

The 3rd ESWC Summer School

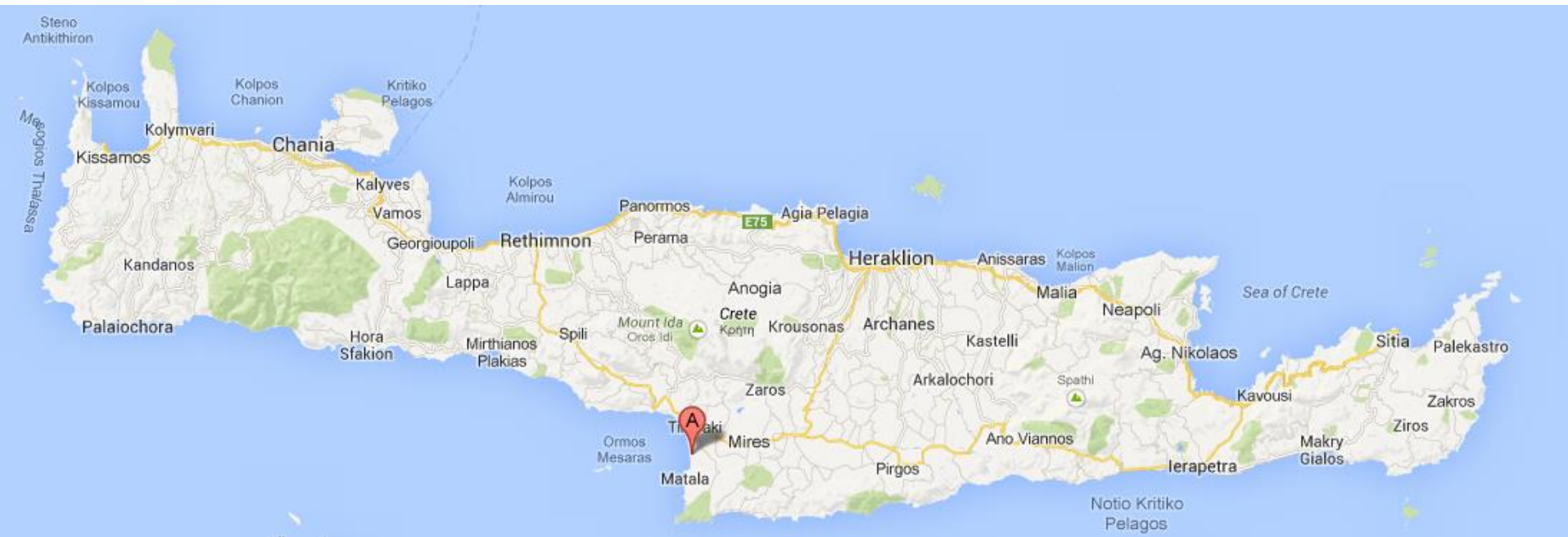
John Domingue

Knowledge Media Institute, The Open University, UK &
STI International

Kalamaki, Crete, September 2013
<http://summerschool2013.eswc-conferences.org/>

WHERE ARE WE?

Crete



Sea

1

2



X



1 Breakfast Notia Ammos
2 Lunch Diogenis

Kalamaki and Baby Turtles



WHY ARE WE HERE?

- KnowledgeWeb Network of Excellence
 - Summer school in Cercedilla (est. 2003)
 - ESWC Conference (ESWS) (est. 2004)
- REVERSE Reasoning Summer School (est. 2005)
- Asian Semantic Web School (est. 2007)
- Semantic Computing Summer School in Berkeley (est. 2009)
- 1st ESWC Summer School (2011)

Developing the next SW generation

AI Ten to Watch



Marta Sabou
MODUL University
Vienna



Mathieu d'Aquin
The Open University



Tom Heath
Talis



Becoming (very) Famous Semantic Web Scientists

- Semantic Web research area
 - Technical knowledge and skills
- Non-technical knowledge and skills

NON-TECHNICAL KNOWLEDGE AND SKILLS

- Communication skills
 - Presentation skills
 - Communication in meetings
 - Communication with your supervisor/boss/staff/peers
- Collaboration skills
- Leadership skills
- Social skills
- Sunny dispositionness



HOW ARE WE GOING TO ACHIEVE THIS?

