E-Learning opportunities for Celtic Studies

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- E-Learning background and current trends
- Modular approach
- Developing learning materials
- External resources
- Open Educational Resources and Learning Repositories
- Summary

Introduction

E-Learning opportunities from the point of view of actual seminar:

“Introduction to Celtic Studies”

- one semester
- 10–20 students
- first year of B. A.
- not only from Celtic Studies

Definition of E-Learning

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Any form of learning or teaching mediated by any form of electronic online technology

Degrees of E-Learning

Different possible degrees of E-Learning:

low degree: enrichment of traditional classes with online materials (e. g. online reader)

integrative: some online modules integrated into traditional classes

high: fully online interactive multimedia learning environment

also: combination of classroom teaching and online materials (Blended Learning)

Expectations for E-Learning

Initial expectations for E-Learning

E-Learning automatically:

- saves time
- saves money
- leads to a revolution of learning
- &c.

Advantages of E-Learning

Actual advantages of E-Learning include

- independence of time
- independence of place
- alternative learning scenarios
- multimedia integration
- &c.

When to use E-Learning

Especially suited for E-Learning

subject matter not taught in schools

basic knowledge rather than deep understanding

not discussion based

declarative knowledge rather than procedural knowledge

suited for multimedia support

Current trends in E-Learning

Current trends in E-Learning include

- Blended Learning
- Flipped Classroom
- MOOCs
- Modular Learning Resources

Blended LEarning

Blended Learning

alternating online and classroom phases

content delivered online

in-class sessions used for discussion, problem solving, exercises, &c.

Flipped Classroom

Flipped Classroom

lectures recorded on video

accessed by students before in-class session

in class: no content delivery

MOOC

Massive Open Online Courses

fully online course

hundreds of thousands of participants

extremely high drop-out

Introduction to Celtic Studies

From the point of view of the “Introduction to Celtic Studies”:

All of these scenarios are

- extremely work-intensive
- extremely cost-intensive

Introduction to Celtic Studies

From the point of view of the “Introduction to Celtic Studies”:

All of these scenarios are

- extremely work-intensive
- extremely cost-intensive
- out of reach for my purposes

alternative approach necessary

Modular approach

Instead of aiming at fully online virtual course:
Combine selected E-Learning elements where most useful

