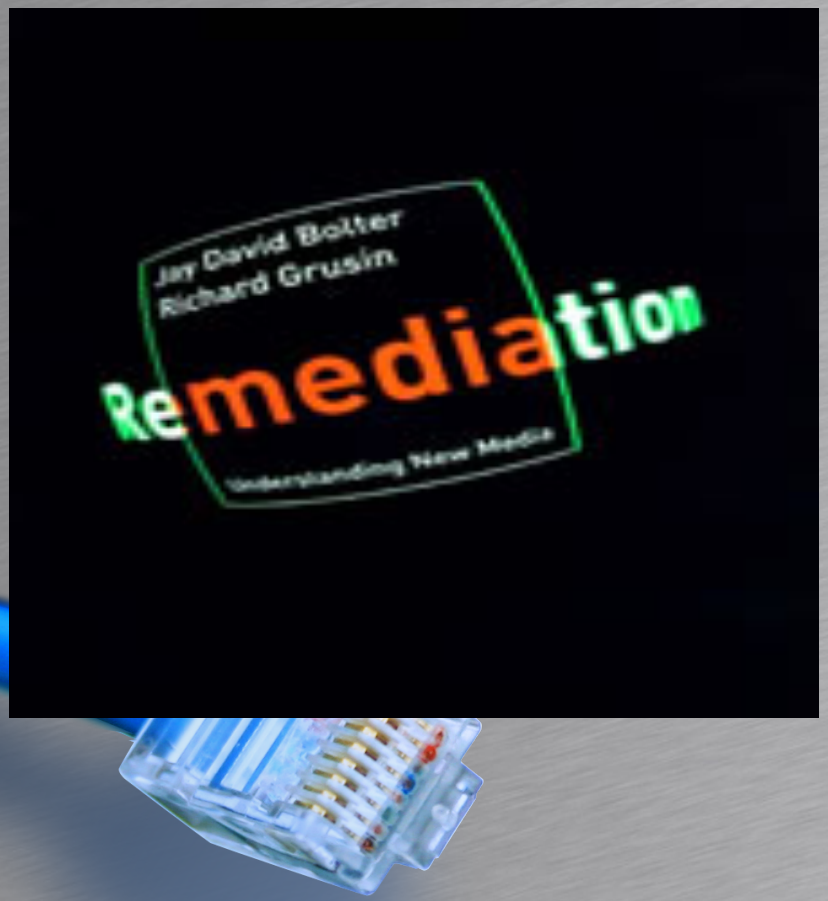
- problem solving
- critical thinking
- project management
- negotiation and conflict resolution
- analytical and methodological skills

All pertinent skills in lifelong learning!

Why Second Life?

