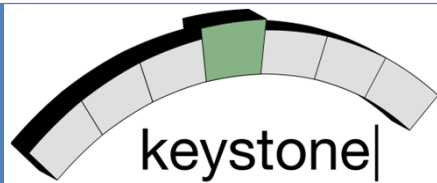


8 September 2015

Coimbra

Portugal

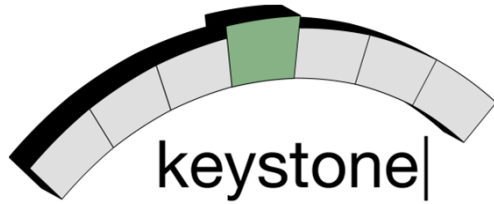


keystone|

IC1302

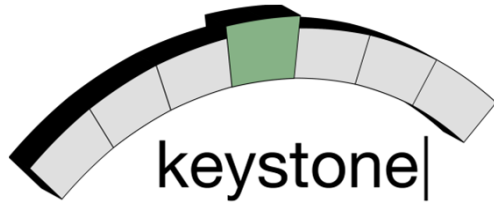
4th MC Meeting

Francesco Guerra
University of Modena and Reggio Emilia - Italy



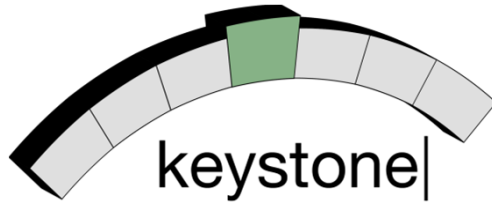
MC Members

Country	#	Country	#	Country	#	Country	#
Austria		Belgium		Bulgaria		Croatia	X
Cyprus	X	Estonia		Finland	X	France	X
Germany	X	Greece	X	Ireland		Israel	X
Italy	X	Malta	X	Netherlands	X	Norway	
Poland	X	Portugal	X	Romania	X	Serbia	X
Slovakia	X	Slovenia	X	Spain	X	Sweden	X
Switzerland	X	Turkey	X	United Kingdom	X	fYR Macedonia	X



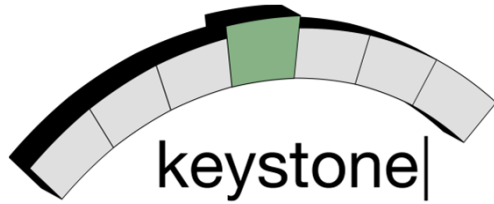
Agenda

1. Adoption of agenda
2. Approval of minutes and matters arising of last meeting
3. Update from the Action Chair
 1. Status of Action
 2. Action budget status
 3. STSM status and new applications
4. Promotion of gender balance and Early Career Investigators (ECIs)
5. Update from the Grant Holder
6. Update from the COST Office
 1. News about the COST Association



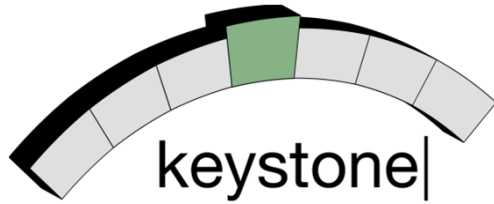
Agenda (2)

7. Follow-up of MoU objectives
 1. Progress report of working groups
8. Scientific planning: Work and Budget Plan for Grant Period 3
 1. Scientific strategy
 2. Action Budget Planning
 3. Long-term planning
 4. Dissemination planning (Publications and outreach activities)
 5. Work and Business Plan for the next period
9. Requests for new members
10. Non-COST applications to the Actions
11. AOB
12. Location and date of next meeting
13. Summary of MC decisions
14. Closing



