



GIGA
infosystems

New applications and projects with GST

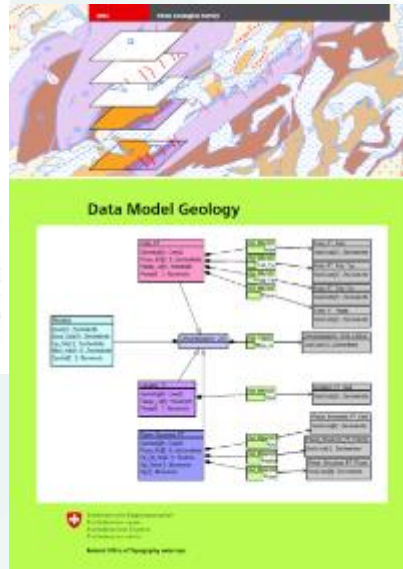
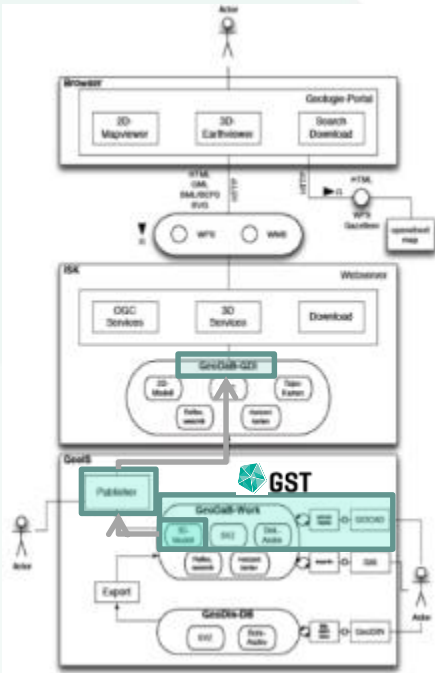
Technology for today's and tomorrow's problems



Today's challenges

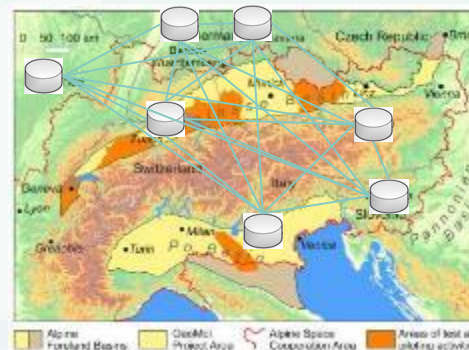
Brandenburg 3D

- * Proof of Concept / Digitization / Preparation & QA / 3D Model / Build Infrastructure



