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U N I V E R S I T Y   O F   B E R G E N

Department of Earth Science

# 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...

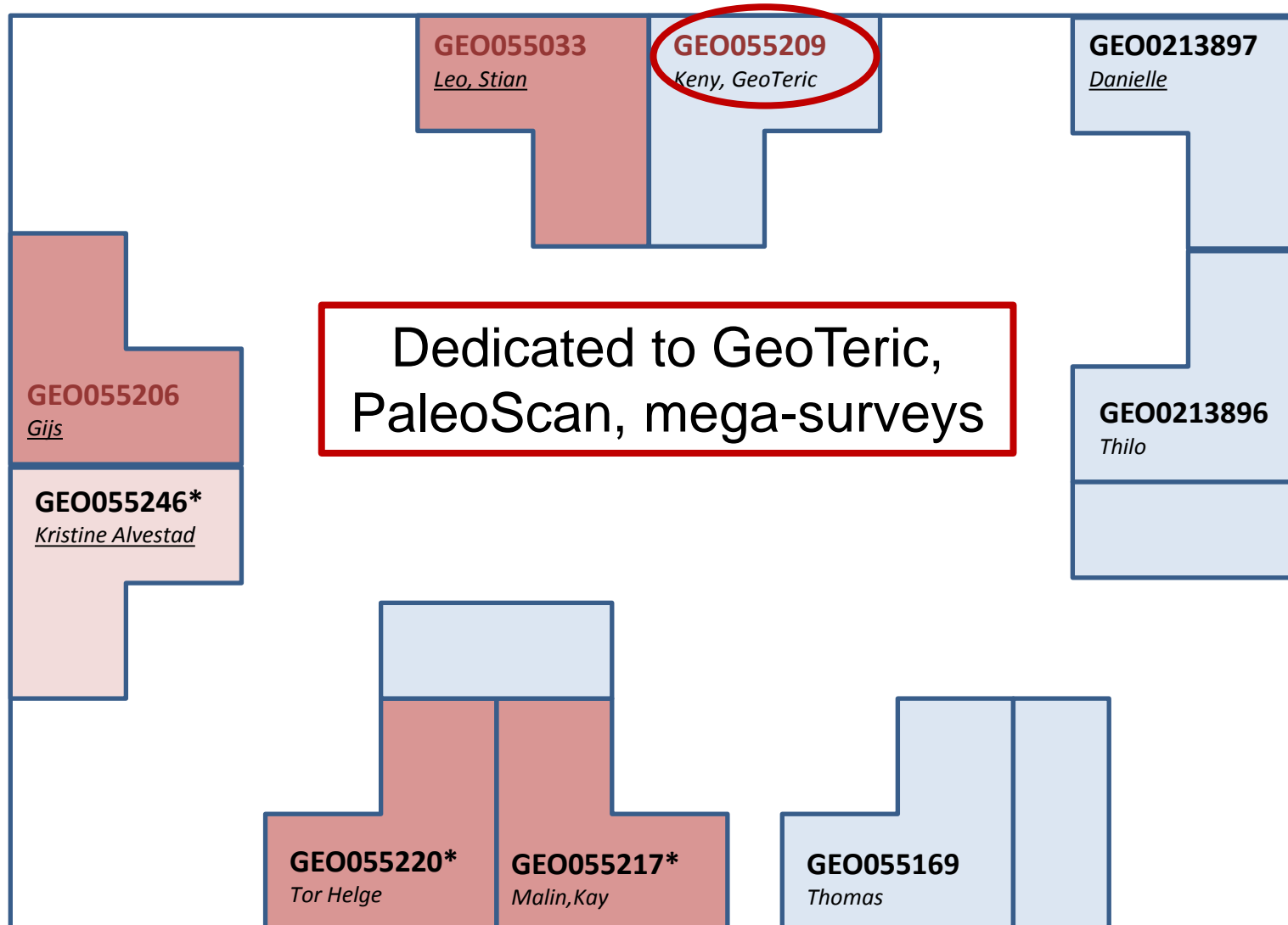


# Restricted access, machine allocation

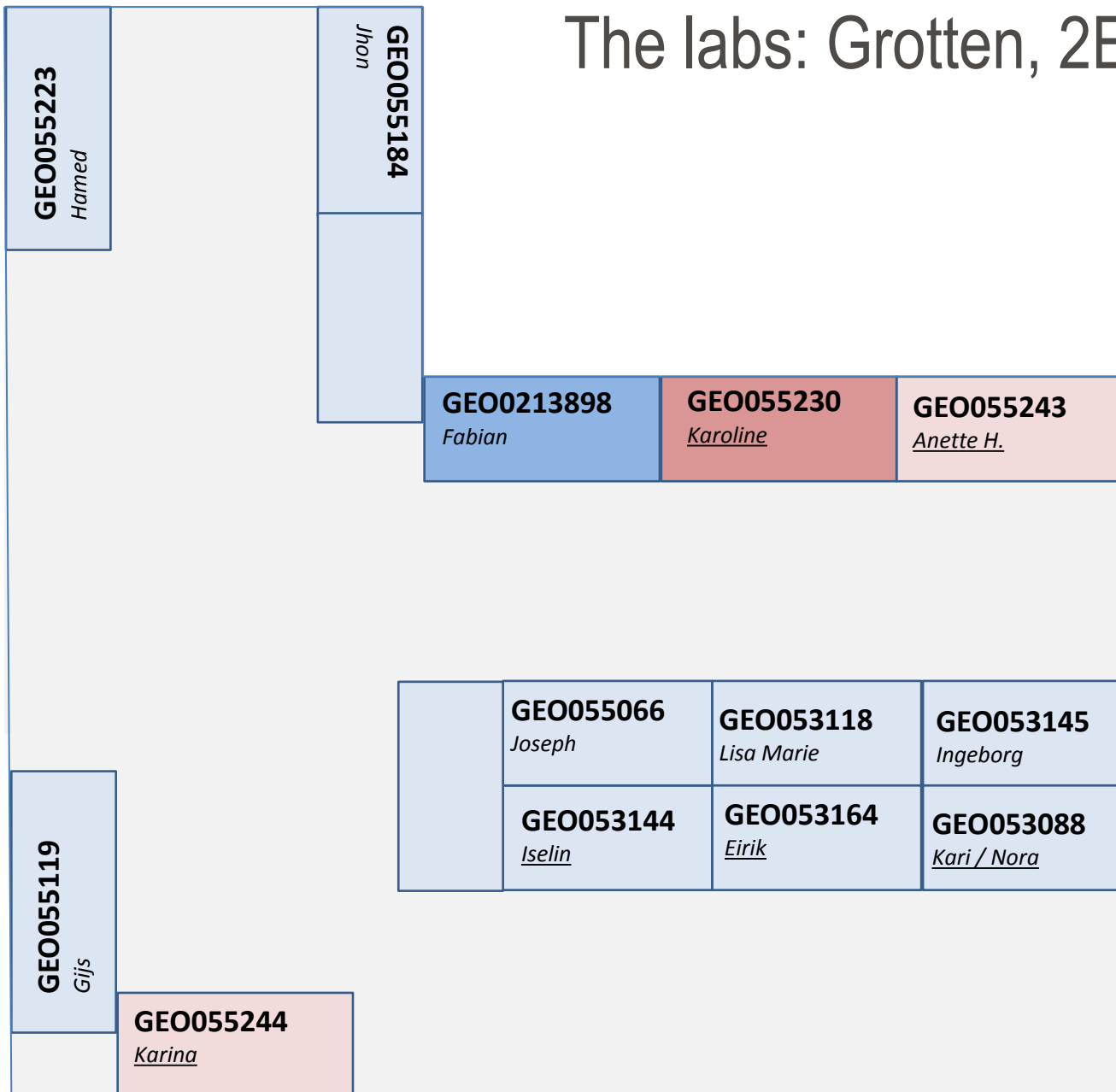
- Access registered on student card
  - *To set up access: email name, card-number and period of access to Leo Zijerveld & Juliette Provost*
  - *In case of access problems also contact Leo Zijerveld & Juliette Provost*
- Do not give others access to the labs or computer without consulting Leo Zijerveld 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



