



*Ministero degli Affari Esteri
e della Cooperazione Internazionale*



सत्यमेव जयते
Department of Science & Technology
Government of India



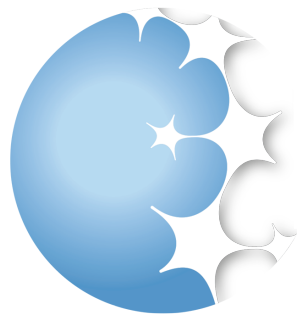
India-Trento Programme for Advanced Research



DISI, University of Trento, Italy



DRTC, ISI Institute, Bangalore, India



KiDF
Scientia in varietate

2nd Knowledge in Diversity Workshop

Trento, November 26-28 2014
Room 102 – TrentoRise building

**2nd Knowledge in Diversity workshop
(by invitation only)
Trento, November 26-28 2014
Room 102 – TrentoRise building**

The aim of the workshop is to bring together professionals and practitioners from academic, business, and government communities from all over the world interested in exploring how diversity affects data and knowledge, and discuss about applications such as open data, supporting methodologies and tools.

The event is the follow-up of the first edition held last year in Bangalore in the context of the ITPAR project between Italy and India. The initiative is now attracting attention from a growing number of institutions world-wide.

The workshop is organized into sessions, each of them addressing one specific topic. Within sessions, presentations are of three kinds:

- Talks: to introduce a topic and envisioned solutions to corresponding challenges
- Invited speeches: to provide a broader point of view from our guests
- Snapshots: brief presentations that may introduce systems that will be demonstrated during demo sessions

Working groups will group people interested in forming a working team to getting more details about the working methodology, the activities done during last year and agree about joint activities to be done next year, role in the organization of a MOOC and possible joint projects.

The event is co-funded by the ITPAR project (Italy-India), the “Ministero degli Affari Esteri e della Cooperazione Internazionale” (Italy), the Department of Science and Technology (India), and the DISI department of the University of Trento (Italy).

Wednesday 26th November



08:30 – 09:00 Registration desk (come to take your badge)

SESSION 1: THE VISION (Session Chair: Vincenzo Maltese)

The goal of this session is to introduce the challenges posed by diversity in knowledge which are inspiring our vision towards the development of appropriate linguistic and knowledge resources, methodologies and tools to address those challenges.



09:00 – 09:30 Welcome, agenda and objectives (Fausto Giunchiglia, ARD Prasad, Riccardo Zandonini)

09:30 – 10:15 INVITED SPEECH: The Universal Thesaurus (Dagobert Soergel)

10:15 – 11:00 Knowledge in diversity: vision and tools (Fausto Giunchiglia)



11:00 – 11:30 Coffee break

11:30 – 12:00 Towards smart cities: Open Data as common good (Stefano Leucci)

12:00 – 12:15 SNAP: The Website (Enrico Nicoletti)

12:15 – 12:30 SNAP: The KOS user interface (Francesco Bux)



12:30 – 13:30 Lunch

13:30 – 14:15 INVITED SPEECH: Semantic Matching for Open Data (Pavel Shvaiko)

SESSION 2: CONTENT DEVELOPMENT: SYSTEMS & TOOLS (Session Chair: Maria De Las Mercedes Huertas)

The goal of this session is to describe the systems and tools that in our vision will allow capturing diversity in language and knowledge, as well as the organizational coordination necessary to achieve that. We will present the work done so far to bootstrap the local nodes. This year we will mainly focus on language.



14:15 – 14:45 The Language Knowledge Cores framework (Ilya Zaihrayeu)

14:45 – 15:00 SNAP: The Mongolian LKC (Altangerel Chagnaa)

15:00 – 15:15 SNAP: The Chinese LKC (Hanyu Zhang)

15:15 – 15:30 SNAP: A collaborative approach to multilingual ontology development (Ahmed Tawfik)



15:30 – 16:00 Coffee break

SESSION 3: CONTENT DEVELOPMENT: METHODOLOGIES (Session Chair: Biswanath Dutta)

The goal of this session is to describe the methodologies at the basis of (a) domain development (i.e. the process by which an ontology is built) and (b) localization (i.e. the process by which each concept in the ontology is associated to either a synset or a lexical gap in the target language), with examples of the work done so far.



