Seismic and virtual outcrop labs

Leo Zijerveld & Juliette Provost
Outline

- Justification
- Access, rules of use
- Hardware setup, network vs local folders, backups & archiving
- Managing your project
- Where to find support
Justification

- Confidentiality: need to demonstrate to data providers that their data is secure

- 22 high spec Windows computers:
  - Powerfull CPU
  - Powerfull graphics cards
  - Large memory
  - Large monitors
  - Large local hard drives

- Specialist software:
  - Interpretation: Petrel, PaleoScan, GeoTeric.....
  - Modelling: Move, Traptester, RMS.....
  - Virtual outcrop modelling: Lime, Riscan, VRGS.....
  - Drawing: Adobe CS, Snaggit.....
  - ..... 

- An inspiring place to work, collaborate, problem solve, etc...
Restricted access, machine allocation

• Access registered on student card
  – *To set up access: email name, card-number and period of access to Leo Zijerveld & Juliette Provost*
  – *In case of access problems also contact Leo Zijerveld & Juliette Provost*

• Do not give others access to the labs or computer without consulting Leo Zijerveld or Juliette Provost

• Post-docs and PhD tend to get “their own machine”
• MSc students may have to share, may get “priority” when close to finishing
• Interpretation and modelling work have priority over writing etc.
The labs: Seismic lab, room 2B12d

Dedicated to GeoTeric, PaleoScan, mega-surveys
The labs: Grotten, 2E15b
Some basic rules of use

- No food, all drinks should have a lid
- Food, drinks and other personal stuff should not be stored in the labs and may be removed
- Do not give others access
- Do not copy any raw data
- Label top folder on the hard-drive with your name
- Log off at the end of the day but leave machine switched on to allow the backup to run overnight
- Do not install any software without consulting lab manager
Network storage

UiB fileserver: all home directories

Home directory
- Access from any machine on network
- Backed up continuously
But:
- Limited storage
- Network too slow for 3D seismic
Use for:
- Personal files
- Papers, downloads etc...
- Stuff you want to reach from other machines

Login using your own credentials: \student\xyz004 password
Restoring files from network backup

1. Right click on folder that contained the file you want to restore
2. Restore previous versions
3. Open backup with desired date/time
4. Copy file from backup to your network drive
Local storage and backups

UiB files server: all home directories

Backup server

GEO055033

Local hard drives:
- Large enough to store any seismic project
- Fast enough for 3D seismic
- But can only be accessed from specific machine
- Only use data drives, C:\ and D:\ are used for system files

Overnight backup onto network server:
- Log off, but leave power on
Restoring files from backup of local hard drives

1. Under windows button search for and run: Backup and Restore

2. Click on Restore my files

3. Choose to browse for files or folders and click on next
Restoring files from backup of local hard drives

4. Select files or folders to restore and click on Add folder

5. Choose where to restore the file to and click on Restore
Archiving

UiB fileserver:
all home directories

Backup server

MSc Project

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Archive volume

Agree with supervisor:
• What to store
• Clean up project when finished

Archive volume:
• Only access by lab manager
• Finished MSc projects
• Seismic data sets
• .....
Managing your project

Why bother?

• For your own benefit: easier to work with
• For your supervisor’s benefit: easier to find stuff after you have left
• Data-management: reduced size on HD, backup, archive

How?

• Include your name in top folder on HD
• Meaningfull filenames, logical filing structure
• Petrel: use meaningfull horizon names and store in stratigraphic order…..
• Regularly clean up temporary objects, copies etc…
• No private stuff on local HD
Support

• Hardware problems:
  – Notify Leo Zijerveld immediately, if absent contact Øyvind Natvik
• Specialist software, licenses etc.:
  – Contact Leo Zijerveld
• Software installation:
  – Contact Leo Zijerveld, do not do this yourself….
• Problems with “standard software”, user acces etc.
  – UiB IT department:
    • submit issue to bs.ub.no
    • 55584700
Finally

• This presentation can also be found on:  
  http://www.uib.no/sites/w3.uib.no/files/seismic_lab_intro_0.pdf

• Is this useful?

• Good luck with your projects