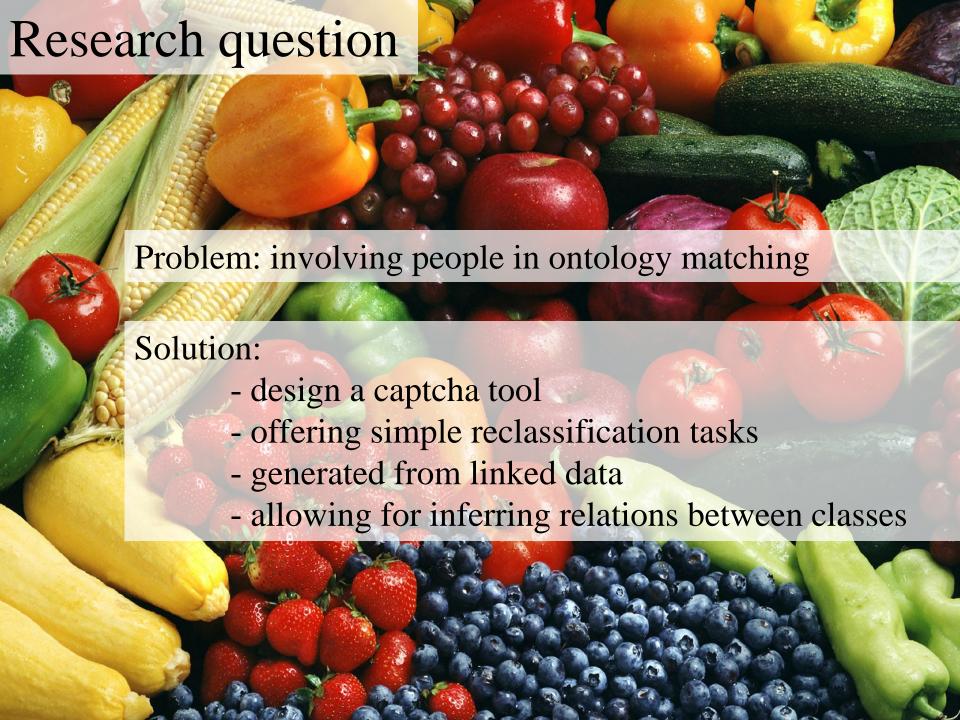
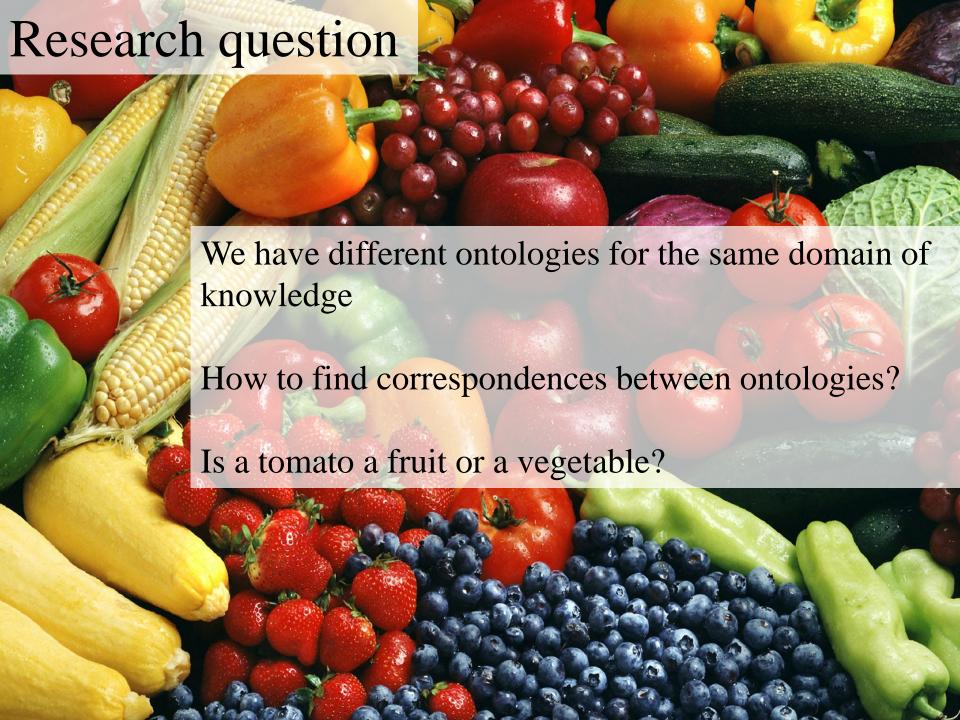
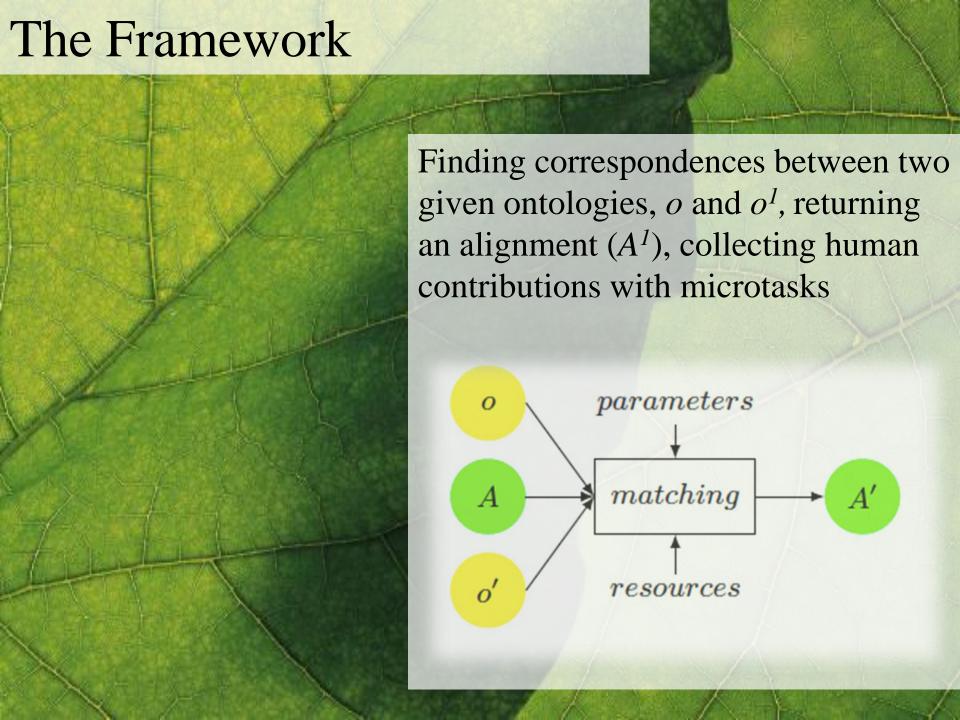