# The labs: Grotten, 2E15b



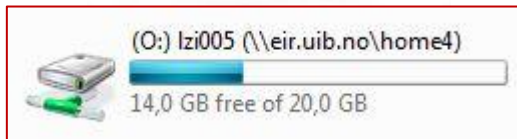
# Some basic rules of use

- 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

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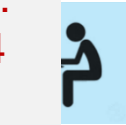


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Etc....

Login using your  
own credentials:  
\\student\xyz004  
password



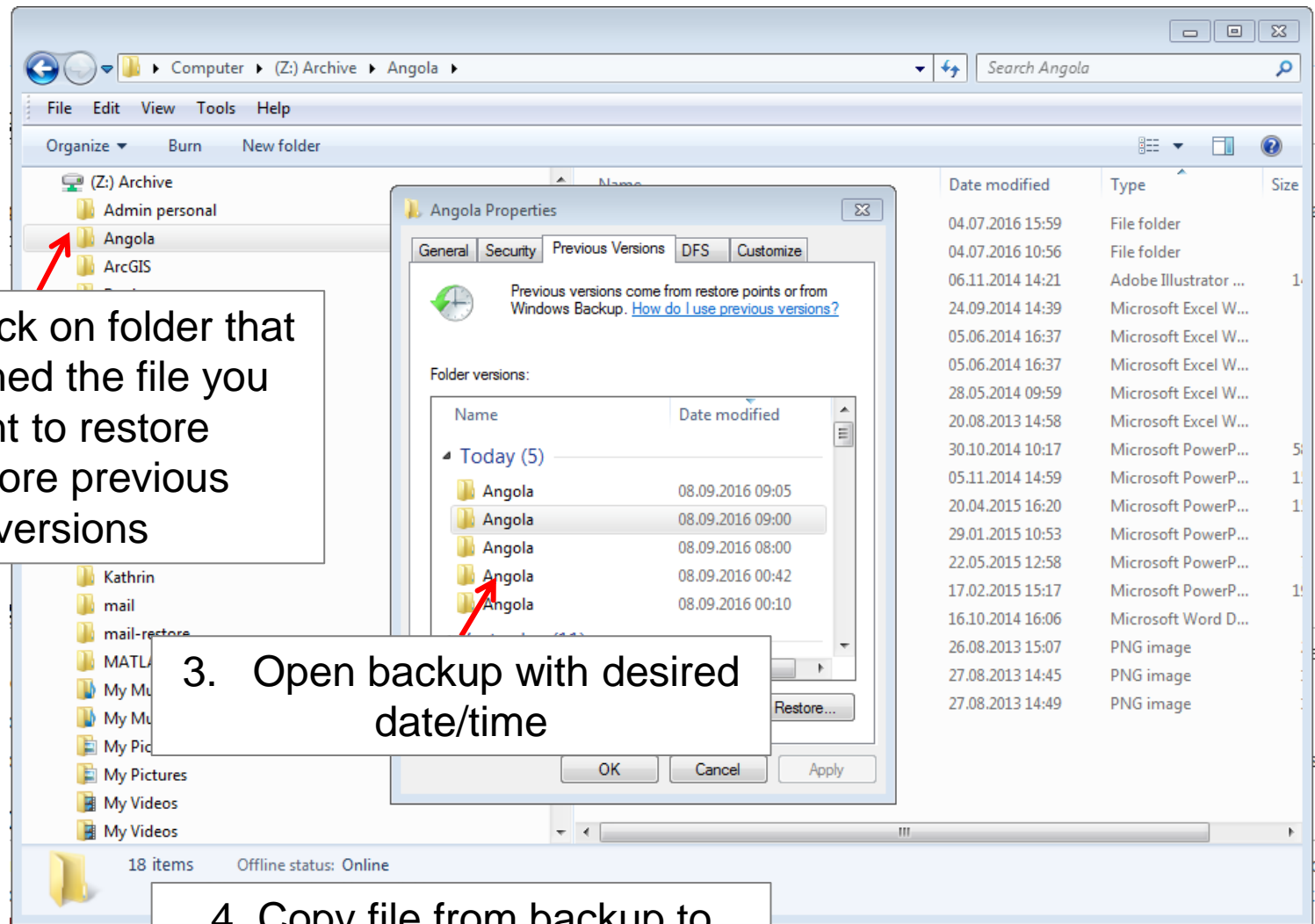