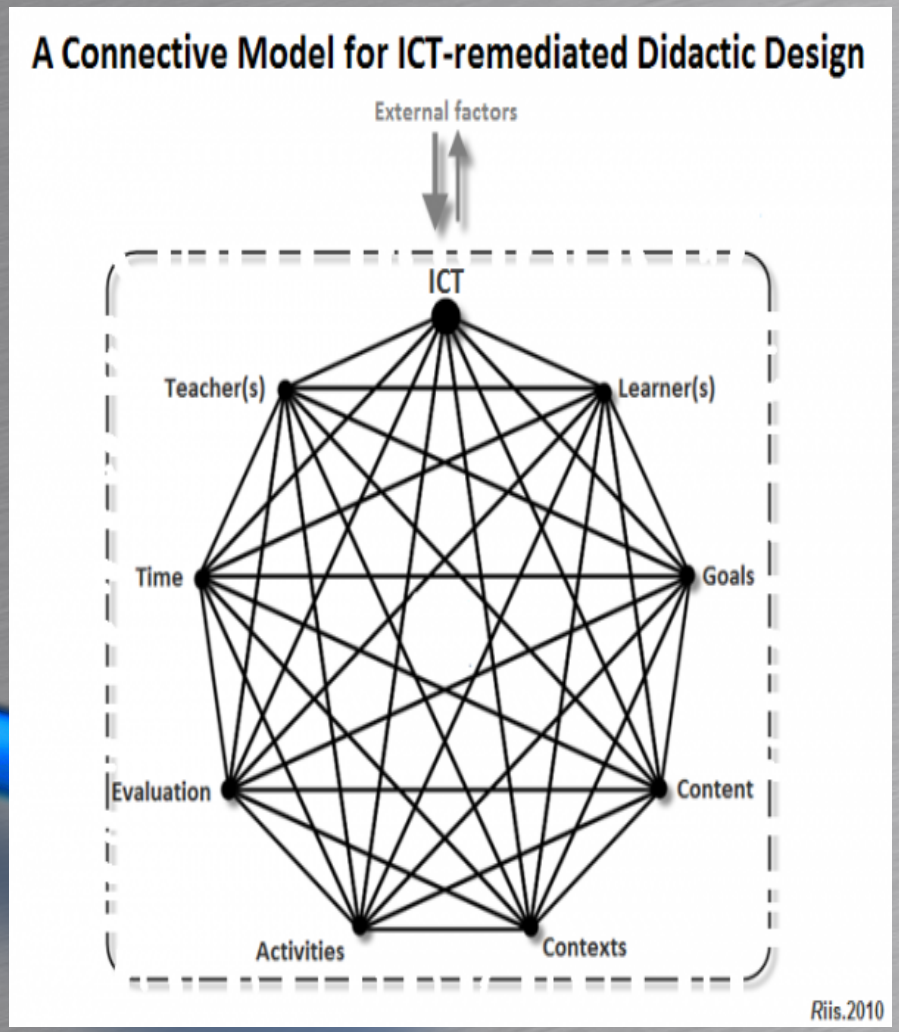
> In the beginning I though SL is only some funny tool/place and more gaming than really learning something seriously. However after getting over the voice issue I had in the beginning I really feel that his is somehow better than just telecons with sharing PowerPoint presentations. Somehow it's more fun and more engaging to join in for sessions and being able to write within different groups in parallel to speaking is very interactive and useful. …. Someone that normally favors f2f against any sort of technology meeting.

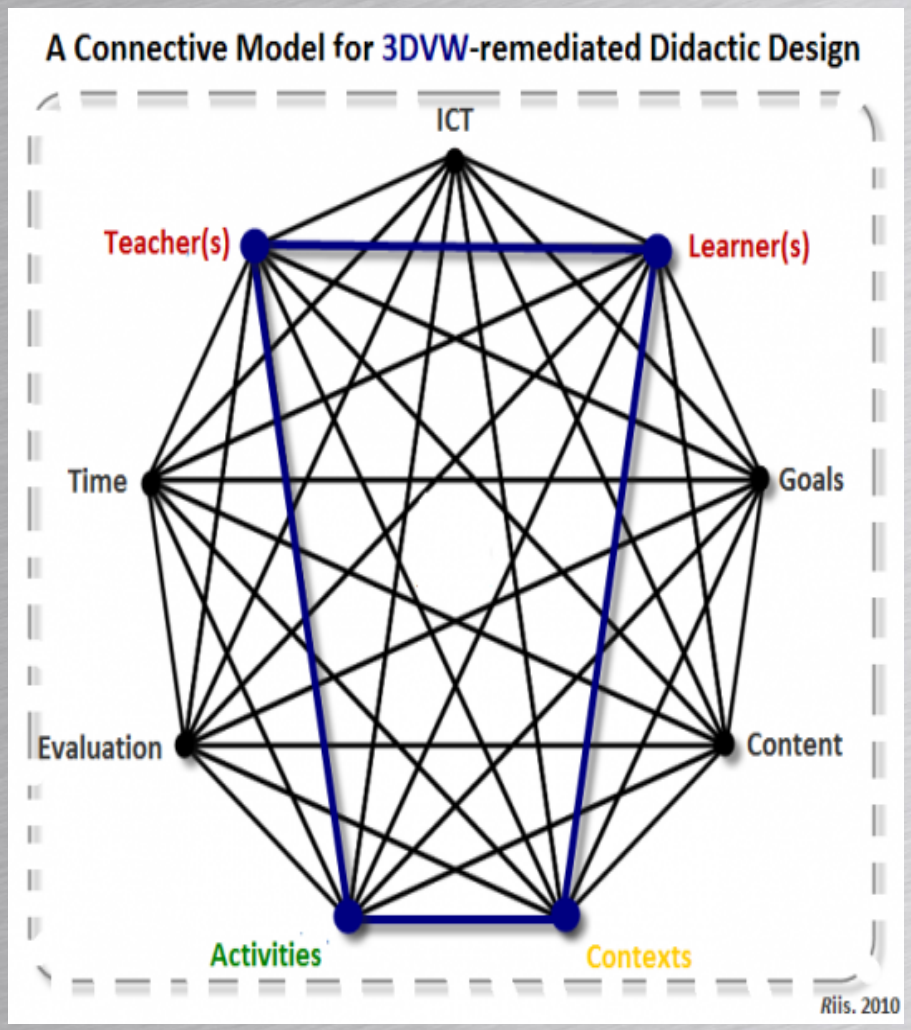
Why Remediation?



