



Feedback and Ideas for BASEMENT

What ideas, requests, or challenges do you have regarding BASEMENT?



https://pwa.klicker .uzh.ch/session/d12 ebbfe-2749-4c8fb81d-37e6b2b6a01a

Concepts





Challenges and Workflow

Problems with erosion at upstream boundary for large slopes

Getting started with BASEMENT

Integration of structures
in the mesh (basemesh) ->
 check iber or hecras

Finding errors during meshing process

Integration of culverts
und obstructed/overflown
bridges, effect of
downstream (use of HECRAS)

More user-friendly visualisation tools for basechain than the python code (e.g., cross-section and length profile evolution with time of water height, sediment deposition, etc) Instabilities during
simulations of steep
slopes (> 0.025)

BASEmesh performance for large meshes is relatively slow compared to the modelling with BASEHPC - what are the main driving factors for long meshing times?

Documentation

Better documentation for BASEmesh

Application oriented concepts

Better documentation for result H5 files

Workshops for knowledge transfer

Video and tutorial for new users would be great



Feature Requests (1)



Feature Requests (2)





Feature Requests (3)

A prioritized list of the feature requests will follow!

Summary

Features requests addressing critical needs of the

broader community may be prioritized

Development of specific features can be accelerated

through monetary support

Active code contributions from the community can be

negotiated, but all code rights remain with ETH Zurich







Thank you for helping us improve!