

bryne - prototyping reusable solvers for coupled multiphysics PDE models

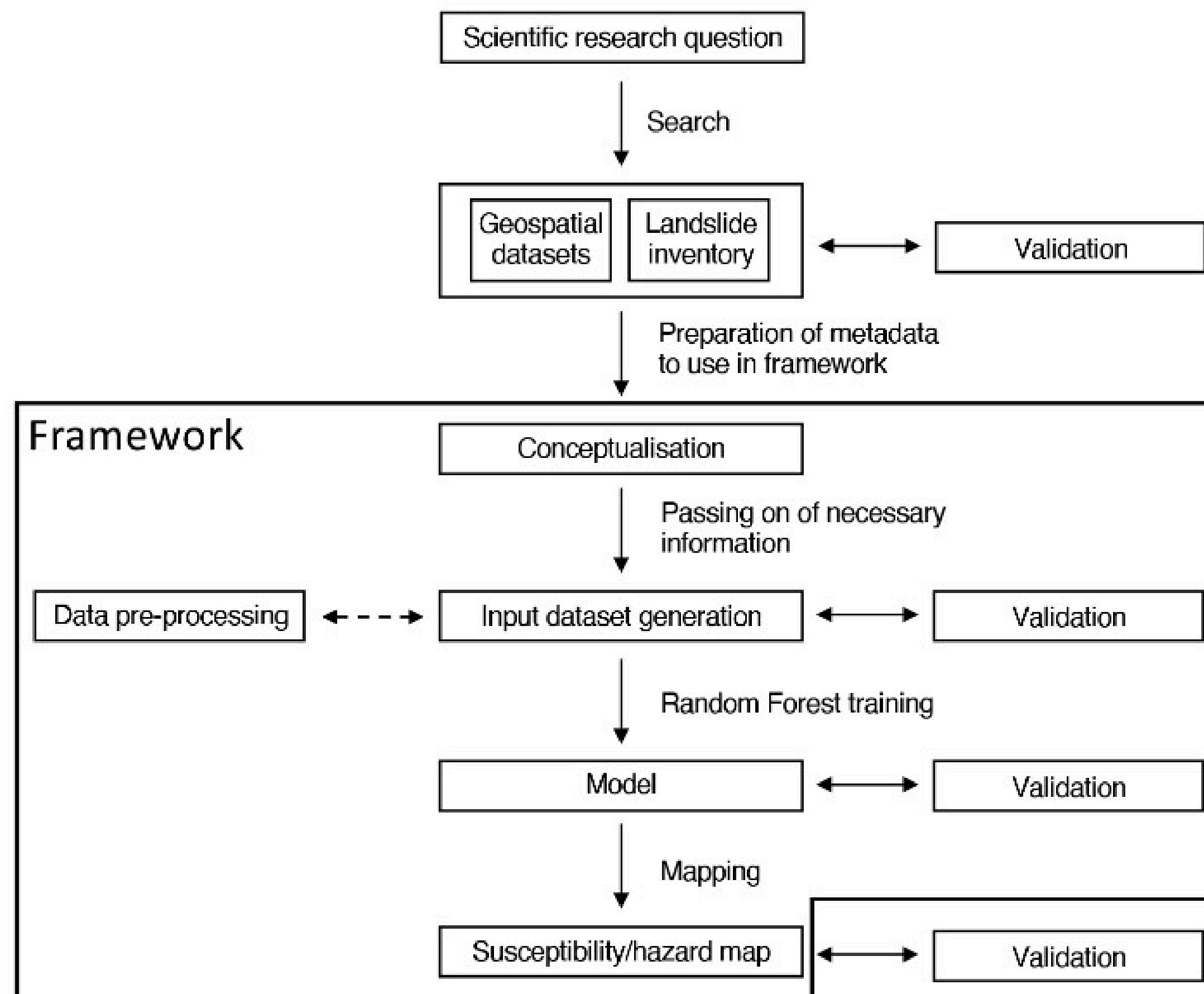
Benjamin Terschanski, Robert Klöfkorn, Andreas Dedner, Julia Kowalski

Chair of Methods for Model-based Development in Computational Engineering, RWTH Aachen University, Germany

FEM, Multiphysics Simulation



Schematic Flow Chart



Features

- handles geospatial data
- probabilistic susceptibility mapping
- shallow landslides
- dataset management
- One-hot or ordinal encoding
- Supports parallel prediction

bryne



Acknowledgments



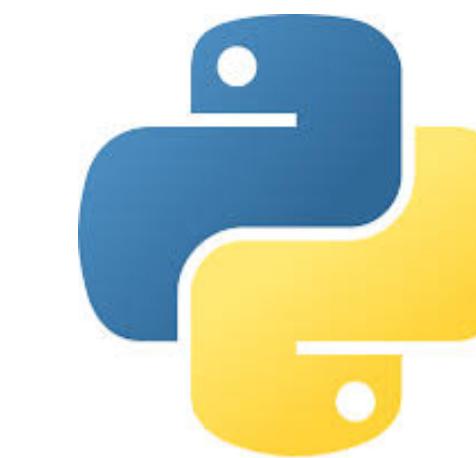
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Framework

Available as plain code and GUI version.)



Python-based modular framework can be complemented with individual modules.

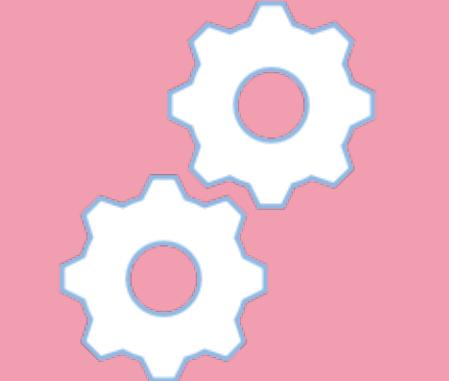
Bibliography

- [1] B. Terschanski, R. Klöfkorn, A. Dedner, and J. Kowalski, “Bryne: sustainable prototyping of finite element models - Software release .” [Online]. Available: <https://doi.org/10.5281/zenodo.15789249>

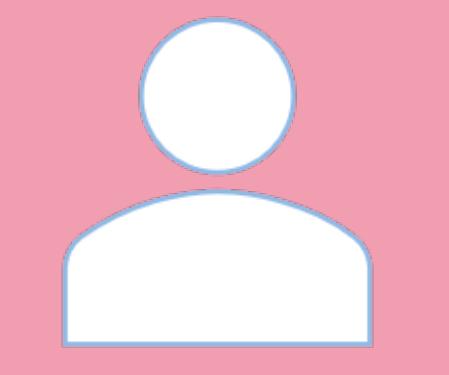
Overview



User Manual



Example



Contact

