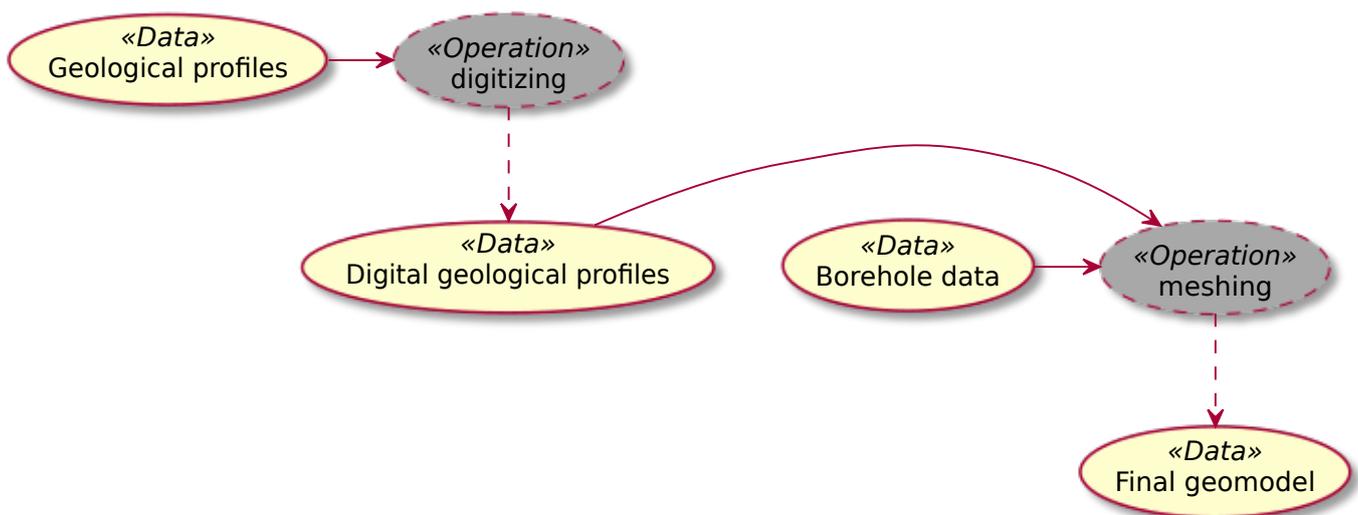IAMG *Student Chapter*
Freiberg & **Dresden**

TALK ANNOUNCEMENT

The IAMG[1] student chapter Freiberg & Dresden[2] will be hosting a talk.

date:	Thursday, 12 December 2019, 5:30 p.m.
place:	TU Dresden, Helmholtzstr. 10
room:	HÜL 485 (meeting room of the geosciences)
title:	**Geohub: A database system for managing reproducible geomodels**
presenter:	**Georg Semmler (TU Freiberg, Institut für Informatik)**

An example graph for constructing a geomodel

Complex geomodels have become a foundation for fundamental decisions, like"How does a system change", "Where to drill for oil" or even "Where do we wantto create a nuclear waste depository". This raises questions like "How can we besure that the model is sufficient realistic?". In order to evaluate this questionyou need to be able to understand how the model was created, especially whichdata were used and how they were combined to create the final model.In order to contribute to those challenges I propose a database system that isable to store, in addition to the final geomodel, all related raw data and howthey are processed to construct the final model. To support as many differentworkflows as possible I have designed a plugin based approach for handlingdifferent kind of data. This allows potential users to extend the system ontheir needs.

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[1]International Association of Mathematical Geosciences (IAMG), https://iamg.org

[2]https://tu-freiberg.de/iamg