- Offers an explanation of the way new (visual) media refashion older media – and vice versa.
- May contribute to an understanding of what happens when we use digital media – and what we should be aware of ...
- too may examples of just “pluggin’ in”:-(

Connective models for Didactic Design





Remediation concept

- **Immediacy** → aimed at diminishing the user's awareness of the medium/mediation
- **Hypermediacy** → aimed at enhancing the user's awareness of the medium/mediation

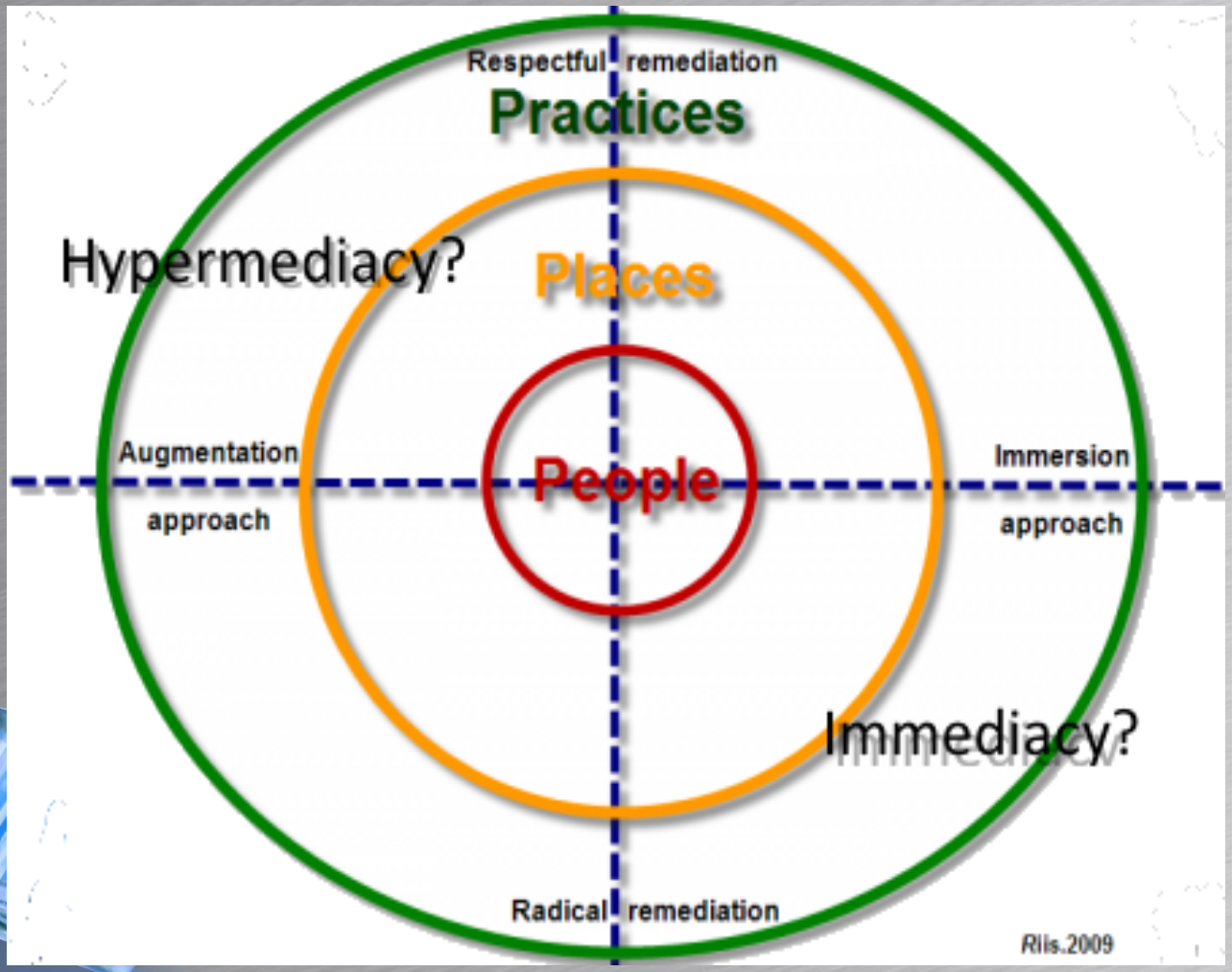
↓

Authentic experience

Respectful ---------- Radical

(Augmentation ---------- Immersion)

PPP model

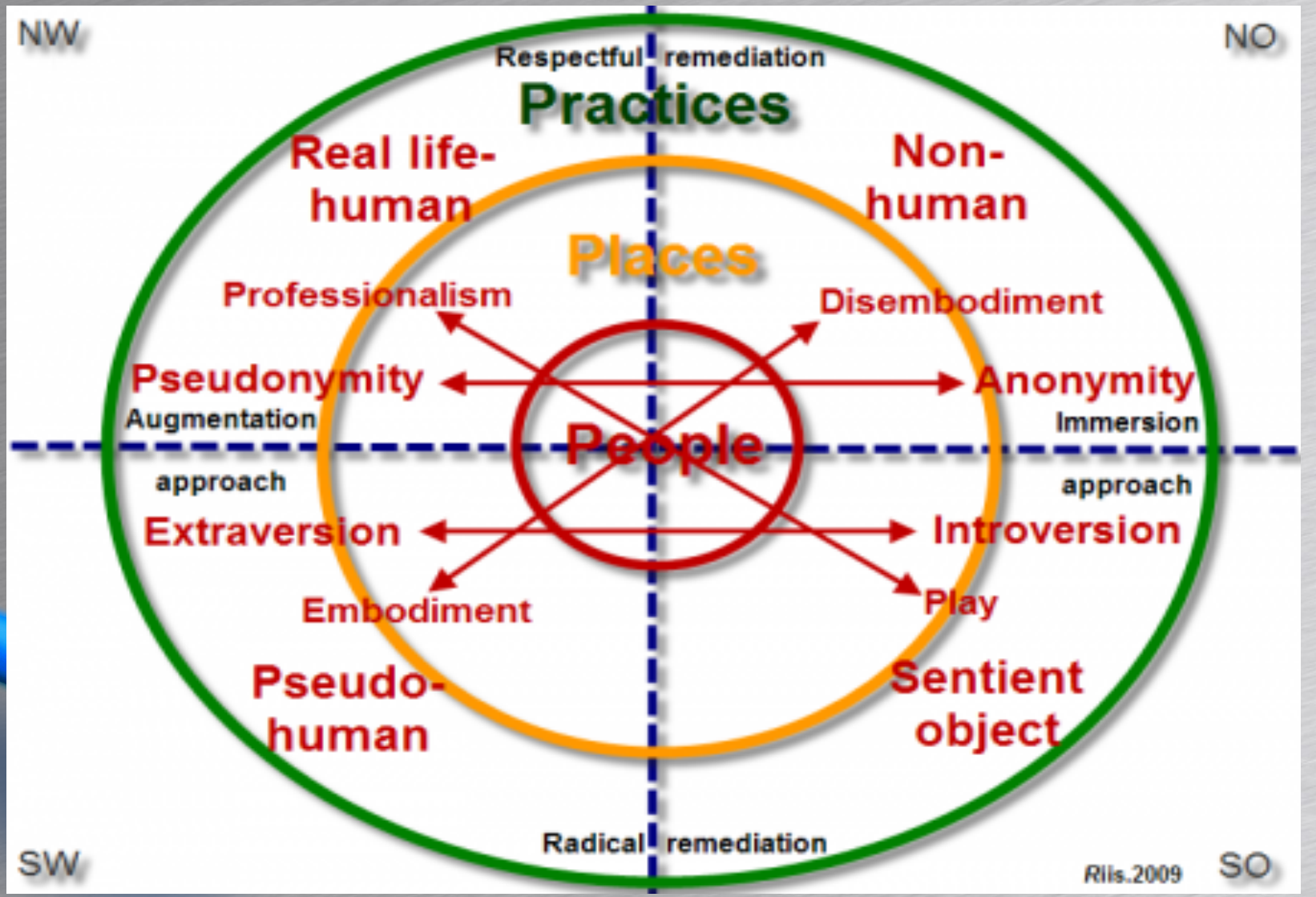

Respectful remediation
Practices
Hypermediacy?
Places
Augmentation
approach
People
Immersion
approach
Immediacy?
Radical remediation
Rlis.2009

Immediacy vs. hypermediacy?

