

# Building high-quality model transformations with **AnATLyzer**

**Jesús Sánchez Cuadrado**

University of Murcia

jesus.sanchez.cuadrado@gmail.com

@sanchezcuadrado

# Resources

- Resources for the tutorial
  - <https://github.com/jesusc/analyzer-models17>
- AnATLyzer website
  - <https://github.com/jesusc/analyzer>
  - <http://sanchezcuadrado.es/projects/analyzer>



# Plan

- Introduction to ATL ( $\approx 30$  min.)
  - Using uml2gui as example
- AnATLyzer ( $\approx 1 - 1.30$  hour)
  - Using uml2gui\_errors as example
- Hands-on exercise ( $\approx 30 - 45$  min.)
  - Extending uml2gui
- API & Extending AnATLyzer
  - Launching AnATLyzer programatically
  - Creating your own analysis and quick fixes

# Takeaways

- Learn how to use AnATLyzer effectively
- Improve your knowledge about common causes of bugs in ATL
- Increase awareness about the need of (static) analysis in model transformations