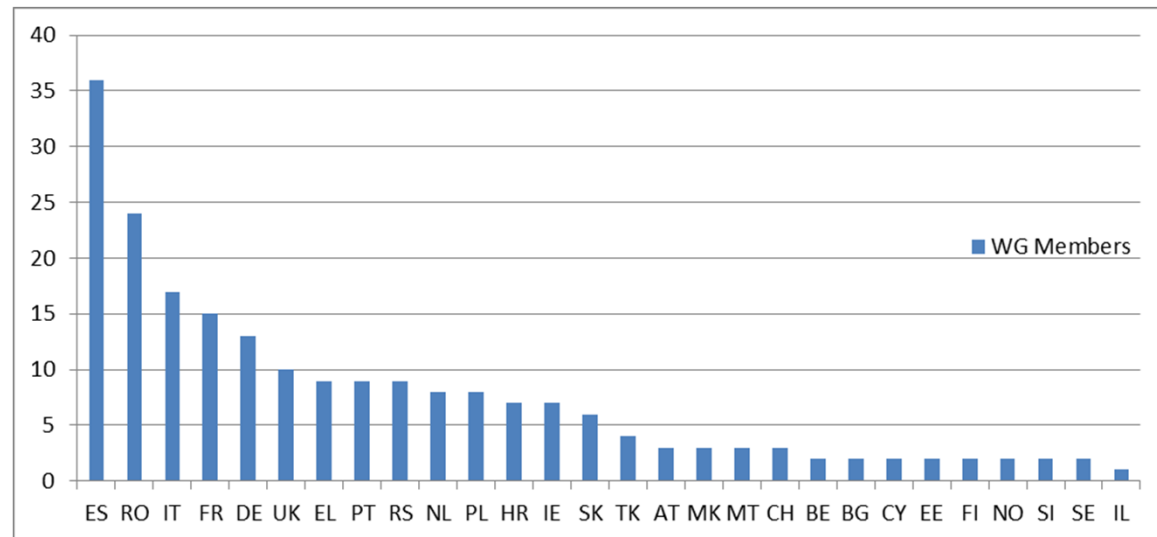
Approval of minutes and matters arising of last meeting

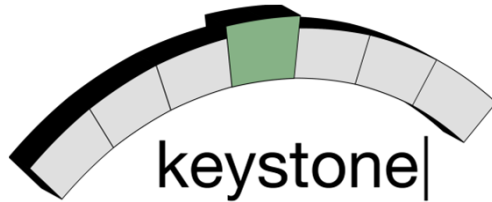
- ▶ The minutes of the MC meetings are published in the website



Update from the Action Chair Status of the Action

- ▶ 28 Countries
- ▶ 50 MC Members
- ▶ 212 WG members
 - ▶ WG1 148Members
 - ▶ WG2 145 Members
 - ▶ WG3 120 Members
 - ▶ WG4 97 Members
- ▶ 82 ECIs (38.67%)
- ▶ 163 M / 39 F
(76.89% /23.11%)



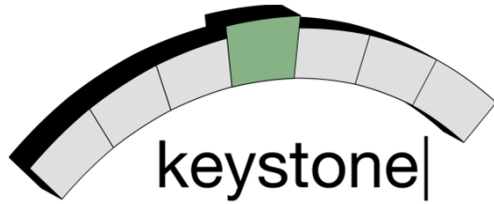


Update from the Action Chair Action budget status

- ▶ 2 meetings
 - ▶ Spring 2015 WG Meeting (Kosice 11-12 May) 40 people [**EUR 37 848.36**]
 - ▶ MC Meeting + Keystone Conference 50 people [**around EUR 50 000**]

- ▶ 15 STSM
 - ▶ **EUR 22 318.00**

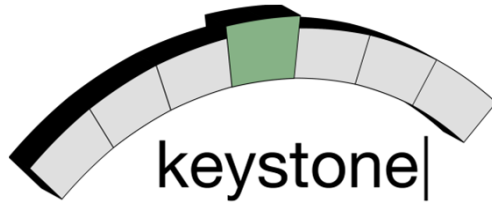
- ▶ 1 Training School (7 Trainers, 21 Trainees)
 - ▶ **EUR 23 918.65**



Update from the Action Chair STSM status and new applications

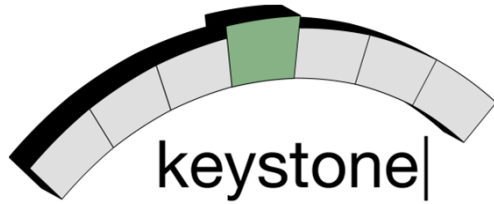
- ▶ 15 countries in total have been involved in this year's STSMs

	BUDGET	HOME	HOST
AT	1250	1	
BG			1
FR	4228	2	
MK	1550	1	
DE	2000	2	1
EL	1300	1	
IE			1
IT	3000	2	4
NL			1
PL			1
RS	1090	1	
SI			1
ES	7900	4	1
TK			1
UK			2



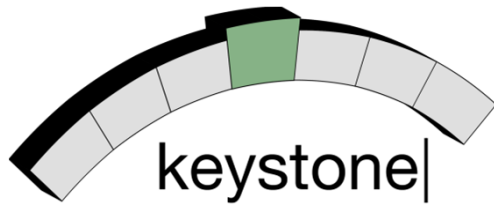
Promotion of gender balance and of Early Career Investigators (ECIs)

- ▶ Problem
 - ▶ Unbalanced gender?
 - ▶ 82 ECIs (38.67%) is a good result!