A. Antonini, M. Fiorelli, M. Fumagalli, L. Humphreys, T. Tang – Tutor: J. Euzenat











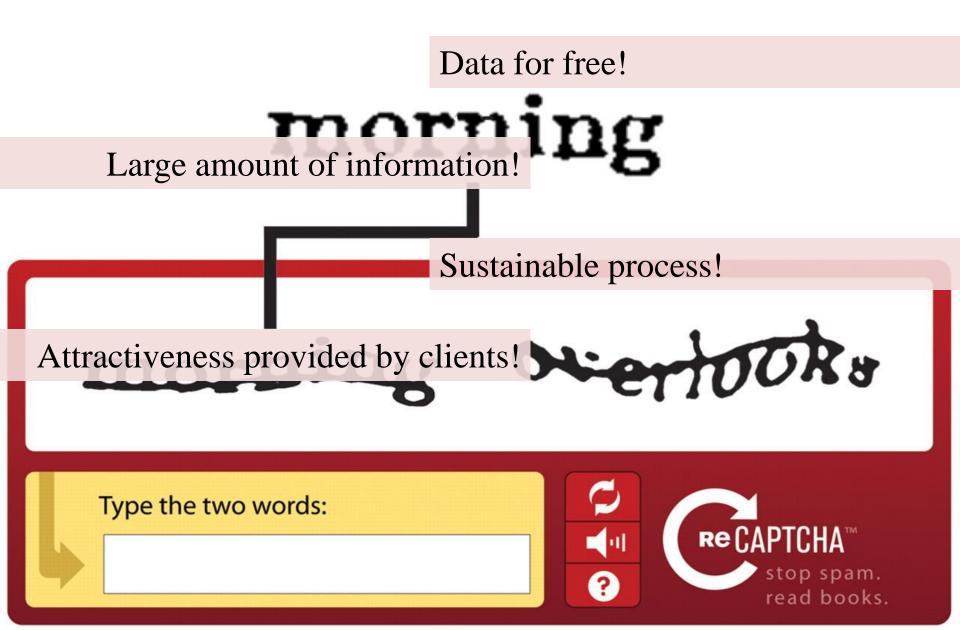
Finding humans who perform tasks is a hard challenge

They need incentives.