# Restoring files from network backup

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

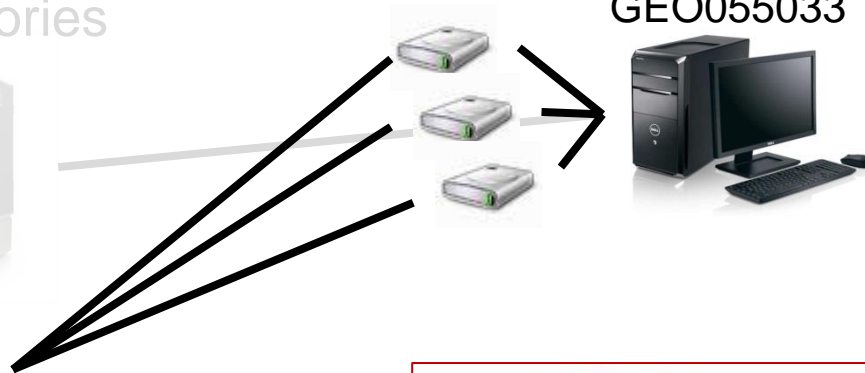


# Local storage and backups

UiB fileserver:  
all home directories



Backup server



## Local harddrives:

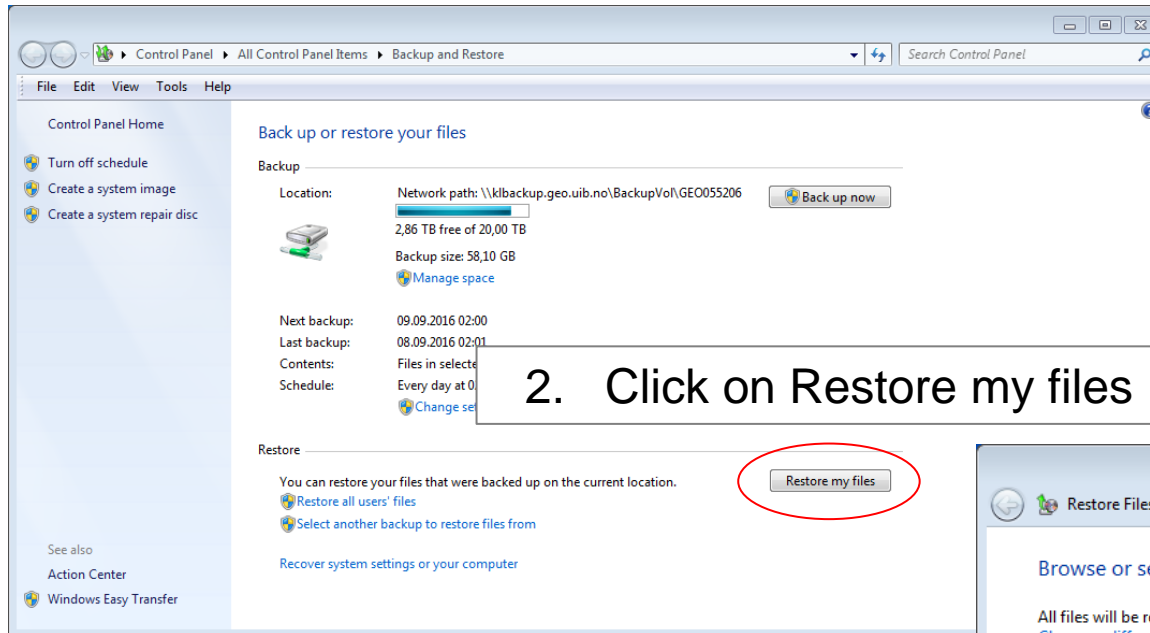
- Large enough to store any seismic project
- Fast enough for 3D seismic
- But can only be accessed from specific machine
- Only use data drives, C:\ and D:\ are used for system files