Update from the Grant Holder

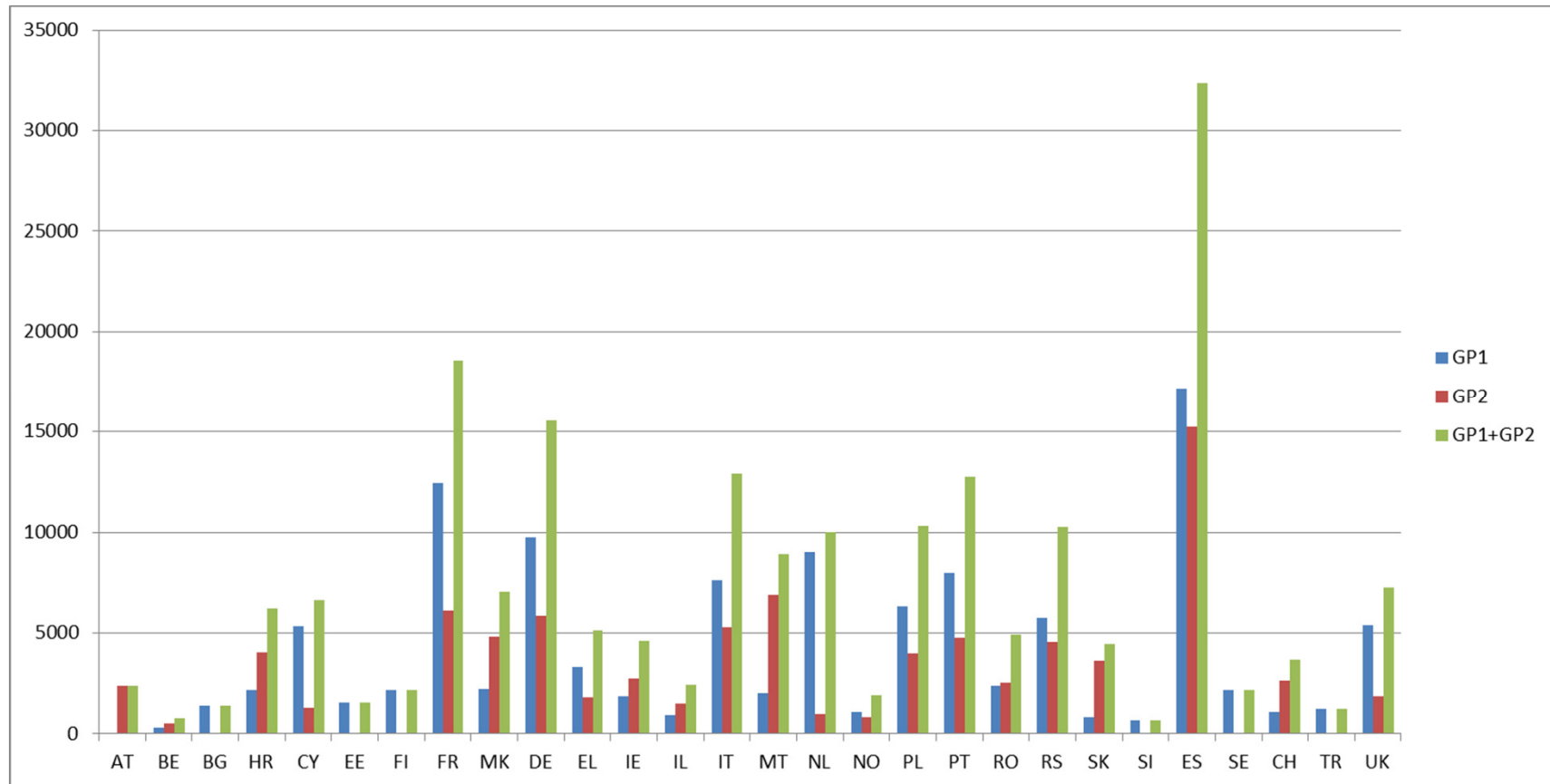
- ▶ We can pay participants until 30 SEP
 - ▶ AFTER → Money are lost
 - ▶ **IMPORTANT: we need to receive the TRR CORRECT ASAP AND by 1 week (16 September)**
- ▶ This means:
 - ▶ All the invoices (APART FROM HOTEL, MEALS) have to be uploaded in the ecost website
 - ▶ The Boarding Passes have to be uploaded
 - ▶ TAXIS have to be REALLY justified (apart from the rides from 22 to 7)
 - ▶ Your situation about the Italian tax deductions has to be clear
- ▶ Remember to sign the attendance list!
- ▶ Approval of the last Businnes change!

