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
Kalamaki and Baby Turtles
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)
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
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
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

This chapter introduces Linked Data and related semantic web technologies, which exploit the standardization and linking of data to increase its exploitability, access and querying.

Movie 1

Dr Barry Smith, <name> University, <city> <country>

Music piece: "<song>", <composer>
Keynote Speakers

Stefan Decker
DERI National University of Ireland
Galway

Kieron O’Hara
University of Southampton

Vassilis Christophides
University of Crete

Marko Grobelnik
Josef Stefan Institute

Steffen Staab
University of Koblenz-Landau
Mini-Project

• 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
Publications from mini-projects


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**: 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!
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!
Online Info

- **Wireless**
  - SSID eswc-school
  - password “eswc2013”
- #eswcss2013
- [https://www.facebook.com/groups/eswcsummerschool/](https://www.facebook.com/groups/eswcsummerschool/)
Thanks!