Organisational Support



Aneta Tumilowicz
Administration



Fabian Flöck
Community Manager

Learning by doing, interacting and critiquing

- Practical, constructivist orientation
 - **Tutorial sessions** are followed by **hands-on practical sessions**
 - Students produce their own work in a **mini-project**
- Intensive interaction with peers and experts
 - Both informally and through formal events, such as mini-project and **poster session**
- Formal tutorial and practical sessions augmented by **invited talks** of a broader nature by recognised authorities in the field

The Tutors



Aiden Hogan

Intro, Querying, SW Languages & standards



Jarred McGinnis

Intro, Querying, SW Languages & standards



Marko Grobelnik

Big Data Mgt & Analytics



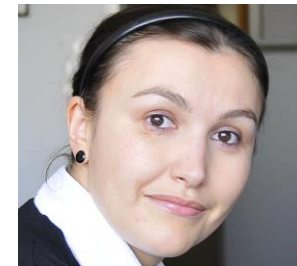
Maribel Acosta

Providing, publishing and consuming Linked Data



Barry Norton

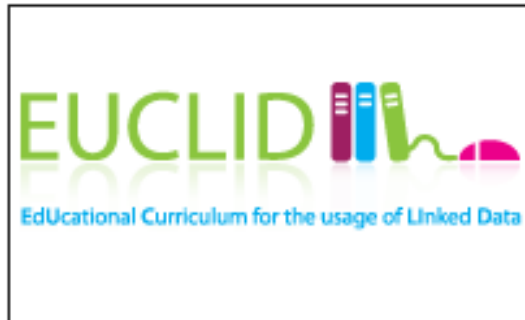
Providing, publishing and consumption



Elena Simperl

Building and Using Ontologies
Posters

Euclid Project Learning Resources



EUCLID is a European research project, facilitating professional training for data practitioners, who aim to use Linked Data in their daily work. EUCLID delivers a curriculum implemented as a combination of living learning materials and activities (eBook series, webinars, face-to-face training), validated by the user community through continuous feedback.

<http://www.euclid-project.eu/resources/learning-materials/>

Euclid Project Webinars

EUCLID Module 1: [Introduction and Application Scenarios](#)

This module introduces the main principles of Linked Data, the underlying technologies and background standards. It provides basic knowledge for how data can be published over the Web, how it can be queried, and what are the possible use cases and benefits. As an example, we use the development of a music portal (based on the MusicBrainz dataset), which facilitates access to a wide range of information and multimedia resources relating to music. The module also includes some multiple choice questions in the form of a quiz, screencasts of popular tools and embedded videos.

eBook

HTML

iBook

ePub

Kindle

Course (includes screencasts and exercises)

HTML

iTunesU

Slides

Webinar I

Webinar

II

1.1 Introduction

The last
which ex
technolog
linking t
exploit
standard
allowing
querying

Movie 1



Dr Barry
music po

This chapter introduces Linked Data and related semantic



in web
a music
s access
relating

ling of:
the RDF

scenario

Keynote Speakers



Stefan Decker

DERI National University of Ireland
Galway



Steffen Staab

University of Koblenz-Landau



Kieron O'Hara

University of Southampton



Vassilis Christophides

University of Crete



Marko Grobelnik

Josef Stefan Institute

- Co-ordinated by Fabian Flöck
- Collaborative work in groups of 4 or 5
- Key component of implementation of constructivist/hands-on ethos
- Key objectives
 - Explore a research issue in some depth
 - Experience collaborative work under time pressure
 - Have fun
 - Maybe win a prize
 - Student presentations (10 min per group) on Saturday am
 - Presentations to Fabian by Dinner on Friday!



Mini-Project: What we ask from you

- Be creative!
 - Focus on idea generation and functional design, rather than implementation
 - Get approval from a tutor!
- Collaborate with your team members
- Best projects tend to focus on interesting and novel application of semantic technologies

- Cregan, A., Mochol, M., Vrandecic, D. and Bechhofer, S. (2005) *Pushing the limits of OWL, Rules and Protege - A simple example*. In Bernardo Cuenca Grau, Ian Horrocks, Bijan Parsia, Peter Patel-Schneider, OWL: Experiences and Directions, Co-located with ISWC 2005, Galway, Ireland, November, 2005
- Mochol, M., Cregan, A., Vrandecic, D. and Bechhofer, S. (2008) *Exploring OWL and rules: a simple teaching case* International Journal of Teaching and Case Studies (IJTCS), 1, (4), Seiten 299 - 318, November, 2008
- Tanasescu, V. and Streibel, O. (2007) *Extreme Tagging: Emergent Semantics through the Tagging of Tags*. Workshop: International Workshop on Emergent Semantics and Ontology Evolution (ESOE 2007), in conjunction with the ISWC 2007 Conference, Busan, Korea.
- Thalhammer, A., Ermilov, T., Nyberg, K., Santoso, A. and Domingue, J. (2011) *MovieGoer - Semantic Social Recommendations and Personalised Location-Based Offers*, Poster at International Semantic Web Conference