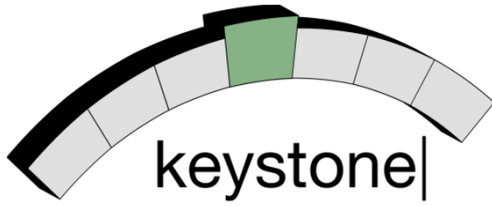


Budget Analysis

Overall Budget per Country

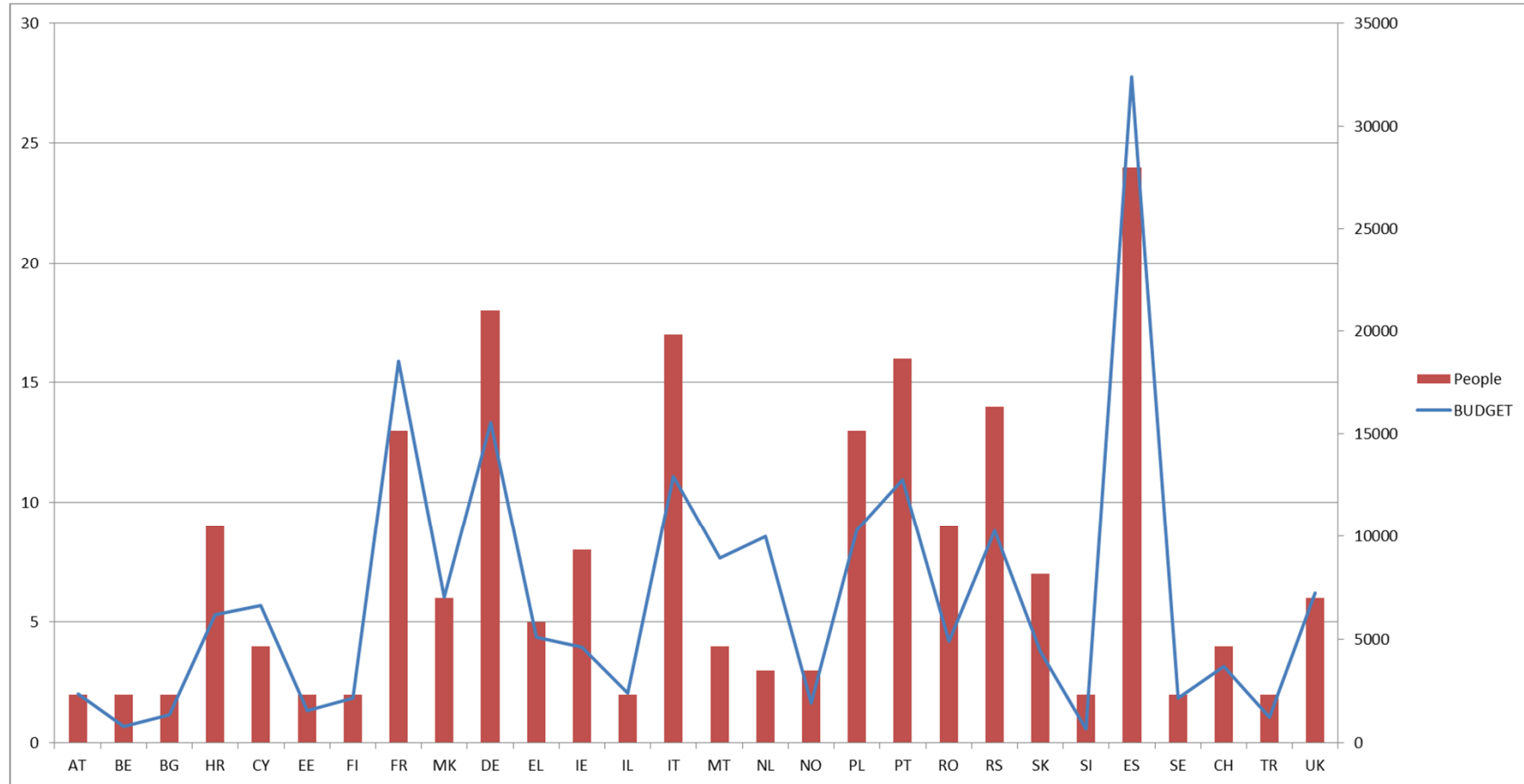
GP2 includes only STSMs, Meeting 1 and Training School



