

Welcome

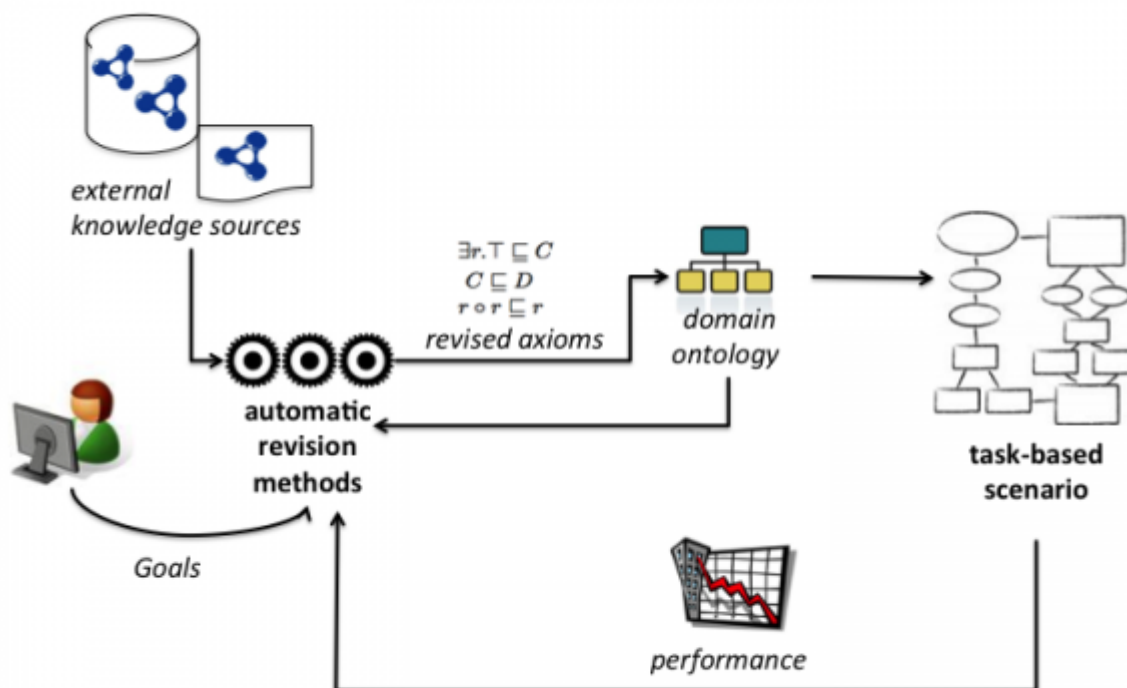
Welcome at the website of the project **ARISTOTELES: Methodology and algorithms for Automatic ReVISION of onTOlogies in TAsk basEd scEnarioS** funded by the [National Science Center Poland](#) under the grant number UMO-2014/13/D/ST6/02076 (2015-2018).

The scientific problem to be solved by the project is the development and experimental evaluation of a methodology for automatic revision of ontologies based on the performance of the processes accomplishing tasks in which ontology is used in task-based scenarios.

Two types of scenarios will be considered:

- meta-mining for automatic data mining workflow construction
- dialog systems

The main idea of the project is illustrated in the following figure:



Team

[dr Agnieszka Ławrynowicz](#) (Principal Investigator)

[dr C. Maria Keet](#) (External Co-Investigator)

Michał Robaczyk (PhD Student)

Piotr Jakubowski (PhD Student)

Publications

1. C. Maria Keet and Agnieszka Ławrynowicz, Test-Driven Development of ontologies (extended version), Technical Report, arXiv.org [*.pdf](#)
2. C. Maria Keet and Agnieszka Ławrynowicz, Test-Driven Development of ontologies, Extended Semantic Web Conference 2016, LNCS, Springer (in press)
3. Agnieszka Ławrynowicz and C. Maria Keet, The TDDonto Tool for Test-Driven Development of DL Knowledge Bases, Description Logics workshop 2016 (DL2016) (in press)
4. Piotr Jakubowski and Agnieszka Ławrynowicz, Extending FrameNet to Machine Learning Domain, Know@LOD 2016 workshop, co-located with ESWC2016 (accepted)

Supplementary material for papers 1,2,3: the results of the tests described in the report ABox versus TBox ([*.zip](#)) and OWL API versus SPARQL-OWL TBox ([*.zip](#)), tested ontologies [*.zip](#)

Resources

TDDOnto plugin

TDDOnto plugin can be downloaded from [here](#).

Place the plugin in the plugins folder of Protégé 5.0. It can then be invoked from the Protégé menu Window→Views→Evaluation views→TDDOnto.

ML Framenet

Frames structures and corpus of annotated sentences may be found at: [MLFrameNet](#)

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