



**ifgi**

Institut für Geoinformatik  
Universität Münster



**edUGi** <sup>2</sup>.la

**edugi**

# eduGI

Re-use and Sharing of e-Learning  
Courses in GI Science Education

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# Agenda

1. Background
2. Problem
3. Approach
4. Results
5. Summary and Outlook



# 1. Background

- 2003-2004: *eduGI.LA* – Prototypical teaching materials and online sessions,

[www.eduGI.net/eduGI.LA/](http://www.eduGI.net/eduGI.LA/)



- 2004-2007: *eduGI.LA II* – first e-Learning courses, [www.eduGI.net/eduGI.LA2](http://www.eduGI.net/eduGI.LA2)



- 2005-2007: *eduGI* – Exchange of e-Learning courses, winter semester 06/07,

[www.eduGI.net/eduGI](http://www.eduGI.net/eduGI)



## 2. Problem

- High-quality e-Learning is expensive
- Extensive funding is over
- Lack of business models for the „time after the funding“, e.g., maintenance and updating



# 3. Approach

## 1. Re-use of existing resources

- E-Learning platform (ISEGI, Portugal)
- Course concepts, teaching materials (each partner having expertise and materials for his/her course)
- Mutual interest in sustainable usage

## 2. Sharing of resources in networks

- Provision of 1 course, access to several external courses
- Exchange of complete courses **including teachers** (vs. exchange of materials)
- Non-fee business model



## 4. Results - projects

- 3 courses performed, 5 prepared (eduGI.LA II)
- 8 courses organized (draft syllabus, eduGI)
- Low resources for development (being experts, materials available)
- Low resources for course reception



## 4. Results – ifgi (Digital Cartography)

- Good evaluation of teaching materials
- Platform: lacking usability (previous version)
- More interaction required
- New to teachers and students
- Return of investment
  - Costs ~ 17.000 €, 1/3 own resources
  - Re-use of course at ifgi
  - Access to 6 courses with new topics for our students
  - Option for future exchange
  - E-Learning know-how



# 5. Summary and Outlook

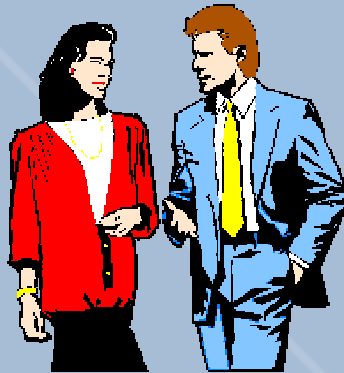
- Business model works
  - Low costs (providing and receiving courses)
  - Appropriate quality
  - Improvements needed (platform, interactions)
- Exchange exceeding the current networks
- Business model for blended learning courses



# Thank you very much for your attention!



***Questions***



***Discussion***



***Comments***

[www.eduGI.net/eduGI](http://www.eduGI.net/eduGI), [www.eduGI.net/eduGI.LA2](http://www.eduGI.net/eduGI.LA2)

<http://geoinf.uni-muenster.de> (course „Digital Cartography“)

[broxc@uni-muenster.de](mailto:broxc@uni-muenster.de), <http://ifgi.uni-muenster.de/~broxc/>

(Discussion Paper: Exchange of Internet-based GI Teaching Modules. AGILE 2003 ; International Exchange of E-Learning Courses. EUGISES 2004; forthcoming: Exchange of Complete e-Learning Courses. EUGISES 2006)