

# Introduction

## Term Project

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- Each student will prepare a term paper and present it during student conference. Proceedings will be published.
- Both report and presentation should be in English.
- Choose a critical geomechanical issue for EGS.
- My expectation: term papers may be publishable in the future with additional work.
- Timeline

≈28 Oct	Submission of proposal (~1 p)	10%
≈8 Nov	Presentation of proposal /progress	20%
≈2 Dec	Presentation of final term paper	30%
≈2 Dec	Submission of final term paper (~15 p)	40%

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- Topics of term project: It has to be a critical issue for the EGS
  - Renewability of geothermal energy: How renewable is EGS? And what is the role of geomechanical issues?
  - Predictability of enhanced permeability: is this really universal technology?
  - Reliable estimation of *in situ* stress: is there any hope for better estimation in the future?
  - Hazard of microseismicity: Can we estimate the magnitude of induced microseismicity? What are the critical parameters?
  - Cost of drilling: Is the breakthrough possible in this area dominated by empiricism?
  - Quantifying the uncertainty in EGS: How does the different technical issues combine together to increase the uncertainty?