

# Designing a general abstract configuration format for Geoscience Modeling and Simulation

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## 1 Introduction

Ok so here my research starts, god saves the queen.

My goal is to find an abstract way to define a geoscience simulation modelling problem, where all implementations details are abstracted.

Therefore, I need to make a review on what kinds of problems geoscientists handle and how they describe them.

## 2 Geoscience Problems Review

More content here.

### 2.1 Reservoir Exploitation

Reservoir exploitation includes for example carbon sequestration or oil production.

Defining a reservoir simulation problem is all about listing fluid and reservoirs properties, including their relationship to pressure, temperature and composition. [1]

#### Reservoir properties

- fluid
  - yo

## 3 Hey man

- god that was hard
  - fazfa

### 3.1 Geothermal Energy

#### References

- [1] Matthew Balhoff. “Review of reservoir rock and fluid properties”. In: *Developments in Petroleum Science*. Vol. 75. Elsevier, 2022. Chap. 1. DOI: <https://doi.org/10.1016/B978-0-323-99235-0.00010-5>.