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

summerschool2014.eswc-conferences.org
WHERE ARE WE?
1 Breakfast Notia Ammos  
2 Lunch Monday/Tuesday - Aristidis  
3 Lunch Wednesday – Friday Diogenis
20 July 2014
Kalamaki, Messara, Crete
1st Caretta caretta hatchlings for 2014
WHY ARE WE HERE?
A little history

• KnowledgeWeb Network of Excellence
  – Summer school in Cercedilla (est. 2003)
  – ESWC Conference (ESWS) (est. 2004)
• REWERSE Reasoning Summer School (est. 2005)
• Asian Semantic Web School (est. 2007)
• Semantic Computing Summer School in Berkeley (est. 2009)
• 1st ESWC Summer School (2011)
AI Ten to Watch

Marta Sabou
MODUL University Vienna

Mathieu d’Aquin
The Open University

Tom Heath
Open Data Institute
Becoming (very) Famous Semantic Web Scientists

- Semantic Web research area
  - Technical knowledge and skills
- Non-technical knowledge and skills
NON-TECHNICAL KNOWLEDGE AND SKILLS
Non Technical Topics

• 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
Preservation Track Leaders

Grigoris Antoniou

José María García
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*

Barry Norton
Linked Data (for NLP), SW Languages,

Irini Fundulaki
Querying & SPARQL

Maribel Acosta
Providing, publishing and consuming Linked Data, Mechanical Turk

Isabelle Augenstein
Linked Data & GATE

Elena Simperl
Building and Using Ontologies Posters

*we are very proud of the gender ratio and diversity of our tutors
Preservation Track Tutors

Sotirios Batsakis
Preserving Linked Data

René van Horik
Data management

Dumitru Roman
Data publication & hosting

José María García
DBPedia preservation use case
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/

iBook Download: Using Linked Data Effectively

Euclid Project Modules

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 | iTunes | Slides | Webinar | Webinar II
1.1 Introduction

This chapter introduces Linked Data and related **semantic web technologies** enabling linking on data, allowing exploitation of semantic standards in querying and browsing.

**Movie 1**

*Dr Barry Keen on the RDF scenario*
Keynote Speakers

Avi Bernstein
University of Zurich

John Domingue
The Open University & STI International

Marko Grobelnik
Josef Stefan Institute

Dominic Oldman
British Museum, London

Guus Schreiber
Free University of Amsterdam
Mini-Project

• Co-ordinated by Fabian
• 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 17:30pm 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
Fitbit Zip


Poster Session

• 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!
Summer School Timetable (Monday)

- 08:15 - 09:00  Registration
- 09:00 - 09:15  Opening: John Domingue
- 09:15 - 10:15  **Keynote: John Domingue, OU & STI2**
- 10:15 – 10:45  Coffee break
- 10:45 - 12:30  Tutorial: Fundamentals of Linked Data  
  *Barry Norton*
- 12:30 - 14:00  Lunch break
- 14:00 - 15:00  Tutorial: Querying Linked Data: SPARQL 101  
  *Irini Fundulaki*
- 15:00 – 15:30  Coffee break
- 15:30 - 17:00  **Hands-on: Semantic Web Languages and Standards**  
  *Barry Norton & Irini Fundulaki*
- 18:30  Poster session and opening reception  
  *Elena Simperl*
Summer School Timetable (Tuesday)

- 09:00 - 09:15  Administrative Issues
- 09:15 - 10:15  **Keynote: Marko Grobelnik, Jozef Stefan Institute**
- 10:15 – 10:45  Coffee break
- 10:45 - 12:30  Tutorial: Building and Using Ontologies  
  *Elena Simperl*
- 12:30 - 14:00  Lunch break
- 14:00 – 14:30  Student project kick-off *(Fabian Flöck)*
- 14:30 – 15:30  Tutorial: Providing and consuming Linked Data  
  *Maribel Acosta*
- 15:30 – 16:00  Coffee break
- 16:00 - 17:00  **Hands-on: Publishing and consuming Linked Open Data**  
  *Maribel Acosta*
- 18:30  Poster session continued and dinner  
  *Elena Simperl*
Summer School Timetable (Wednesday)

- 09:00 - 09:15 Administrative Issues
- 09:15 - 10:15 Keynote: Dominic Oldman, British Museum
- 10:15 – 10:45 Coffee break
- 10:45 - 11:30 Tutorial: Linked Data for NLP
  Barry Norton
- 11:30 - 12:30 Hands-on: Using Linked Data and GATE
  Barry Norton & Isabelle Augenstein
- 12:30 - 14:00 Lunch break
- 14:00 – 15:00 Tutorial: Social Semantic Web and crowdsourcing
  Elena Simperl
- 15:00 - 16:00 Hands-on: Using Mechanical Turk to solve LD problems
  Maribel Acosta
- 16:00 Excursion
- 20:00 Dinner, possibly as part of the excursion
Summer School Timetable (Wednesday) P

- 09:00 - 09:15  Administrative Issues
- 09:15 - 10:15  **Keynote: Dominic Oldman, British Museum**
- 10:15 – 10:45  Coffee break
- 10:45 - 11:30  Tutorial: Data publication and hosting solutions  
  *Dumitru Roman*
- 11:30 - 12:30  **Hands-on: Data management**  
  *René van Horik*
- 12:30 - 14:00  Lunch break
- 14:00 – 15:00  Tutorial: Challenges on preserving Linked Data  
  *Sotirios Batsakis*
- 15:00 - 16:00  **Hands-on: Preserving Linked Data: The DBpedia use case**  
  *José María García*
- 16:00  Excursion
- 20:00  Dinner, possibly as part of the excursion
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 09:15</td>
<td>Administrative Issues</td>
</tr>
<tr>
<td>09:15 - 10:15</td>
<td><strong>Keynote:</strong> Avi Bernstein, University of Zurich</td>
</tr>
<tr>
<td>10:15 – 10:45</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10:45 - 11:30</td>
<td>Q &amp; A Session [All Tutors]</td>
</tr>
<tr>
<td>11:30 - 12:30</td>
<td><strong>Student project work</strong> (tutors available)</td>
</tr>
<tr>
<td>12:30 - 14:00</td>
<td>Lunch break</td>
</tr>
<tr>
<td>14:00 – 18:00</td>
<td><strong>Student project work</strong> (tutors available)</td>
</tr>
<tr>
<td>20:00</td>
<td>Dinner</td>
</tr>
</tbody>
</table>
Summer School Timetable (Friday)

- 09:00 - 09:15  Administrative Issues
- 09:15 - 10:15  **Keynote:** Guus Schreiber, University of Amsterdam
- 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!
Learning by having 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 “eswc2014”

#eswcss2014

https://www.facebook.com/groups/eswcsummerschool2014/
Thanks!