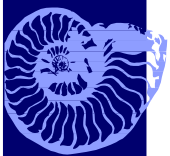


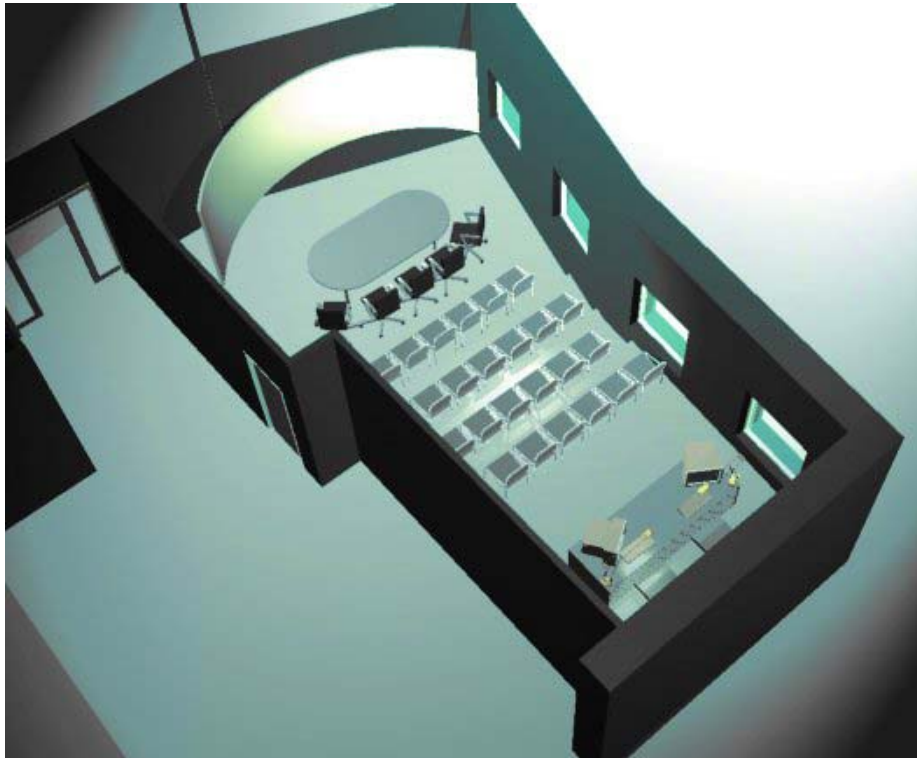
E-learning in the Geosciences

NVU konferansen
Stavanger 24-25 februar 2003

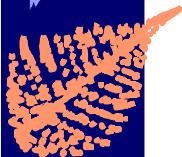
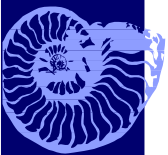
Bjørn Sæther
Statoil ASA