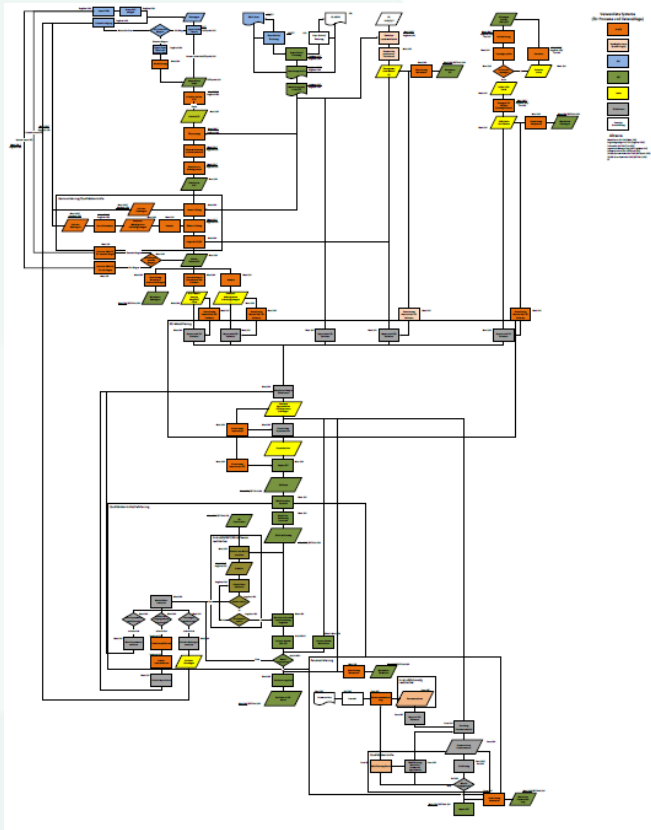
Swisstopo Data Model

- * Integration of data model
- * Constrained Properties



Geosciences in Space and Time

Tomorrow's challenges



Bavaria

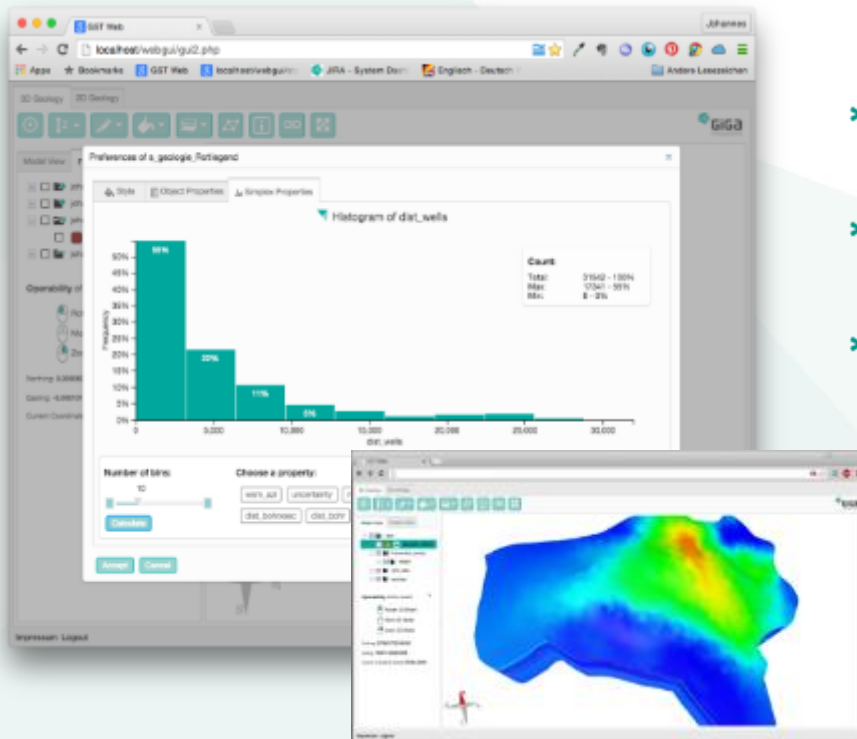
- * Integration into complex workflow
- * Semi-automatic generation of 3D models
- * Quality check via GIS
- * Integration of distinct working groups

