



STI · INNSBRUCK

# Semantic Web Services – PS

Semester Projects



1. JSON-LD Generator (~ 2 students)
2. Scraping and packaging external sources
  - Schema.org sources (~ 3 students)
  - Linked open data sources (~ 3 students)
3. ONLIM API (~3 students)
4. CMS Extensions for Schema.org offer annotations (~3 students)
5. Mobile Client for consumption of the offers(~2 students)

- A form based tool similar to FOAF-o-matic.
- The output of the tools must be a JSON-LD describing a touristic service with Schema.org concepts and properties.

- Schema.org annotation sources
  - Creating a touristic service repository by scraping Schema.org annotations from web pages.
- Linked open data sets
  - Creating a touristic service repository by retrieving and integrating data from various linked open data sources

- Automatic content creation for social media posts out of semantically annotated offers



- Set of extensions for annotating content about the touristic services with Schema.org
- Automated API creation based on the structured content

- An end user application to consume packaged services
- A client communicates with the service provided by service packaging project

- Investigating the Schema.org vocabulary to find out which concepts and properties are suitable for the context of our projects
- Example: Event, Offer, BuyAction etc.
- Deadline: 28 March 2016 23:59