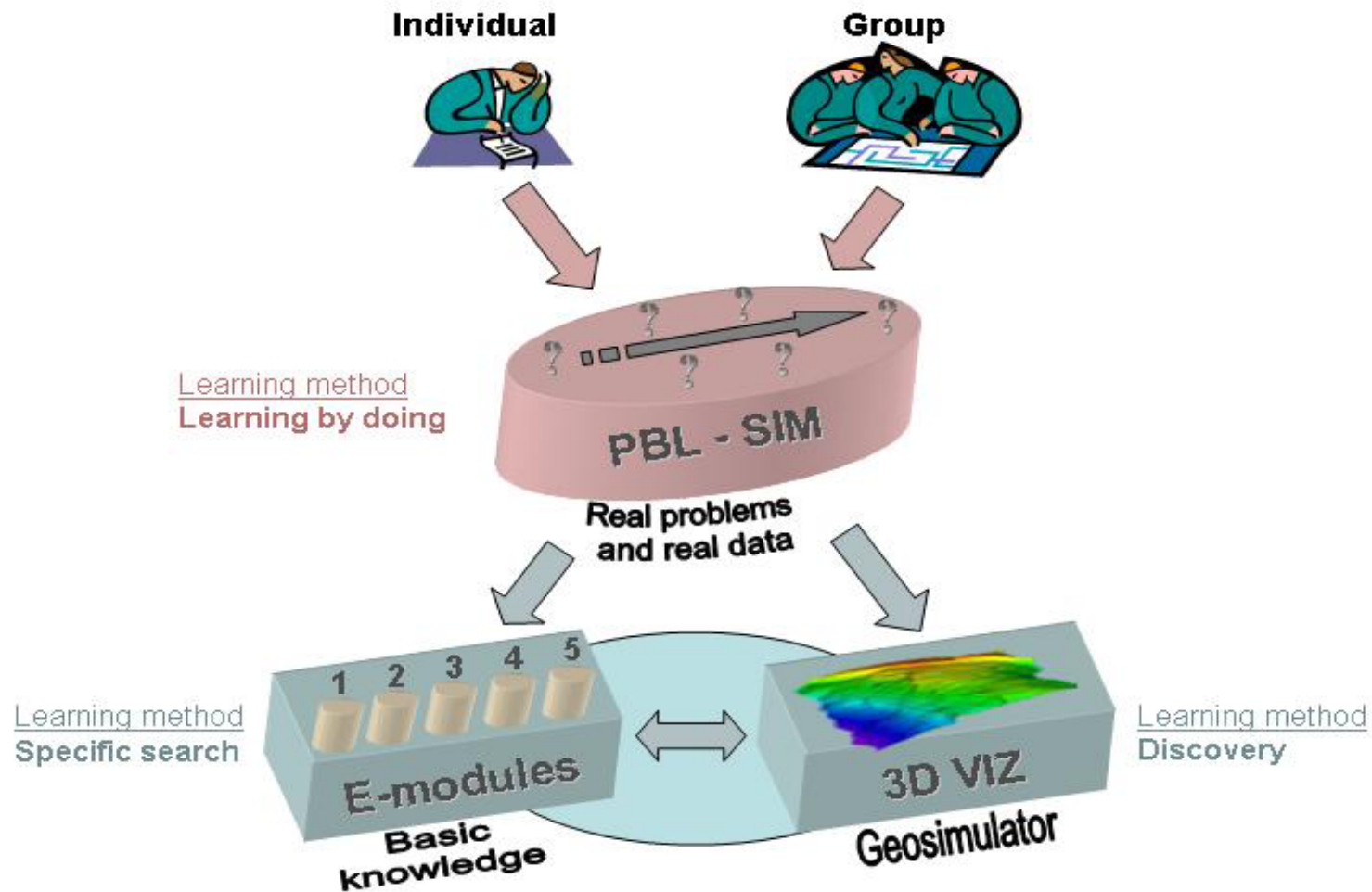
Use of visionarium in geotraining



- Develop competence
- Learning and training
- Team building
- Learning in groups
- PBL
- Realism (immersed)



Computer-based training (e-learning)



Svalsim-Medium PBL Exploration Simulator

- Collaboration with KI - Stockholm
- From Medicin to Geology
- Simulates a "real" exploration task
- Contains only real data
- Simulates time and budget

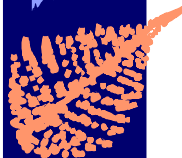
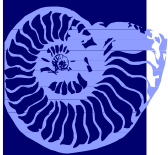
E-modules – basic knowledge

Producers: Students

Authors: Faculty /Experts

Examples of development 2001:

- Basin Modelling
- Capillary Pressure
- Reservoir Simulation
- Porosity
- Seismic Stratigraphy
- Introduction to Reservoir Technology
- Seismic modelling
- Geophysical Principles
- Gullfaks



Learning Journals



Learning Journals Geoscience - Microsoft Internet Explorer

Adresse <http://www.learningjournals.net/coursekeeper/news.jsp?language=en>

learning JOURNALS
geoscience

WELCOME & NEWS HELP

Username:

Password:

Geophysics
Geology
Petroleum

Learners
Authors
Knowledge Administrators
Contact
SIGN UP

Select language
English

Learning Journals Home

Welcome to learning geoscience

- the first online journal for multimedia learning content with an editorial board of highly qualified professionals and a serious peer review system - and finally a journal that is **free** to use for the learners!
[Read more](#)

Our editorial board: Learning Geoscience consists of an editorial board that is responsible for ensuring that the database consists of exciting learning content with high professional quality.
[Read more](#)

A quick overview of what we can offer:

Learners: Anybody interested in increasing their knowledge related to geoscience can access our database of interactive high quality learning content.
[Read more](#)