Tomorrow's challenges

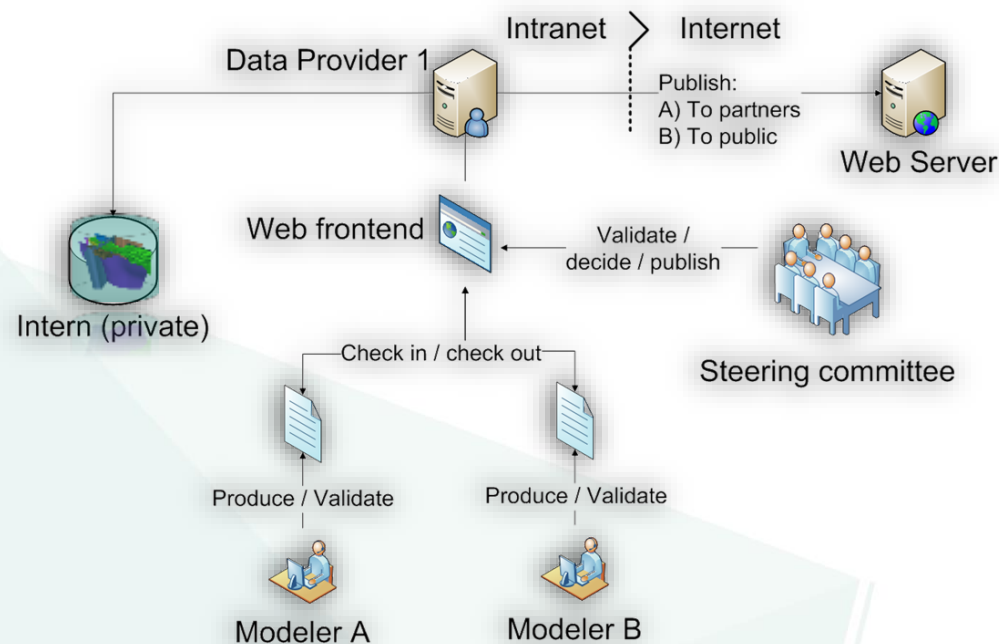


Swisstopo

- * Integration into complex workflow
- * Simplification of Geology representation
- * Increase information transport



What's GST?



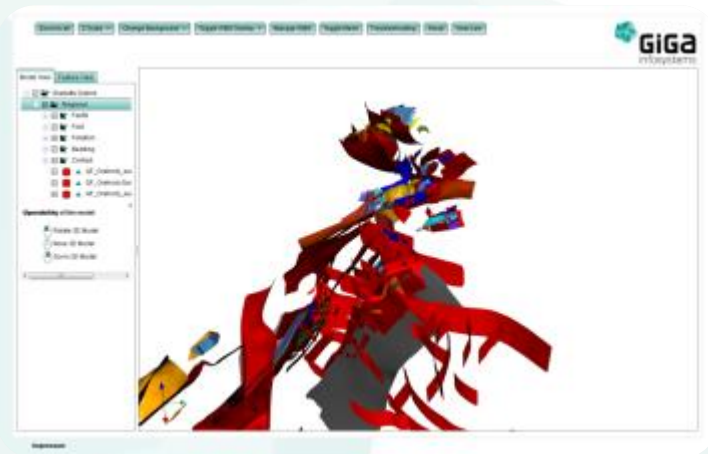
- * Model repository
- * Storage solution for a team
- * Software to realize a Service for 3D Geodata





What's GST?

GST Web



GST Workflow



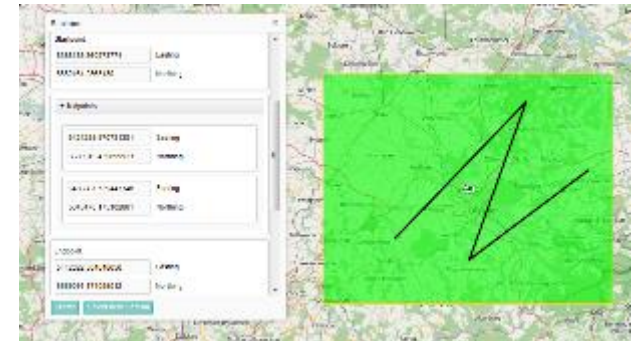
Fig. LBEG

Huge model coverage
Support model updates



Net based exchange

- * Central storage
 - * Up to date data
- * 3D geomodels in cross domain
 - * GIS integration
 - * Connection with City models/BIM
- * Information Service for 3D geology
 - * Quality check
 - * “geo products”: maps etc.





Features

Conclusion

- * Net based model exchange
- * Versioning: Multi User Workflow
- * GIS Integration
- * Compatibility with proprietary systems
 - * Cooperations between GiGa and software vendors
- * **Developed for and together with European Geo Surveys**
- * Geology meets INSPIRE



Thank you!

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