

ANR JCJC InSciM

Modelling Uncertainty in Science

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Meeting 06/2023



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universitaire
de France**

- 1 **Progress Report**
- 2 Presentation of Results
- 3 Updated Work Plan
- 4 What's next?

- 1 State of the art (initial report and ongoing work)
- 2 Data Management Plan (@ 6 months)
- 3 Datasets: harvesting and cleaning of data, segmentation.
- 4 Creation of an annotation framework using 5 dimensions.
- 5 Manual annotations of the dataset.
- 6 Creation of rules (work in progress).

- Mobility of 3 months funded by the Region Bourgogne Franche-Comté to visit GESIS, Leibniz Institute for the SSH at Cologne, Germany.
- Work in collaboration with Dr Philipp Mayr: processing a dataset in the Social Sciences.
- Joint publication at EEKE workshop, JCDL 2023.

Ningrum, Panggih Kusuma & Atanassova, Iana. (2023). "Dataset for Multidisciplinary Uncertainty Mining - ver1 (Version 1)" [Data set]. *Zenodo*. <https://doi.org/10.5281/zenodo.8024787>

Ningrum, P. K., Mayr, P., Atanassova, I. (2023) "UnScientify: Detecting Scientific Uncertainty in Scholarly Full Text". In *Joint Workshop of the 4th Extraction and Evaluation of Knowledge Entities from Scientific Documents (EEKE 2023) and the 3rd AI + Informetrics (AI2023)*, part of the ACM/IEEE Joint Conference on Digital Libraries. 26 June 2023.

Ningrum, P. K., Atanassova, I. (2023) "Scientific Uncertainty: an Annotation Framework and Corpus Study in Different Disciplines". In *19th International Conference of the International Society for Scientometrics and Informetrics (ISSI 2023)*, Bloomington, Indiana, US. 2-5 July 2023.

- Project website: <https://project-inscim.github.io/>
- First demo: UnScientify (improvements in progress)
<https://bit.ly/unscientific-demo>

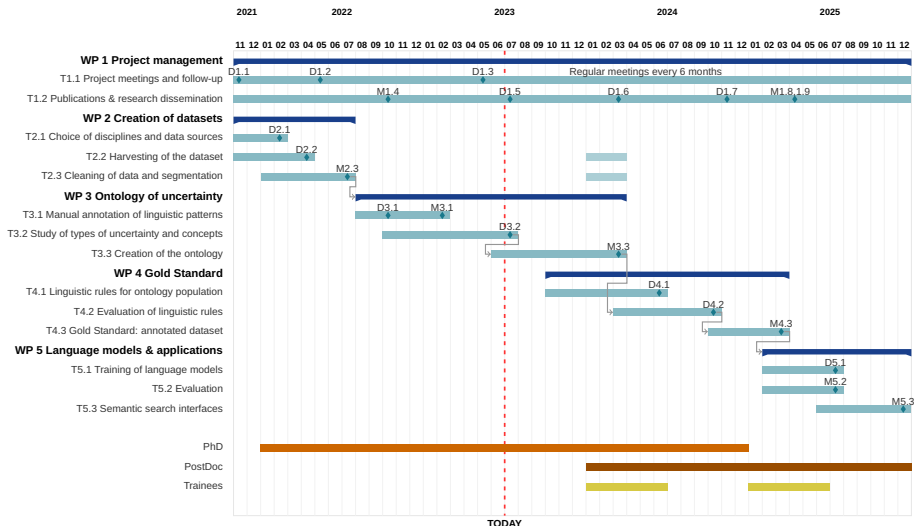
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Presentation of Results

... presentation by Ningrum.

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Work Plan (updated)



New end date: 12/2025 (attending confirmation)

- 1 Progress Report
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- Progress report @ 18 months
- Updating the Data Management Plan
- Improvement of the linguistic rules
- Creation of the ontology for Semantic Web

Organising a **workshop on uncertainty in science** (M1.4) in the autumn of 2023 at Besançon:

- Disciplines: epistemology, philosophy of probabilities, history of science, and linguistics + presentation of the objectives of the project.
- Objectives: inform the community about the project and enrich the participants' research perspectives with external points of view on the notion of uncertainty.
- Morning: presentations
Afternoon: discussions and brainstorming session around the concepts related to uncertainty and the implications of this research to other fields of study.

Date? Participants?

Thank you!

Questions and discussion