Authors: We provide opportunities for those interested in sharing knowledge to upload and distribute high quality learning modules - and being paid by doing so.
[Read more](#)

Knowledge administrators: Our content is well suited for learning provided by academia and industry who use their own learning management systems.
[Read more](#)

Learning Geoscience News

[View all bulletins](#)

23.10 2001
The journals first learning content has arrived!
Jonny Hesthammer becomes the first person to publish learning modules in Learning Geoscience. And he does not stop with one module...
[Read more](#)

01.10 2001
Statoil collaborates with academia
Statoil spends more than 35 MNOK per year to support petroleum-related research and education projects at the University of Svalbard, Trømsø, Trondheim, Bergen, Oslo and Høyskolen i Stavanger, Norges Handelshøyskole and BI. The funding is organised around two main projects described in detail in the following article.
[Read more](#)

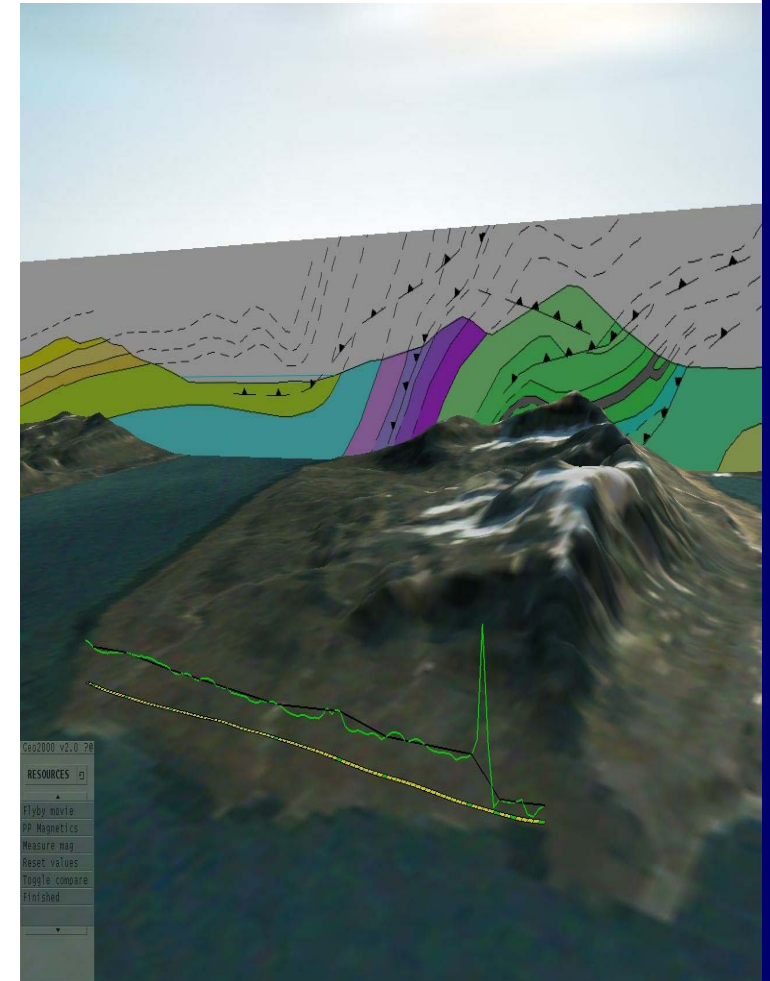
01.10 2001
The worlds first journal for multimedia learning content
The journal is a result of close collaboration between Statoil and academia and related to the simple fact that online learning content must be quality controlled in order to be of value to the learners. The following article (in Norwegian) gives background information and details about the project.

GEO AKTUELT NEWS (NORWEGIAN):

Grenser under vatn	more
Spennende miljøprosjekt på Snorre	more
Vil etablere forskningsbase på Svalbard	more
Landet tiden qlemte	more
Rødnisser i gruvene på Kongsberg	more