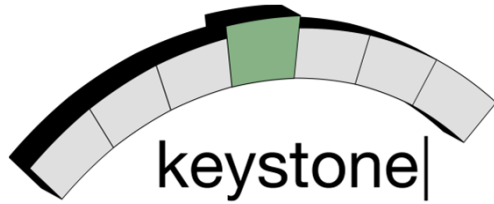


Budget Analysis

Budget and Participants per Country



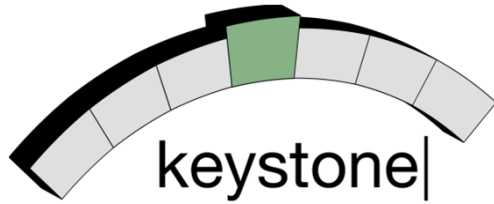
GP2 includes only STSMs, Meeting 1 and Training School



Budget Analysis ITCs

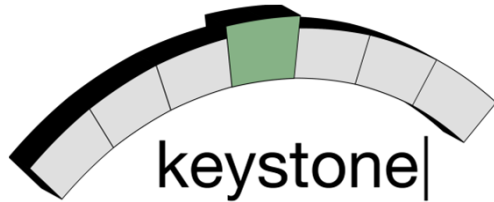
Reference	ITC	ALL	%
GP1	39864.59	132176 (85% of the budget)	29%
GP2	36464.7	96728 (59% of the budget)	37%
GP1+GP2	76329.3	228904	33.34%

GP2 includes only STSMs, Meeting 1 and Training School



Budget – change proposal

	W&B Plan	Change 1 on 8/05/2015	Change 2 on 8/09/2015	
(1) MEETINGS	98700	96582	96113.35	-468.65
(2) TRAINING SCHOOLS	22250	22250	23918.65	1668.65
(3) SHORT-TERM SCIENTIFIC MISSIONS	20400	22518	22318	-200
(4) DISSEMINATION	1000	1000	0	-1000
(5) OERSA	460	460	460	0
	142810	142810	142810	



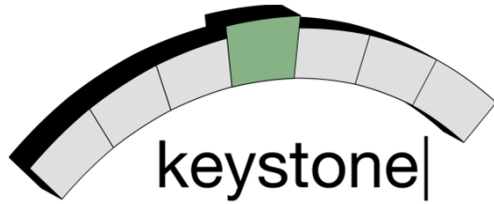
GP2 and GP3

- ▶ In December 2014 we approved the Work and Budget (W&B) Plan for GP2
 - ▶ Amount: 164 000 euro
 - ▶ Duration: 1/12/2014 – 31/12/2015

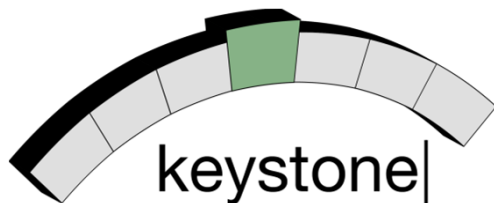
- ▶ Due some new constraint generated by H2020 fundings, the COST Association our GP2 that will finish on 30/09
 - ▶ No issues for the activities, all have been already done

- ▶ GP 3
 - ▶ Amount 53 000 euro
 - ▶ Duration 1/10/2015 – 30/4/2016
 - ▶ We have to define the W&B Plan ... now!

- ▶ GP4 (expected)
 - ▶ Amount around 150 000
 - ▶ Duration 1/5/2016 – 30/4/2017

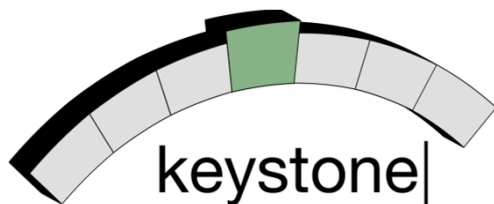


- ▶ Proposal
 - ▶ MC + WG Meeting at the beginning of March 2016
 - ▶ Research Keyword search in the Semantic Web
 - ▶ Where?
 - ▶ To start in any case to work to
 - ▶ IKC 2016
 - ▶ Training School 2