two strategies

- develop some materials myself
- integrate existing external resources

classroom teaching is combined with E-Learning elements as Blended Learning

Developing learning material

examples

- online tests
- interactive timeline

Online tests

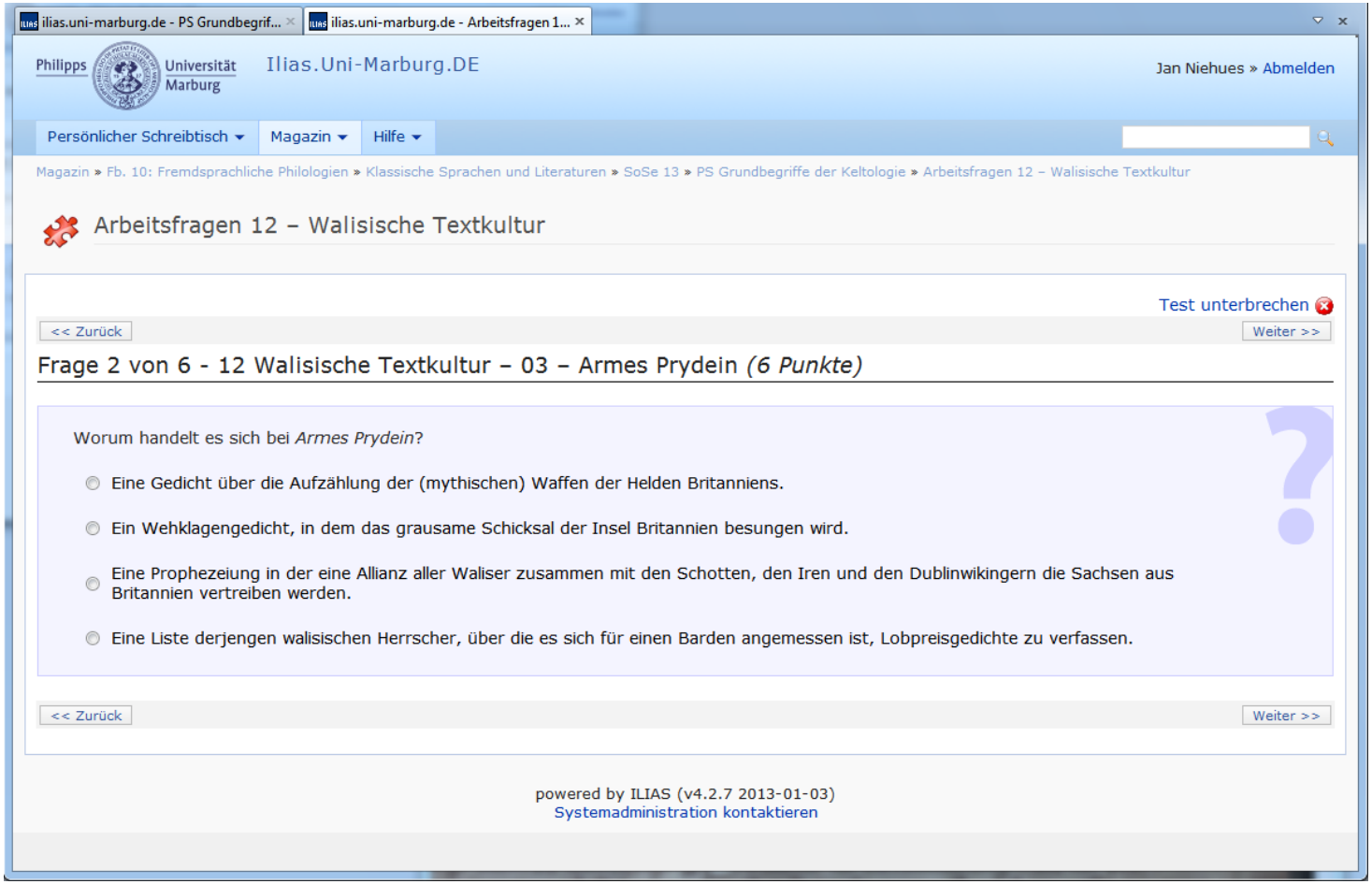

Figure 1: *Online test – "Grundbegriffe der Keltologie, Summer Term 2013"*

Interactive Timeline – Video

Figure 2: *Interactive Timeline,Grundbegriffe der Keltologie, Summer Term 2013*
Timeline program code by: http://www.simile-widgets.org