Mechanical Turk: need money...

Game with a purpose: need to be engaging...

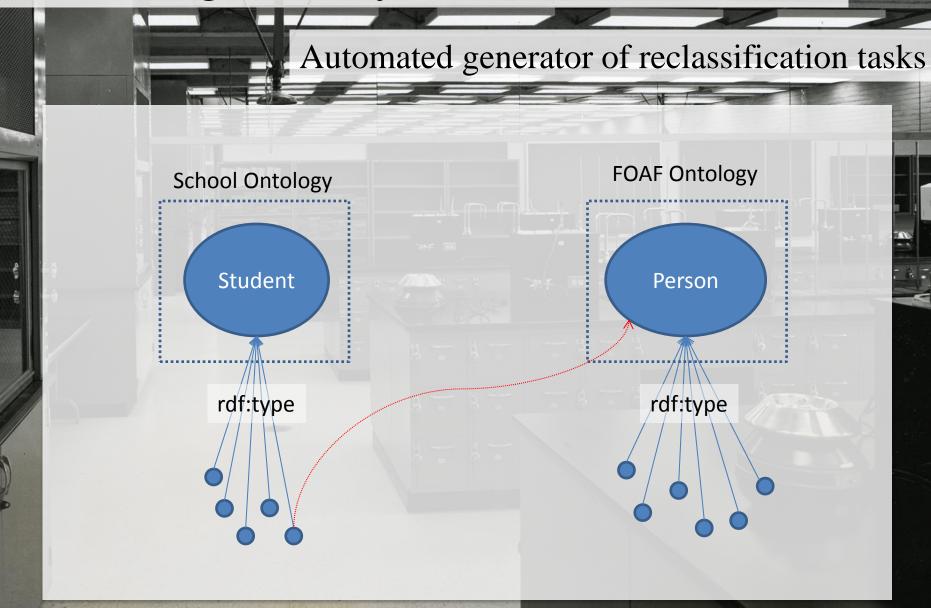
Our Proposal: Access Control Service



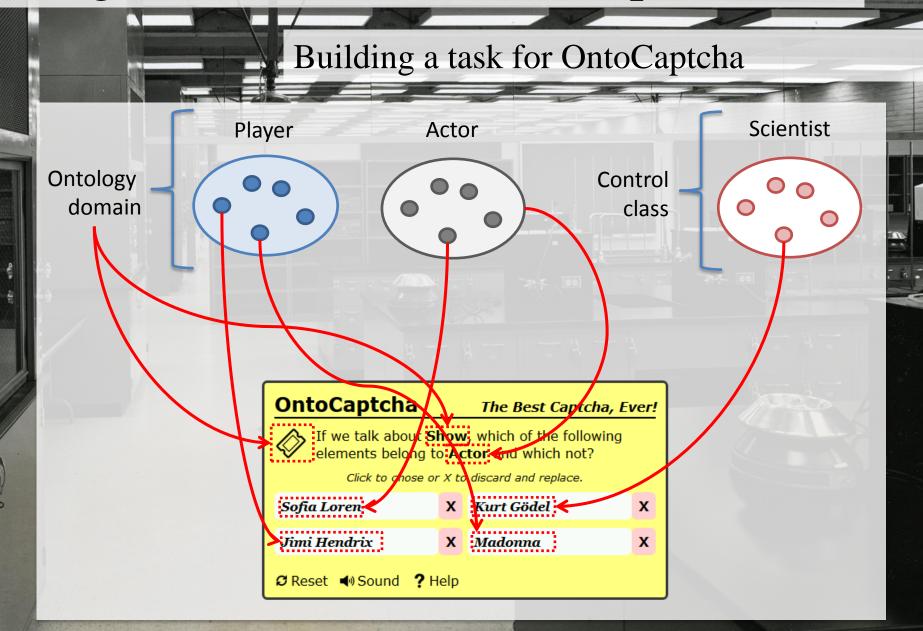
Our Proposal: OntoCaptcha

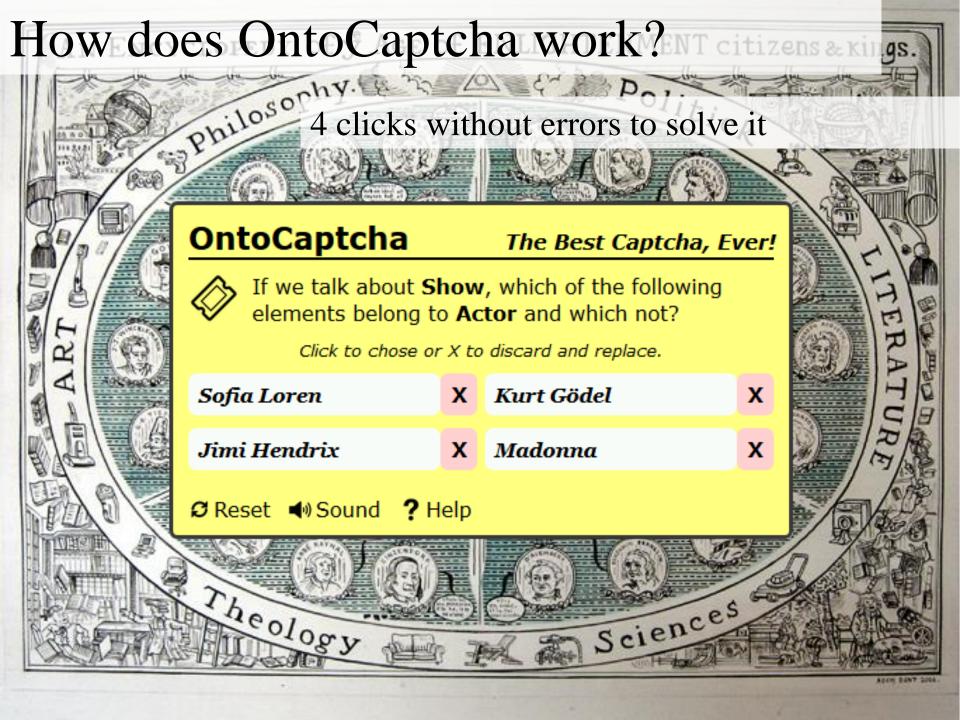


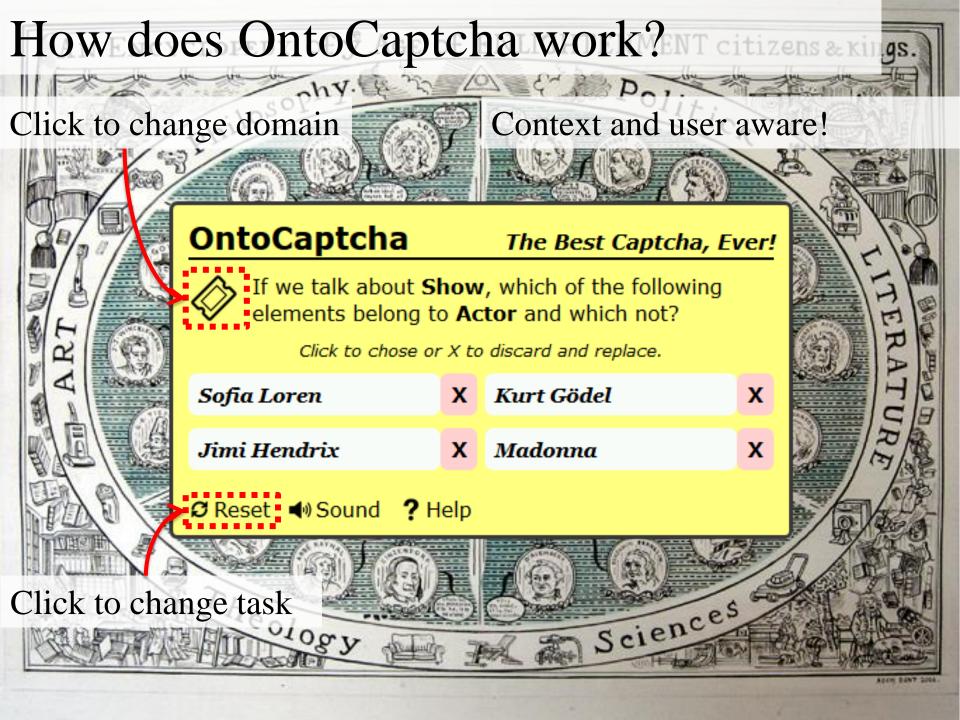
Task design: entity reclassification



Design: from tasks to OntoCaptcha