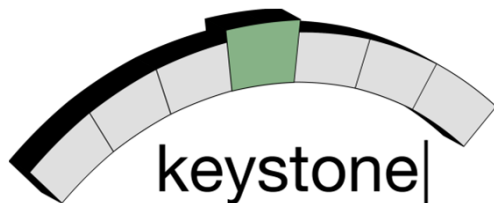
Follow-up of MoU objectives

Objective as described in MoU	Level of Achievement					Reason (Previous document)
	0	25	50	75	100	
1) Creation of a network of researchers working in the field of keyword search over structured databases	<input type="checkbox"/>	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In the first year we have created a network of researchers that now has to be consolidated. We started with 15 countries participating in the 1st MC Meeting and now we are 27 countries. We reached a significant number of involved countries and that now we have to work on making people collaborate with each other.
2) Promote the development of novel techniques for keyword-based search over structured data sources	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Several teams published new techniques for keyword search. 11 STSMs have been funded. Research activities started and new techniques (enabled by the Action's work) will be published in the literature. Now we have to work in supporting inter-team / inter-country research.
3) promote a critical analysis of the emergent techniques for keyword-based search in structured data sources, identifying and critically reviewing the most promising approaches	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In the meetings organized in 2014 we analysed techniques for querying big data and the semantic web by inviting keynote speakers. The website implements a repository for collecting related papers in the field.



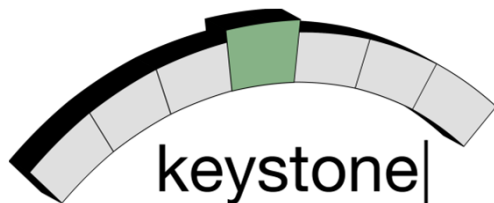
Follow-up of MoU objectives

Objective as described in MoU	Level of Achievement in %					Reason
	0	25	50	75	100	
4) enable the creation of networks/discussion forums/ mailing lists with the support of new web technologies for sharing ideas and promoting joint and multidisciplinary ideas and promoting joint and multidisciplinary research	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	KEYSTONE has a twitter channel, a LinkedIn group, 4 mailing lists and a website where people can publish and share their activities. Since the communications flow is low, we have to work on promoting it.
5) enable the development of a conceptual map of the open and closed issues related to the Action themes	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In the meetings organized in 2014, during the brainstorming sessions we analysed open and closed issues. A white paper about Semantic Keyword search in Big Data has been published and a second white paper about "Querying the Semantic Web" is scheduled.
6) support the discussions and idea sharing among early-stage and senior researchers by means of training schools and symposia, and by promoting visiting activities and exchanges through Short-Term Scientific Missions	<input type="checkbox"/>	X	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11 STSMs have been supported in 2014. We think that this is an interesting result for an Action which has just started.
7) support the development of scenarios, showcases and benchmarks for evaluating and comparing the approaches and the prototypes	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The website contains a section for collecting and publishing datasets. We will work on the population of this section in 2015.



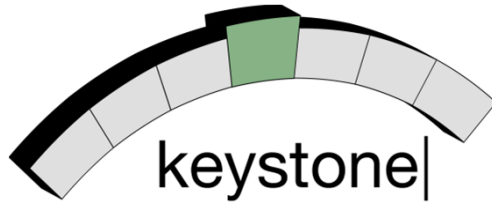
Follow-up of MoU objectives

Objective as described in MoU	Level of Achievement					Reason (Previous document)
	0	25	50	75	100	
8) Facilitate the transfer of knowledge and technology to the scientific community, practitioners and the enterprises	X	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In 2015 we will organize a training school and other events with enterprises enabling dissemination and knowledge transfer.
9) Enable the participation and organisation of meetings and events with people from industry or government promoting the reuse of the Action outcomes in professional applications	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In 2015 we will experiment new activities aiming to involve enterprises.
10) Build a critical mass of research activities and outcomes that achieve the sustainability of the research themes beyond the Action	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There are 151 WG Members in KEYSTONE. The brainstorming sessions (“team building” exercises organized during the meeting) have enabled the establishment of relationships that will continue after the end of the Action.
11) collection of the most relevant material (slides, tutorials and other training materials, scientific papers, prototypes, datasets, scenarios and benchmarks) in an open annotated bibliography for improving their dissemination, reuse and extension	X	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The website contains a section for collecting and publishing training material. The section will contain the material of the training school scheduled for July 2015.