Interactive Timeline – Screenshot

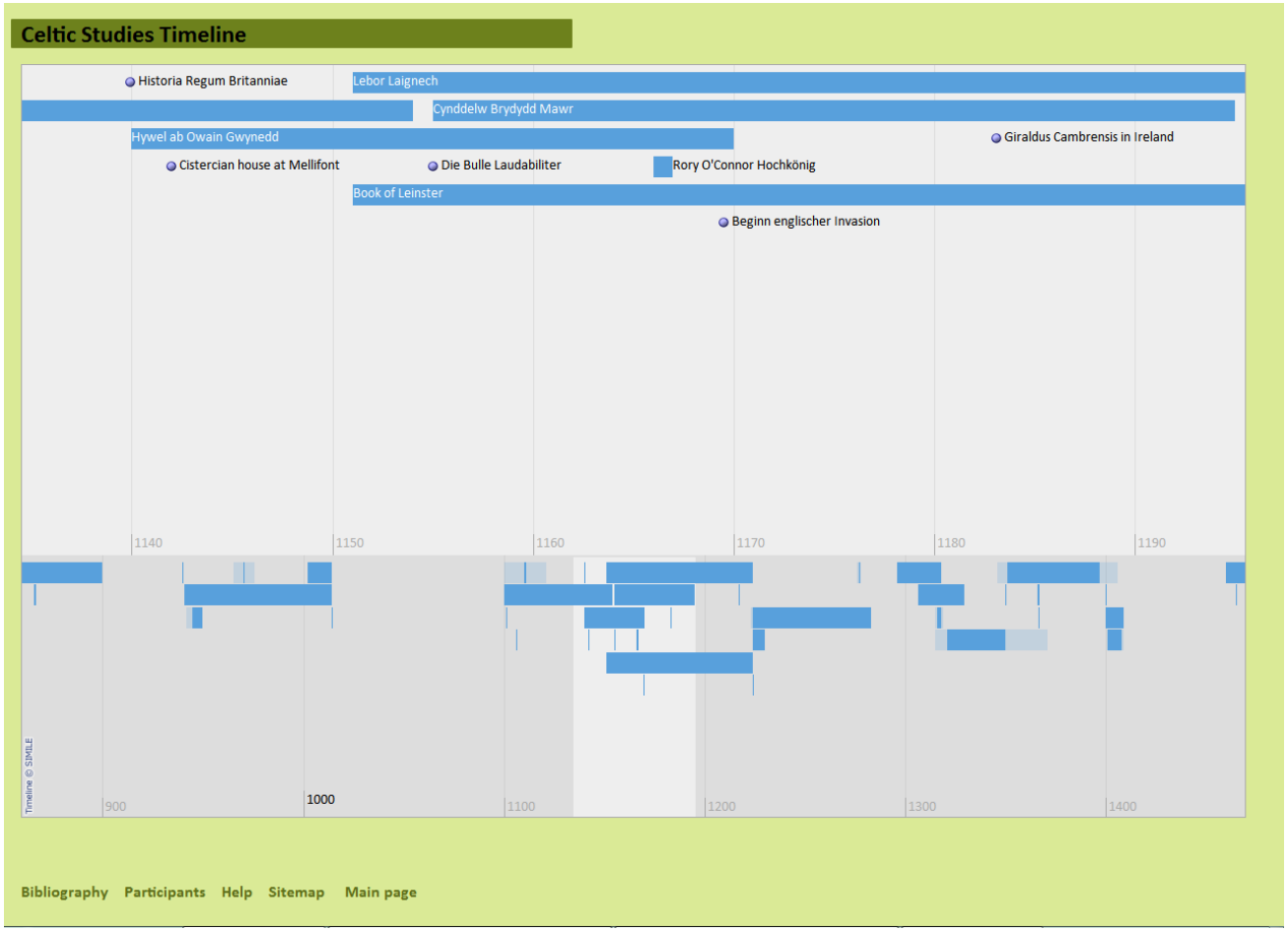

Figure 3: *Interactive Timeline,Grundbegriffe der Keltologie, Summer Term 2013*
Timeline program code by: http://www.simile-widgets.org