How does Onto Captcha work? Philosophy. Click to choose an «actor» OntoCaptcha The Best Captcha, Ever! If we talk about **Show**, which of the following elements belong to **Actor** and which not? Click to chose or X to discard and replace. Kurt Gödel Sofia Loren Jimi Hendrix Madonna Theology Sciences

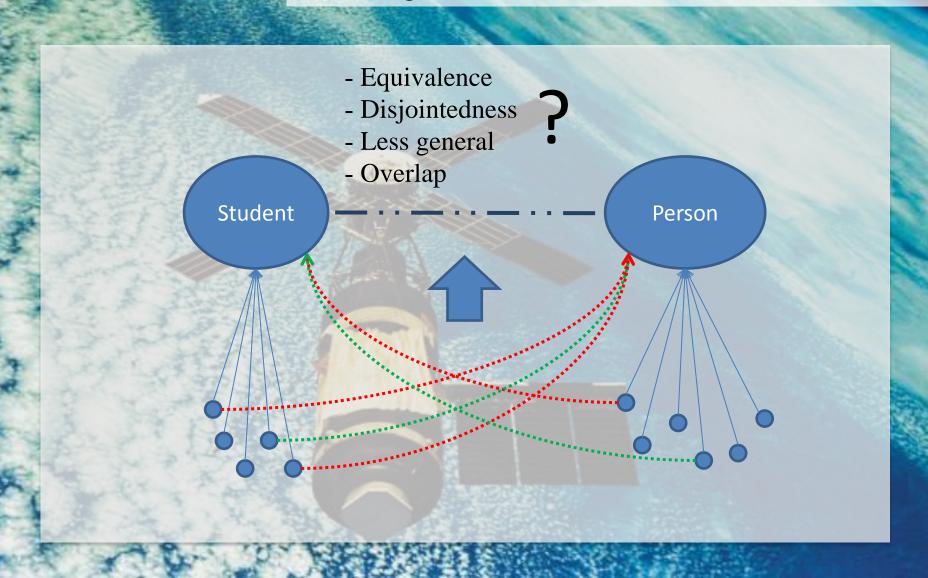
How does Onto Captcha work? Philosophy. Options are replaced after being used **OntoCaptcha** The Best Captcha, Ever! If we talk about **Show**, which of the following elements belong to **Actor** and which not? Click to chose or X to discard and replace. Sylvester Stallone Kurt Gödel Jimi Hendrix Madonna Theology Sciences

How does Onto Captcha work? Philosophy. Positive associations OntoCaptcha The Best Captcha, Ever! If we talk about **Show**, which of the following elements belong to **Actor** and which not? Click to chose or X to discard and replace. Kurt Gödel Silvester Stallone Jimi Hendrix Madonna Х Theology Sciences