Augmentation vs. Immersion?

Respectful vs. Radical?

People – key concepts

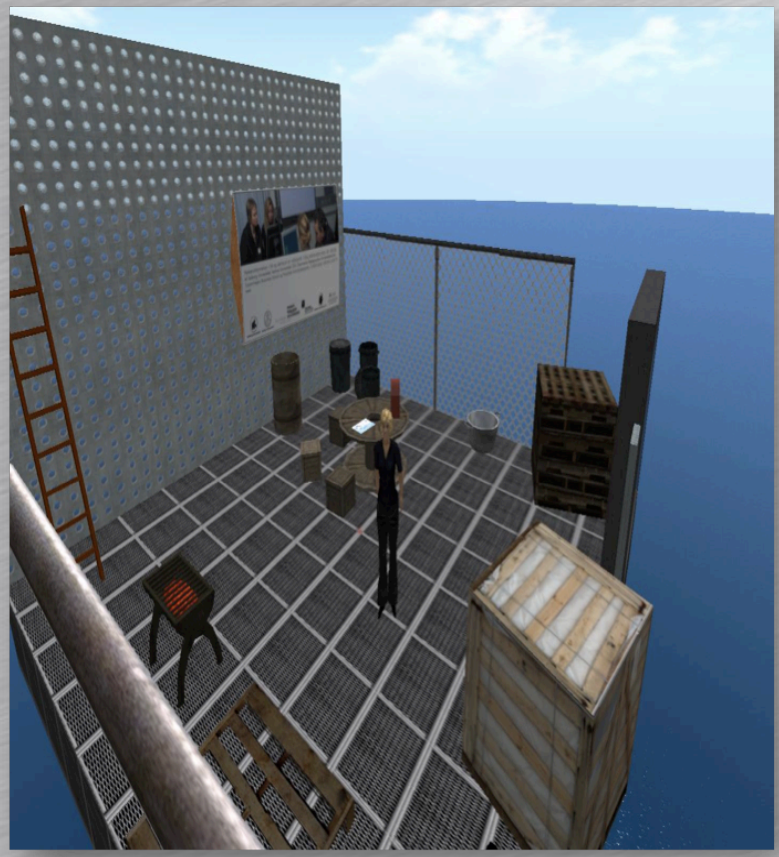


3D remediated People …

3D remediated Places …

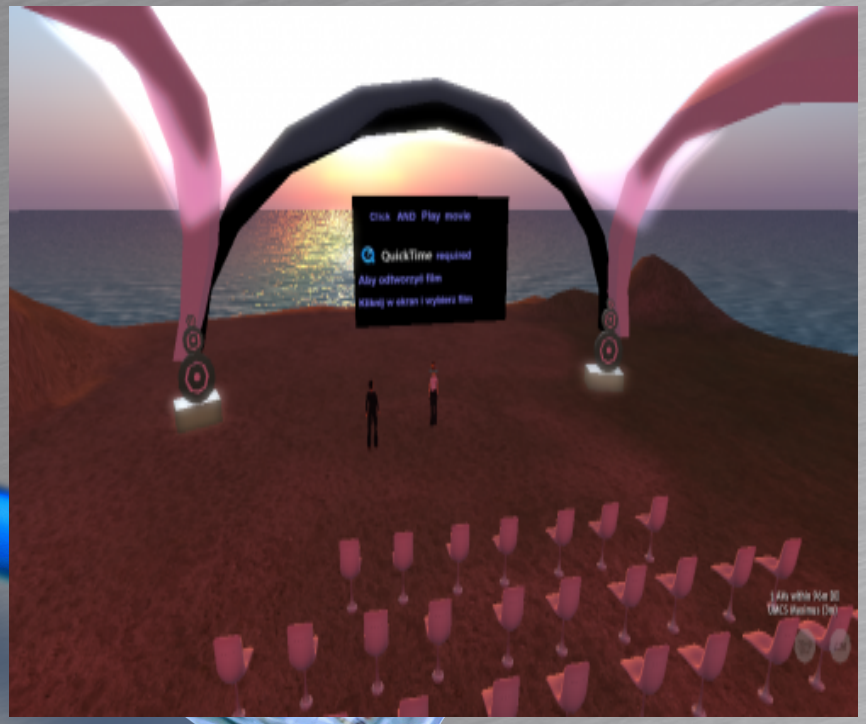
Respectful office

Radical classroom



3D remediated Places …

COMBLE auditorium - before

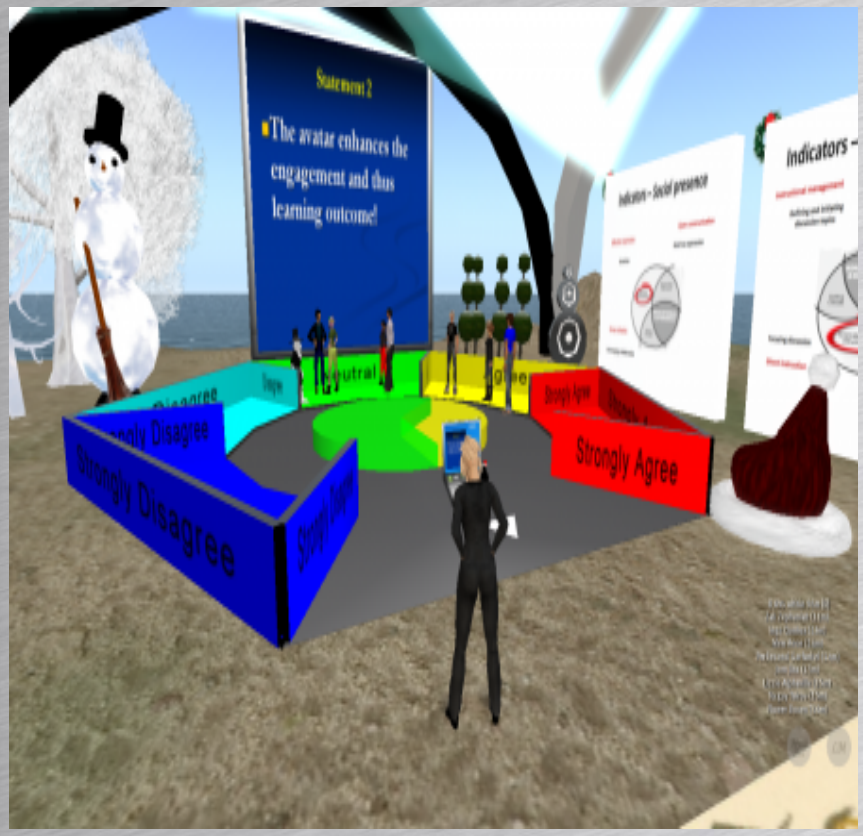


COMBLE auditorium - after

3D remediated Practices …

Respectful discussion

Radical discussion



3D remediated Practices …

Respectful student presentation

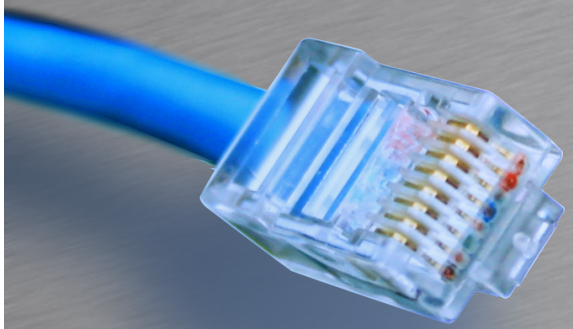
Radical student presentation

Why am I here?

- To learn from Professor Tringham … and You!
- Place vs. Space? Respectful vs. Radical designs/builds?
- Observe/interview – Okapi Island
- Refine and most likely reform my models
- Write the chapter concerning Remediation
- Contribute to discussions and work on these matters …

Where can you find me?

- Piedmont Av. 2224, room 14
- E-mail: mil01mr@hum.aau.dk
- In-world: Mariis Mills
- Research blog:
  http://milmariis.wordpress.com/



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