Integrating external resources

Anything can become a learning resource

some examples

- Ogham 3D
- online manuscripts
- audio examples

Ogham 3D

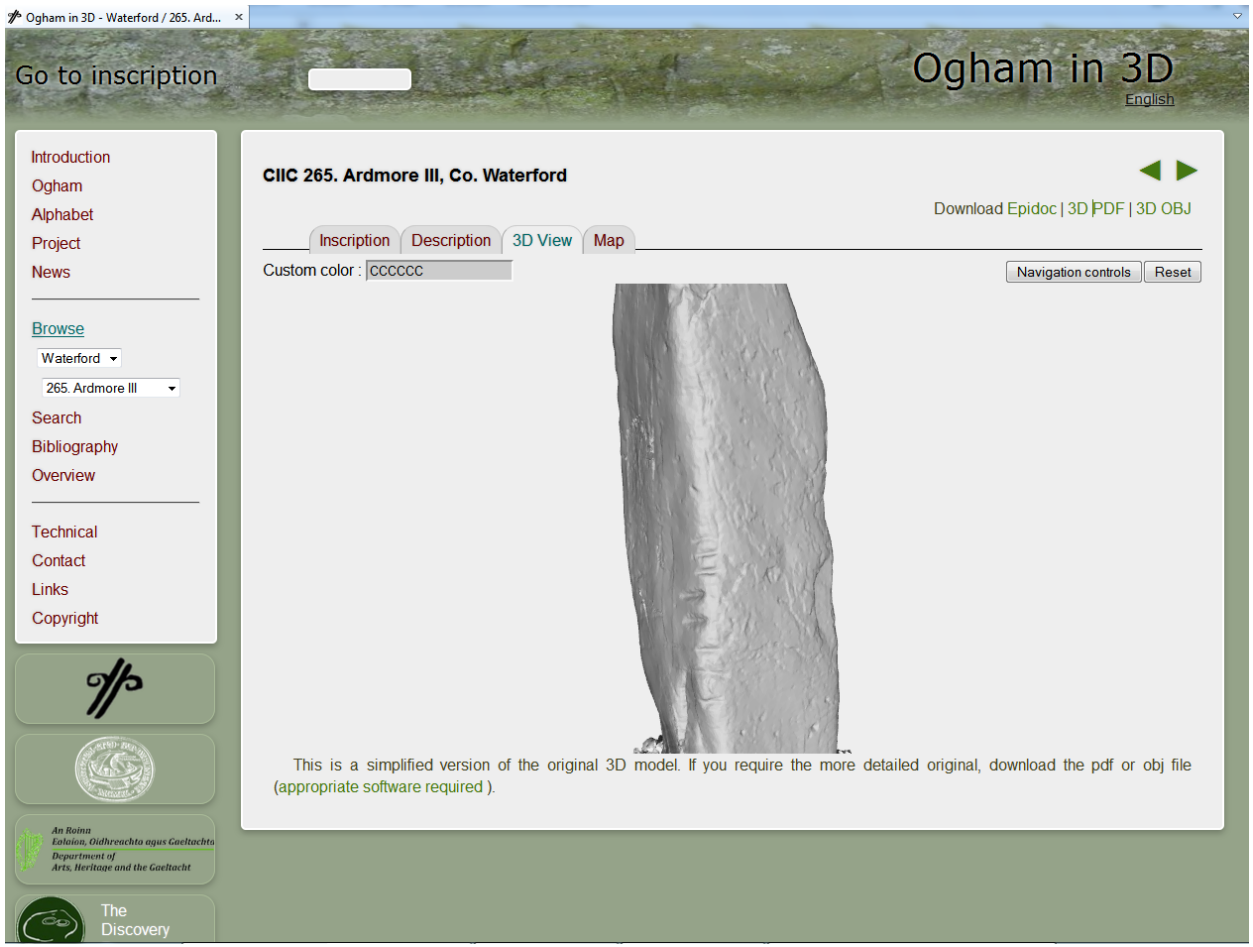

Figure 4: *Ogham in 3D – DIAS*

Online Manuscripts – Book of Leinster

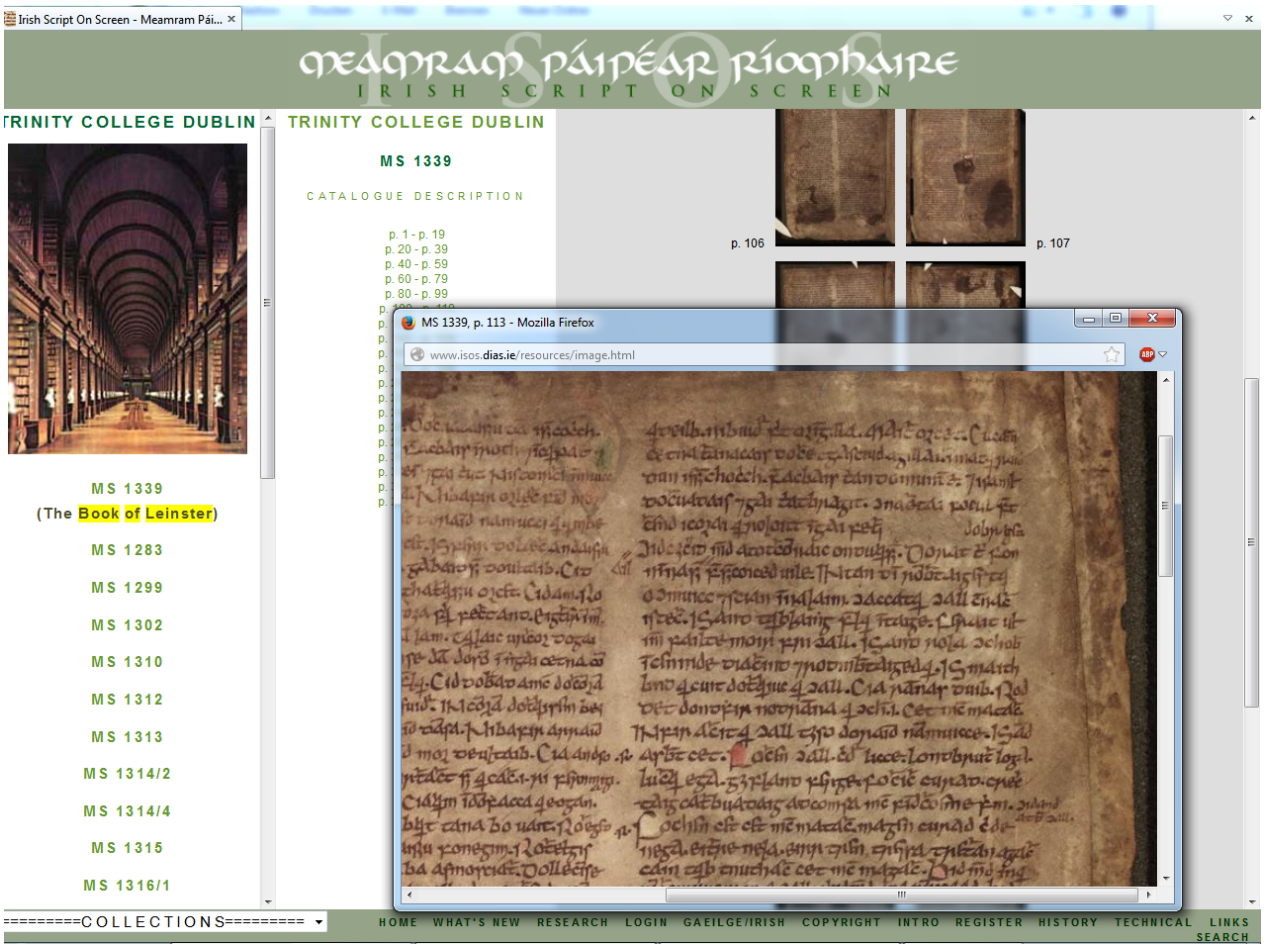

Figure 5: *MS TCD 1339 (Book of Leinster) – ISOS*

Sound samples

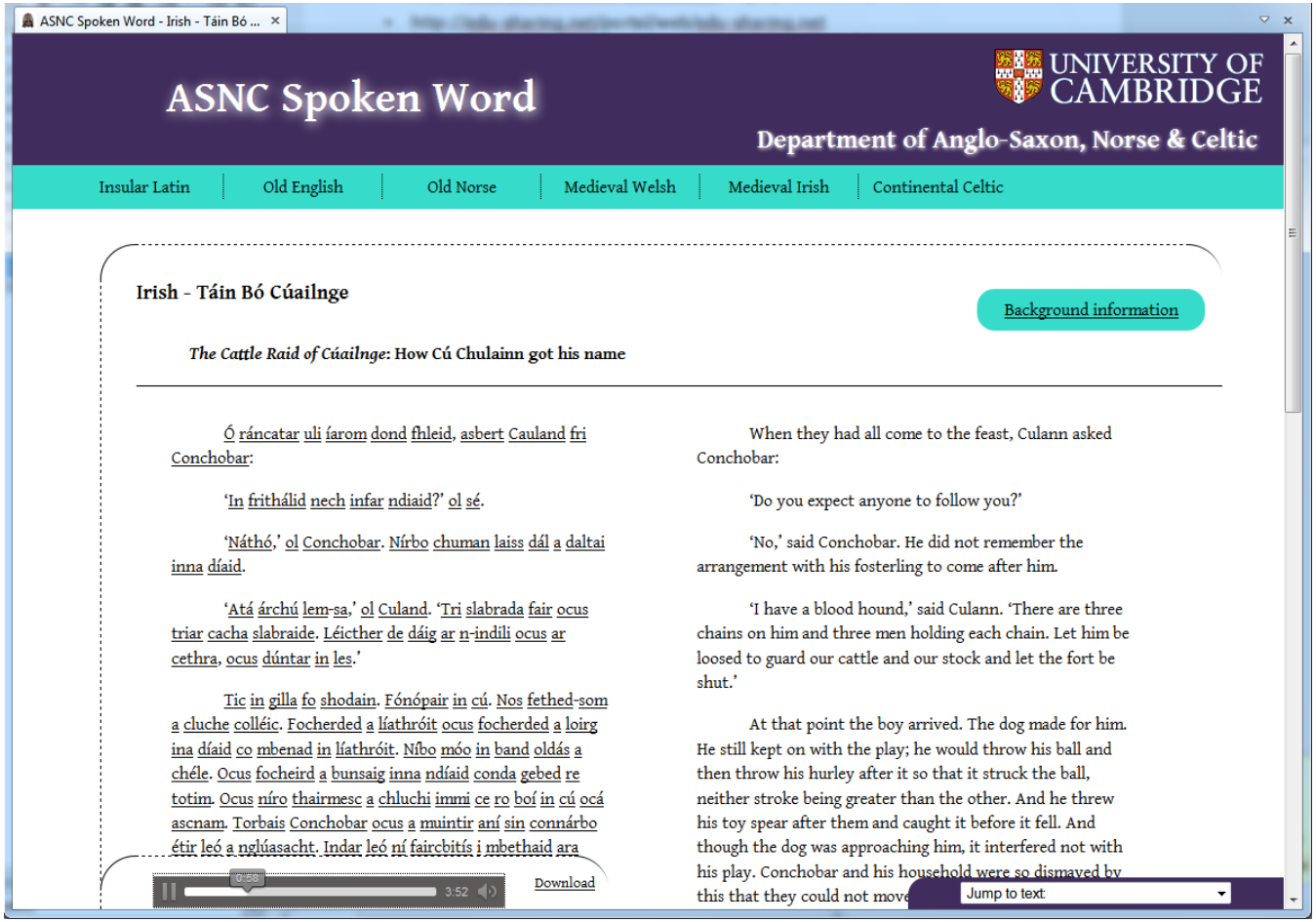

Figure 6: *Táin Bó Cúailnge – Univ. Cambridge,ASNC Spoken word*

Considerations

some points to keep in mind

- intended learning goals
- suitability of material
- institutional framework
- technical framework
- avoid or mitigate incoherency

Open Educational Resources

Open Educational Resources

learning materials

available online

free to use, free of charge

Learning Repositories

Online directories of available OER

oercommons.org

ariadne-eu.org

academicearth.org

openlearnware.hrz.tu-darmstadt.de

edu-sharing.net/portal/web/edu-sharing.net

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can be used to *publish* resources as well ...

Summary

benefits of E-Learning can be also realised outside of large scale projects
possibilities and benefits of modular approaches very real
possible applicability of other subjects