



#OPENTOURISM - LINKED OPEN DATA PUBLISHING AND DISCOVERY WORKSHOP

- <http://2016.openbelgium.be/session/opentourism-linked-open-data-publishing-and-discovery-workshop>
- **Time:** 15h30-17h00
- **Location:** Scaldis Room
- **Level:** Intermediate
- **Type:** Workshop

Start notes here:

Open tourisme: a community supporting digital creativity in Tourism

Cause and context by Raf Buyle (Open Knowledge)

- Need for the same service in different places around the world
- Information can't be reused without analyzing the data
- What we need? More machine-readable data (common language)
- 1^{er} step: innovation projects: open standard for tourism vocabulary
 - o scope of applications: engage community -> priorities as data producer and data consumer.
 - o Organizing working groups who are responsible for 1 domain.
 - o "Westtoer" is the first that can put out data with these open standard tourism specifications
 - o Hackaton 5 maart (<http://www.mobielegidsen.be/hackaton>)
 - o Community meeting on the hackaton
 - o <http://tourism.openknowledge.be>
- Road ahead
 - o vocabulary to international level:
 - o integrating with "Open standards for linked governments"
 - o <http://w3id.org/ost/spec>





Getting started with the open tourism specifications

- which domains are covered?
 - o Offering
 - o Availability (address, location, opening hours)
 - o Demand (statistics, reports, ...)
 - o Experience (tripadvisor, booking.com)

Publishing and Consuming Linked tourism data by Anastasia Dimou

- What is the semantic web?
 - o Is the extension of www, enables sharing content, allows machines to understand the information
- What is linked data?
 - o Standardized way of expressing the relationship between data
- How is open data published?
 - o The datatank (open source tool to publish data)
- How is linked data published?
 - o Resource Description Framework (RDF) "subject-predicate-object"
- Sets of triples have repetitive patterns
- Linked data generation approaches:
 - o Case-specific solutions:
 - o Format/source specific
- Why not uniform approach?
 - o RDF Mapping Language (RML)
 - § Generic scalable mapping language for generating and interlinking RDF data
- Defining the mappings:
 - o Subject map – predicate map – object map
 - o Extraction module -> modeling module
- Editing mappings: semantic web experts vs data specialists
 - o Modeling domain knowledge
 - o Data context



Geo > open by Geraldine Nolf (Flemish Information Agency)

- Geo data in flanders
- Musts (iso, inspire, sdi-flanders, ...)
- Must have describing metadata
- Geoportal: <http://www.geopunt.be>
- Open data portal in flanders should follow its manual
- Metadata: describe 1 time: multiple uses (multiple portals) \$

Open Discussion

- What do you think of the open tourism vocabulary?
 - o Combination of meteo data
 - o Who is going to invest time/money to transform technology
 - o A Lot of data but it is expensive to analyse data
- Possible to explore using linked data?
 - o With a bit of help it is possible.