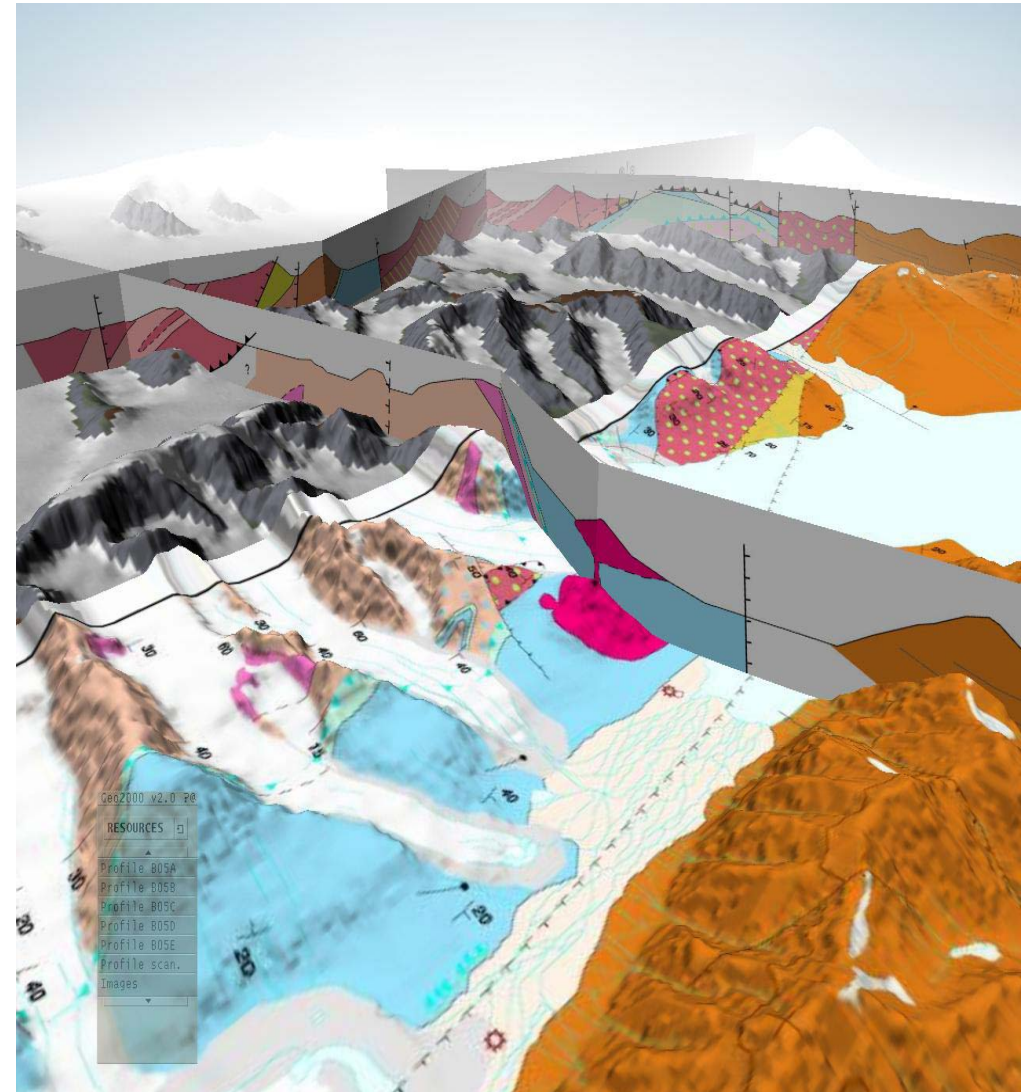
Geosimulators enables:

- Travel in “time and space”
- Easy navigation in the terrain
- Visualizing processes
- Integration of “all” data types
- Connecting outcrops to subsurface
- Access to e-learning modules
- Expert explanations (video)
- Visiting places with difficult logistics
- Access to other field simulators



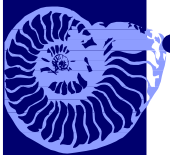
Geosimulator - data types

- Digital terrain models
- Geological maps/profiles
- Geophysical data
- Geographic information
- Images
- Satellite data
- 3D models
- Video
- Animations
- Sound



Applications of Geosimulators

- Preparation before field work/courses
- Supplementary information in the field
- More effective/focused field courses
- Promote field work
- Effective use of analogues to real problems
- Thematic courses using several geosimulators
- Computer based training



Svalex 25-31. august 2001

”Floating, integrated University”

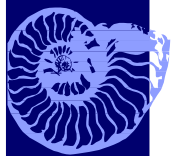
65 master students

35 professors and VIP

3 groups: geophysics, geology and reservoir-technology

7 days with teaching onboard and fieldwork

Computer based training



Computer-based training (e-learning)