Follow-up of MoU objectives

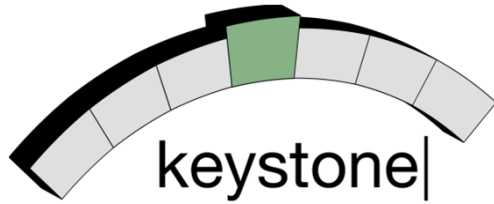
Objective as described in MoU	Level of Achievement					Reason (Previous document)
	0	25	50	75	100	
12) Enlargement of the network of academic and professional researchers beyond the ones initially involved for the preparation of the Action	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	In 2015 we will experiment new activities aiming to involve enterprises.
13) Promotion of the publication, use and sharing of open structured data through the web	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There are 151 WG Members in KEYSTONE. The brainstorming sessions (“team building” exercises organized during the meeting) have enabled the establishment of relationships that will continue after the end of the Action.
14) Involvement of internationally acknowledged research centers working in the Action themes	<input type="checkbox"/>	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The network of WG Members already includes people from internationally acknowledged research centers.
15) Development of cooperation relations among European research institutions to perform joint activities beyond the ones proposed in the Action (the participation in other research proposals, the development of joint doctorate courses, ...)	<input type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Several research teams belonging to KEYSTONE have jointly worked in applications sent to H2020 calls and to other calls for proposals.



Scientific planning Goals

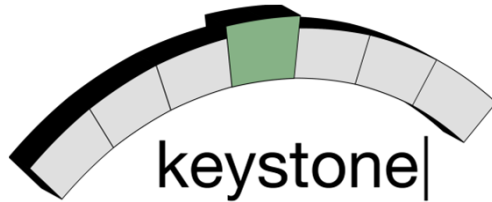
Research Topic for the next year: Keyword Search in the Semantic Web

Grant Period Goal	MoU objective that it relates to
1. Enabling new joint research activities in the field of keyword search over structured databases, with particular reference to techniques for dealing with the Semantic Web	1,2,3,10
2. Analysing and disseminating the results achieved in the literature in keyword search over large amount of data	3,5
3. Promoting the discussion among research teams having different expertise, working in different scenarios, using different methodologies with the goal of developing new and inter-disciplinary techniques and applications	1,4,6,10,15



Scientific planning Tasks

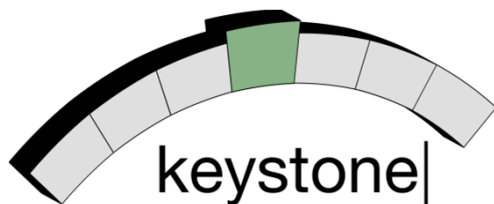
- ▶ MC Meeting (+WGmeeting)
- ▶ Location ?
- ▶ When: ?
 - ▶ Oriented to Industry?
 - ▶ Brainstorming?



Long Term Scientific planning Tasks

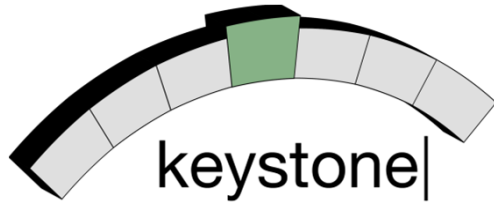
- ▶ **Open conference**
- ▶ “call for organization” ?

- ▶ **Training school**
 - ▶ 5 days training school about themes related to keyword search in the Semantic Web



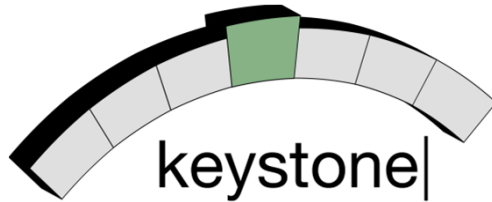
Scientific planning GP3

A. COST Networking Tools	EUR	WHAT
(1) MEETINGS	46600	MC+WG meeting 45
(1) TRAINING SCHOOLS		
(1) SHORT-TERM SCIENTIFIC MISSIONS		
(1) DISSEMINATION		
(1) OERSA	400	Bank fees
A. FSAC (max. of 15% of B.)	6000	
A. TOTAL EXPENDITURE	53000	