- Coordinated by Elena
- Every attendee presents a poster!
 - Typically on PhD topic
 - Put posters up between 5 and 8 today and tomorrow
- Each poster will be assigned a tutor
- Enables you to get high quality feedback on your ideas
- You get a glimpse of what each of you are doing
 - Help in formation of mini-project groups
- Prize for the best poster
- Posters too can be published!
- Aurlona Gerber, Alta Van der Merwe and Andries Barnard. A Functional Semantic Architecture. European Semantic Web Conference, 2008



Summer School Timetable (Monday)

- 08:15 - 09:00 Registration
- 09:00 - 09:15 Opening: John Domingue
- 09:15 - 10:15 **Keynote: Stefan Decker, DERI, National University of Ireland**
- 10:15 - 10:30 Coffee break
- 10:30 - 12:30 Tutorial: Introduction to Linked Data: background technologies and standards, motivating application scenario
Aidan Hogan & Jarred McGinnis
- 12:30 - 14:00 Lunch break
- 14:00 - 15:00 Tutorial: Querying Linked Data
Aidan Hogan & Jarred McGinnis
- 15:00 - 17:00 *Hands-on: Semantic Web Languages and Standards*
Aidan Hogan & Jarred McGinnis
- 20:00 Poster session and opening reception
Elena Simperl

Summer School Timetable (Tuesday)

- 09:00 - 09:15 Administrative issues
- 09:15 - 10:15 **Keynote: Steffen Staab, University of Koblenz-Landau**
- 10:15 - 10:30 Coffee break
- 10:30 - 12:30 Tutorial: Providing Linked Data
Maribel Acosta & Barry Norton
- 12:30 - 14:00 Lunch break
- 14:00 - 14:30 Student project kick-off (Fabian Flöck)
- 14:30 - 15:30 (continued) Tutorial: Providing Linked Data
Maribel Acosta & Barry Norton
- 15:30 - 17:00 *Hands-on: Publishing and consuming Linked Open Data*
Maribel Acosta & Barry Norton
- 20:00 Poster session continued and dinner
Elena Simperl

Summer School Timetable (Wednesday)



- 09:00 - 09:15 Administrative issues
- 09:15 - 10:15 **Keynote: Kieron O'Hara, University of Southampton**
- 10:15 - 10:30 Coffee break
- 10:30 - 11:30 Tutorial: Building and Using Ontologies
Elena Simperl
- 11:30 - 12:30 *Hands-on: Building and Using Ontologies*
Elena Simperl
- 12:30 - 14:00 Lunch break
- 14:00 - 15:00 Tutorial: Big Data management and analytics
Marko Grobelnik
- 15:00 - 16:00 *Hands-on: Big Data management and analytics*
Marko Grobelnik
- 16:00 Excursion
- 20:00 Dinner, possibly as part of the excursion

Summer School Timetable (Thursday)

- 09:00 - 09:15 Administrative issues
- 09:15 - 10:15 **Keynote: Vassilis Christophides, University of Crete**
- 10:15 - 10:30 Coffee break
- 10:30 - 11:30 Feedback session on teaching materials
- 11:30 – 12:30 Student project work (tutors available)
- 12:30 - 14:00 Lunch break
- 14:00 - 18:00 Student project work (tutors available)
- 20:00 Dinner

Summer School Timetable (Friday)

- 09:00 - 09:15 Administrative issues
- 09:15 - 10:15 **Keynote: Marko Grobelnik, Jozef Stefan Institute**
- 10:15 - 12:30 Student project work
(tutors available upon request)
- 12:30 - 14:00 Lunch break
- 14:00 - 18:00 Student project work
(tutors available upon request)
- 20:00 Dinner
- 22:00 Party

Summer School Timetable (Saturday)

- 09:00 - 12:00 Student project presentations
- 12:00 - 12:30 Break and deliberation of judges
- 12:30 - 13:00 Award ceremony and closing

FINALLY

HAVE FUN!

- We know people learn more if they enjoy themselves
- Social Programme
 - Excursion on Wednesday
 - Party and disco on Friday
 - Other events are encouraged!

Final Final Tips

- 'Soft' Skills are Important
- Process rather than results
- If you are stuck or confused please ask
- Have fun!

- Wireless
 - SSID eswc-school
 - password “eswc2013”
- #eswc2013
- <https://www.facebook.com/groups/eswcsummerschool/>



Thanks!