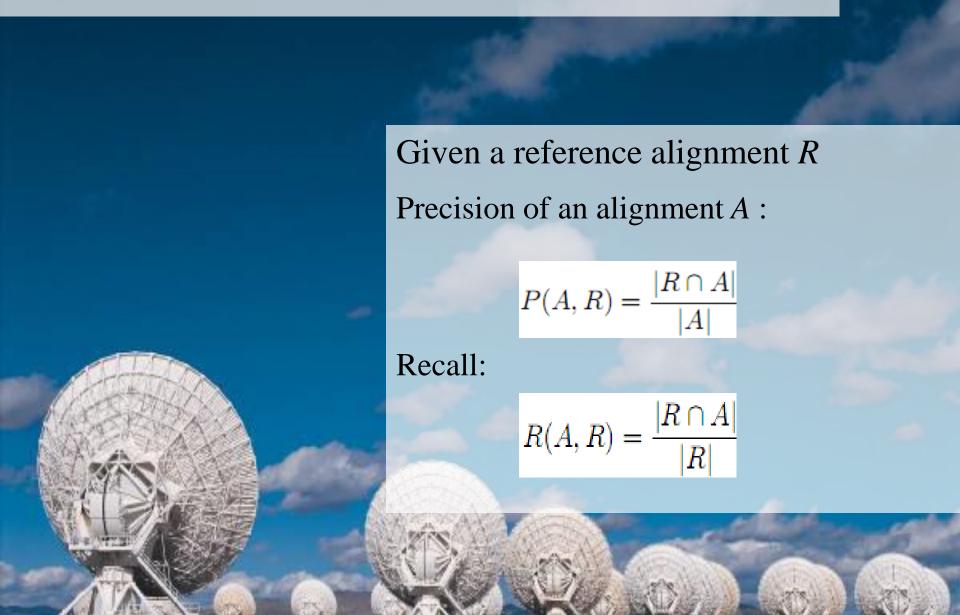
How does Onto Captcha work? Philosophy. Regative associations OntoCaptcha The Best Captcha, Ever! If we talk about **Show**, which of the following elements belong to **Actor** and which not? Click to chose or X to discard and replace. Silvester Stallone Kurt Gödel Jimi Hendrix Madonna Theology Sciences

How do we use collected data?

Inferring class relations from task results

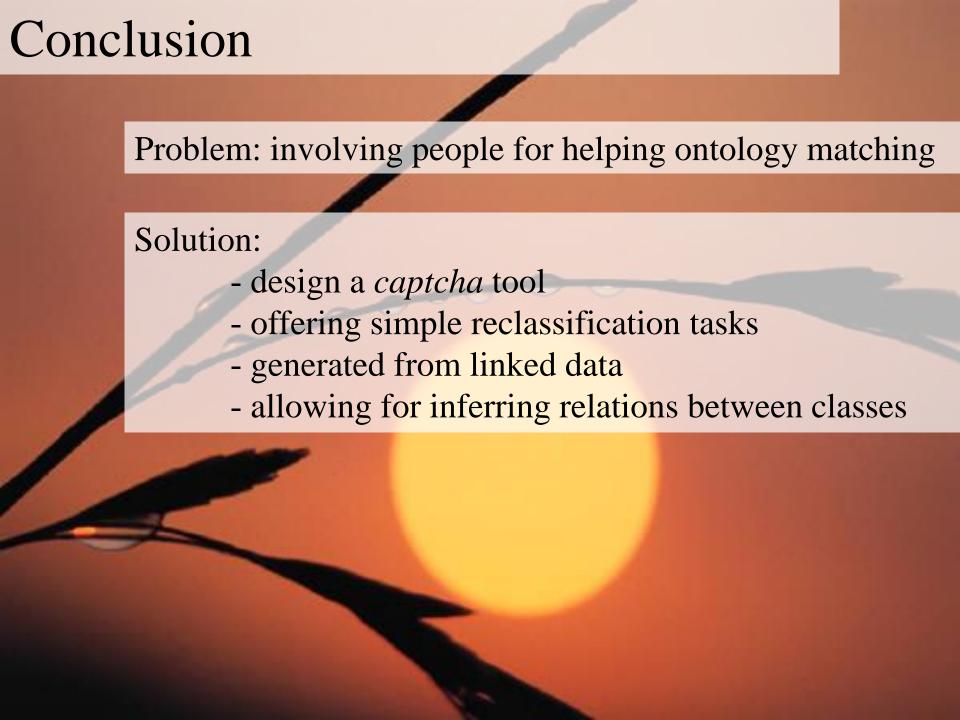


Evaluation





- Generating the next microtask depending on previous answers.
- Providing users more information about the context.
- Selecting the good users based on their profile and performance history.



Conclusion

Problem: involving people for helping ontology matching

Solution:

- design a captcha tool
- offering simple reclassification tasks
- generated from linked data
- allowing for inferring relations between classes

So... tomatoes are vegetables. NO TAX!