Overnight backup onto network server:

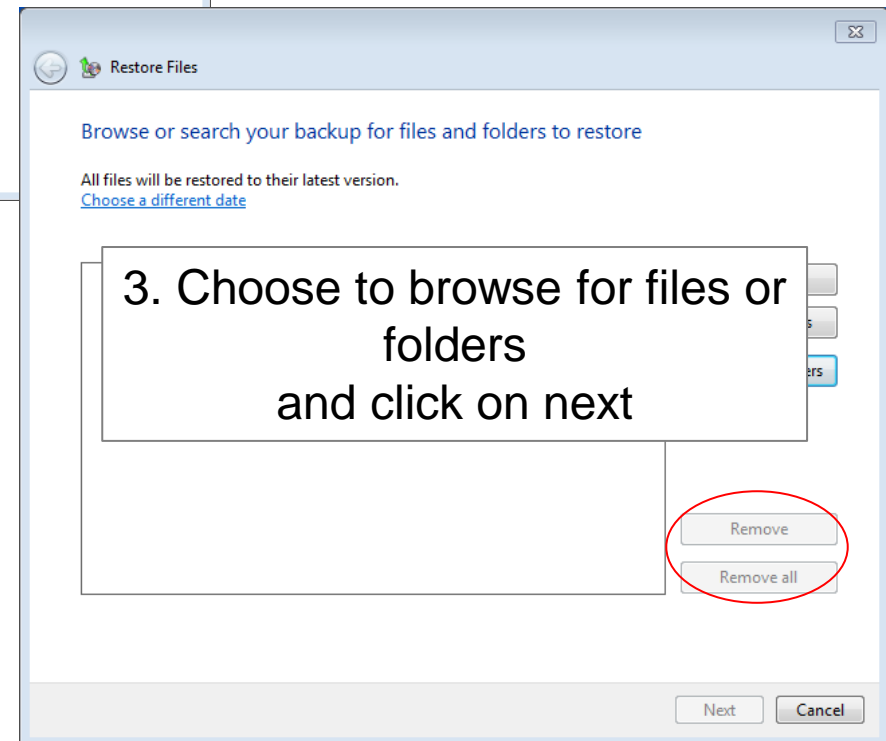
- Log off, but leave power on



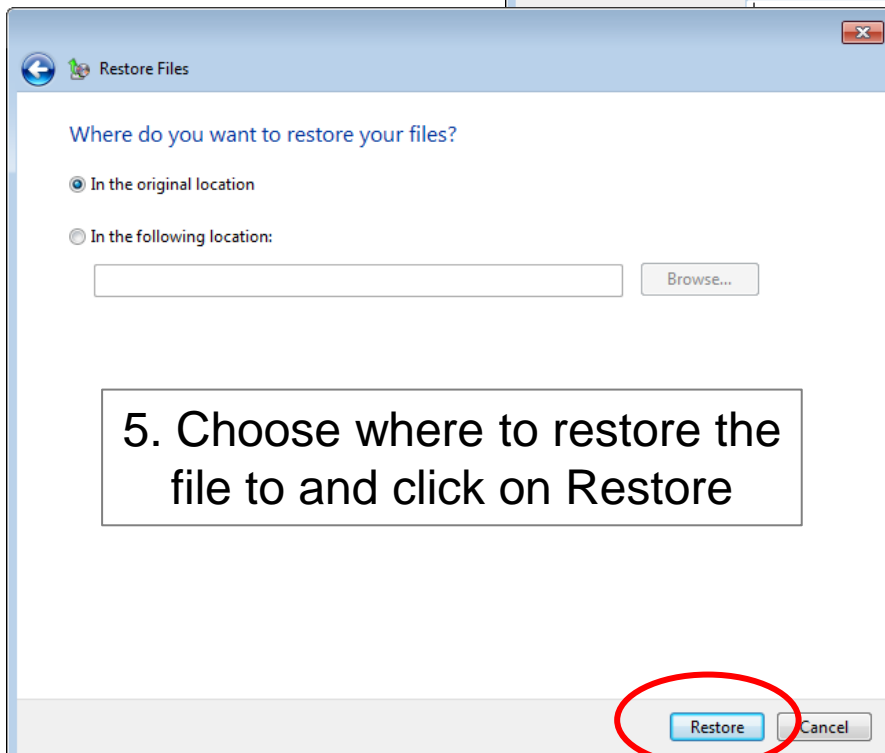
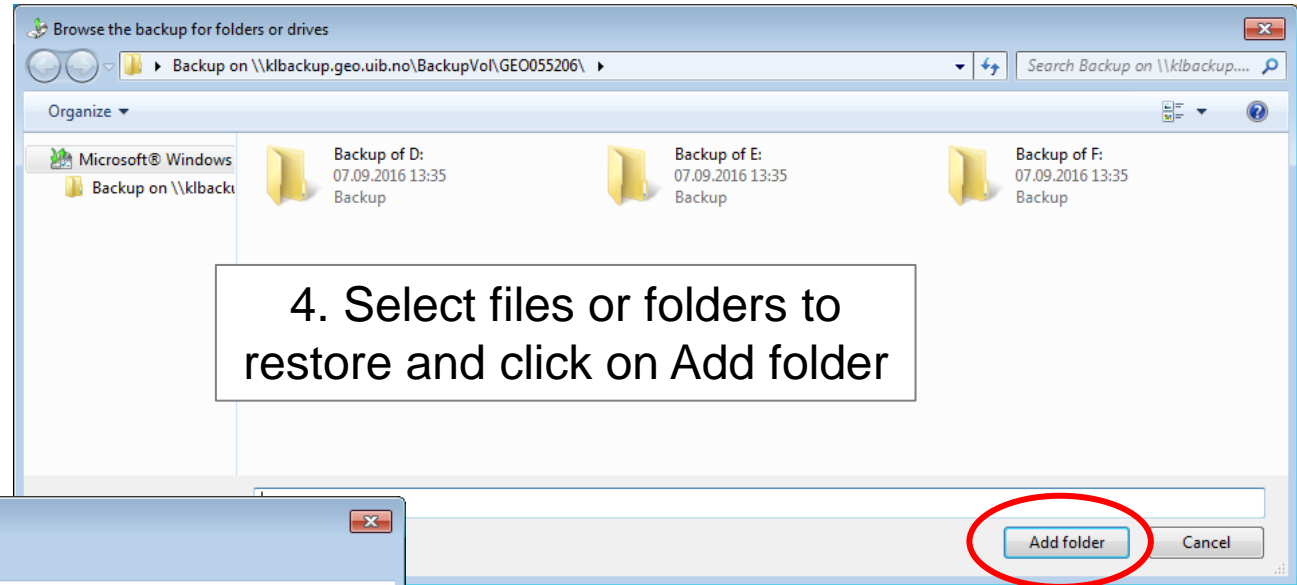
# Restoring files from backup of local hard drives



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



# Restoring files from backup of local hard drives



# Archiving

UiB fileserver:  
all home directories



MSc Project



Backup server



Archive volume



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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.uib.no](https://bs.uib.no)
    - 55584700



# Finally

- This presentation can also be found on :  
[http://www.uib.no/sites/w3.uib.no/files/seismic\\_lab\\_intro\\_0.pdf](http://www.uib.no/sites/w3.uib.no/files/seismic_lab_intro_0.pdf)
- Is this useful?
- Good luck with your projects







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*Department of Earth Science*