



Ali AJAMI

PhD (2023-2026)

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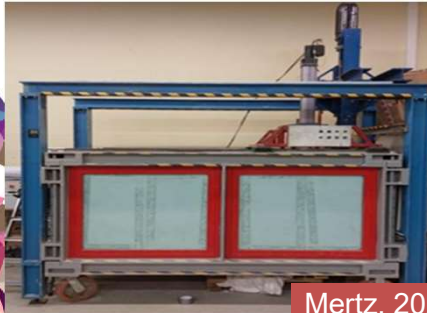
Reduction of conservatism in the design of buried pipelines in service conditions using experimental and numerical approaches

Supervision: Fabrice EMERIAULT
Orianne JENCK
Christophe DANO
Antoine MERTZ

Funding: GRTgaz

Experimental investigation

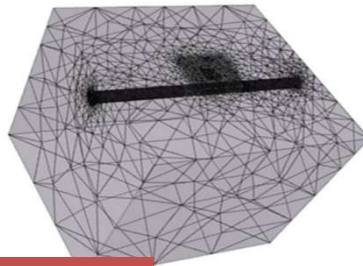
- ✓ Confirm vertical stress distribution.
- ✓ Investigate pressurized vs. non-pressurized pipeline behavior.



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Numerical modelling

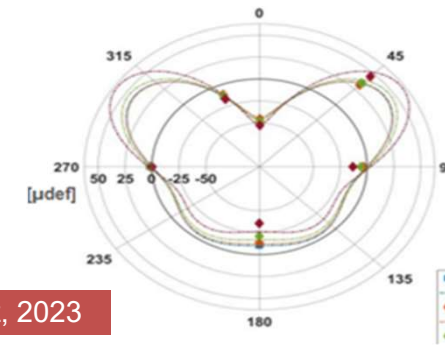
- ✓ Develop numerical model at reduced scale using FLAC2D-3D
- ✓ Compare simulations with experimental results.



Neves et al., 2019

Integration into RAMCES

- ✓ Implement recommendations into RAMCES.
- ✓ Validate through new experiments and simulations.



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