16:00 – 16:30 The domain development methodology (Vincenzo Maltese)

16:30 – 16:50 The localization methodology (Amarsanaa Ganbold)

16:50 – 17:10 The Food Domain (Devika Madalli)

17:10 – 17:30 The HBS-Trento project: architecture & pipeline (Stella Margonar)

17:30 – 18:30 Demo session

1. Knowledge in Diversity Website (Enrico Nicoletti)

2. The KOS user interface (Francesco Bux)

3. The LKC framework (Ilya Zaihrayeu)

4. The HBS project (Stella Margonar)

Thursday 27th November

OPEN

08:30 – 08:45 Registration desk (come to take your badge)
08:45 – 09:00 Introducing the themes of the day (Vincenzo Maltese)

SESSION 4: NATURAL LANGUAGE PROCESSING (Session Chair: Altangerel Chagnaa)

The goal of this session is to describe the multi-language open source NLP pipeline and tools we have been developing and show the work done by our partners in specific languages.

09:00 – 09:30 The NLP tools (Gabor Bella)
09:30 – 10:00 The Mongolian NLP pipeline (Zoljargal Munkhjargal)
10:00 – 10:15 SNAP: Demo of the NLP tools (Gabor Bella)

10:15 – 10:45 Coffee break

SESSION 5: GAMIFICATION (Session Chair: Hao Xu)

The goal of this session is to describe how games have a huge potential in incentivizing people to contribute via the identification and fixing of potential pitfalls in linguistic and knowledge resources.

10:45 – 11:15 The gaming framework (Aliaksandr Autayeu)
11:15 – 11:45 Developing Bangla WordNet by Gamification (Tabin Hasan)
11:45 – 12:15 Media Games (Anca Livia Radu)
12:15 – 12:30 SNAP: Crosswords (Aliaksandr Autayeu)

12:30 – 13:30 Lunch

SESSION 6: WORKING SESSION (Session Chair: Fausto Giunchiglia)

13:30 – 15:30 Track #1: Working Group on CONTENT: SYSTEM & TOOLS
(Chaired by: Maria De Las Mercedes Huertas)
Track #2: Working Group on CONTENT: METHODOLOGIES
(Chaired by: Vincenzo Maltese)

15:30 – 16:00 Coffee break

16:00 – 18:00 Track #3: Working Group on NLP (Chaired by: Gabor Bella)
Track #4: Working group on GAMIFICATION
(Chaired by: Aliaksandr Autayeu)

18:00 – 18:40 Plenary reporting from tracks #1-2-3-4 (10 minutes each)

20:00 – 22:30 Social Dinner

Friday 28th November



08:30 – 08:45 Registration desk (come to take your badge)
08:45 – 09:00 Introducing the themes of the day (Feroz Farazi)

SESSION 7: OPEN DATA (Session Chair: Feroz Farazi)

The goal of this session is to discuss the work so far and the huge potential of an integrated strategy towards open data.



09:00 – 09:45 INVITED SPEECH: Open geo-spatial data (Lorenzo Vaccari)
09:45 – 10:15 An integrated approach to open data (Ivan Bedini)
10:15 – 10:45 The open data cleaning and importing pipeline
(Feroz Farazi, David Leoni)
10:45 – 11:00 SNAP: The Trentino Entitypedia (Sajan Ojha)



11:00 – 11:30 Coffee break
11:30 – 12:00 Organizational issues in Open Data (Francesca Gleria)
12:00 – 12:30 Legal issues in open data (Eleonora Bassi)



12:30 – 13:30 Lunch
13:30 – 14:15 INVITED SPEECH: Open Data in Paraguay (Juan Pane)
14:15 – 14:45 Conclusions and next steps (Vincenzo Maltese)
14:45 – 15:00 Group photo



15:00 – 16:00 Demo session

1. The Trentino Entitypedia (Sajan Ojha)
2. The cleaning and importing tool (David Leoni)
3. Open buses (Ivan Bedini)
4. Open Source NLP (Gabor Bella)
5. Crosswords (Aliaksandr Autayeu)
6. Media Games (Anca Livia Radu)

SESSION 8: OPEN DATA IN ITALY (Session Chair: Eleonora Bassi)

The goal of this session is to discuss the status and challenges for open data in Italy.



16:00 – 17:30 PANEL (in Italian) on “Open Data: from theory to practice”
(moderated by Eleonora Bassi)

Organizers

University of Trento.Italy

Fausto Giunchiglia
Vincenzo Maltese
Luisa Savori
Ia Kurdiani
Eduardo Maidana

ITPAR, KiDF partner

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ARD Prasad
Devika Madalli
Biswanath Dutta
K.K. Banerjee
Syed Shahrier Rahman
Tabin Hasan
Yanchun Liang
Hao Xu
Hui Yang
Li Huaxuan
Altangerel Chagnaa
Amarsanaa Gambold
Zoljargal Munkhjargal
Jargal Badagarov
Juan Pane
Horia Cucu
Anca Iivia Radu

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