

# WORKSHOP

AMR User Stories

David Knapp



# How will I push AMR-techniques forward?

The diagram features two large, solid blue circles positioned side-by-side in the center of the slide. The left circle contains the word "Problems" and the right circle contains the word "Solutions", both in white text.

Problems

Solutions



# A HIGHLEVEL VIEW ON AMR

A „typical“ AMR Workflow



„During the problem definition nobody thinks about AMR,  
but without AMR nobody can solve it“

„My AMR techniques do not support arbitrary elements,  
but my mesh-generator generates exotic polygons“

„Coupling with library xyz is a nightmare“

„Can I use AMR-Datastructures to visualize my results?“

„There is no conference specialized on AMR, where I could present my results“



# My workflow is completely different



- Tell us! What is your workflow and why is it your workflow?
- Where are your pain points?

- Presentation of the key insights of each aspect
- Eventually: Problem focussed development of the next generation of AMR Solutions