1. CONTEXT

- Large volume of data: 300000 requirements for A380.
- Requirements and models evolve constantly.
- Requirements and models are build with heterogeneous modelling languages.

2. CHALLENGES

3. OBJECTIVES

- Trace links are generally created among requirements, design, source code, test cases and other artifacts.
- Automated approaches tend to deliver imprecise and inaccurate results.
- In order to improve automated approaches, we are learning a discriminative model of traceability links.
- We also need to maintain the validated links during the project lifecycle.

4. PROPOSITION

The approach aimed at learning a discriminative model of traceability links (i.e., characterize true and false links). To do so we use complementary traceability methods and the confident value attribute to all links define its class (true or false).

5. FUTURE WORK

- Identification of implicit links:
  - Formalize the implicit and potential need of stakeholders.
- Maintenance of validated links:
  - Impact analysis.
  - Cost estimate of a change.

REFERENCES