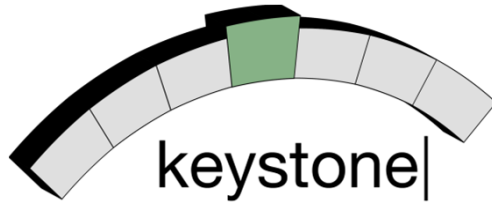
Requests for new members

- ▶ New update in the WG Member lists (see excel file)
- ▶ NNC
 - ▶ COST Near Neighbour Countries include Albania, Algeria, Armenia, Azerbaijan, Belarus, Egypt, Georgia, Jordan, Lebanon, Libya, Moldova, Montenegro, Morocco, the Palestinian Authority, Russia, Syria, Tunisia and Ukraine.
 - ▶ They can participate in the Action as the «normal» countries (apart for their presence in the MC)
- ▶ IPC: benefit
 - ▶ International Partner Countries already participating in COST [Actions](#) include: Argentina, Australia, Bangladesh, Brazil, Canada, Chile, China, Colombia, Costa Rica, Hong Kong, India, Indonesia, Iraq, Japan, Republic of Korea, Mauritius, Mexico, Namibia, New Zealand, Pakistan, Peru, Saudi Arabia, Singapore, South Africa, Sudan, Thailand, United Arab Emirates, United States of America and Uruguay.
 - ▶ They can only host STSM and participate as trainers in the Schools



Summary of the decisions

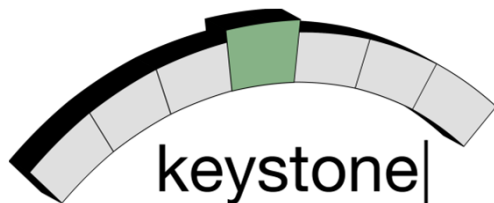
- ▶ List of electronic approvals since the 3° MC meeting
 8. Minute of the 3rd MC Meeting
 9. Approval of the work and budget plan for the second grant period
 10. STSM approval of Call 1
 11. Open Conference Organization
 12. Training school organization
 13. List of the WG Members - Update
 14. STSM approval of Call 2
 15. budget change
 16. MC Meeting Coimbra
 17. List of the WG Members - Update



Summary of the decisions

▶ STSM approved and finalized

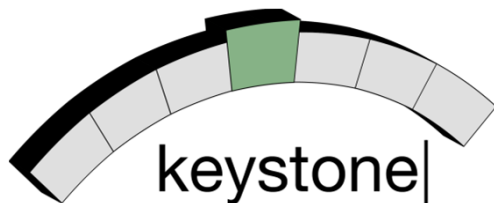
Aggregated Search on the Web of Data (REPORT)	Khalid Belhajjame Université Paris-Dauphine, Paris (FR)	University of Manchester, Manchester, UK	FR	UK	02/05/2015	24/05/2015
Query Recommendation and As-You-Type Search in Social Media (REPORT)	Bogdan Cautis, Computer Science Department, University of Paris-Sud 11 (I.U.T. Orsay), France	Yahoo Labs Barcelona, Barcelona (ES)	FR	ES	17/02/2015	02/03/2015
Keyword-based search and keyword interpretation in recommendations systems (REPORT)	María del Carmen Rodríguez Hernández, University of Zaragoza, Zaragoza, Spain	University of Modena and Reggio Emilia, Modena, Italy	ES	IT	15/03/2015	15/06/2015
Experimenting ML techniques in Keyword search for structured databases (REPORT)	Francesco Guerra University of Modena and Reggio Emilia, Modena, Italy	Gdansk University of Technology, Gdansk, Poland	IT	PL	31/05/2015	11/06/2015
Semantic Expansion of Keyword Queries in Resource Sharing Websites	Sergio Oramas Universitat Pompeu Fabra, Barcelona, Spain	Insight Centre for Data Analytics, University College Dublin, Dublin, Ireland	ES	IR	01/05/2015	31/07/2015



Summary of the decisions

▶ STSM approved and finalized

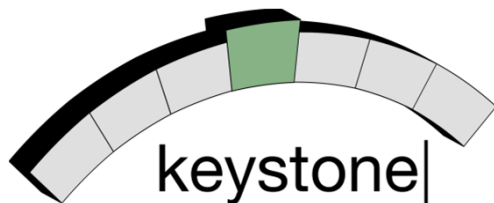
LearnWeb EXPLORER – Guided Search for Linked Data Resources (REPORT)	Ivana Marenzi University of Hannover, L3S Research Center, Appelstrasse 4, 30167 Hannover, Germany	University of Trento, Trento, Italy	DE	IT	01/05/2015	28/06/2015
Semantic Representation of Liver Patients Radiological Reports (REPORT)	Maria del Mar Roldan Garcia Bogazici University of Málaga, Malaga, Spain	University, Istanbul, Turkey	SP	TK	15/02/2015	22/02/2015
Experimenting in techniques and approaches in search on structured georeferenced bibliographic data sources	Dragan Ivanovic University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia	University of Ljubljana Faculty of Civil and Geodetic Engineering, Ljubljana, Slovenia	RS	SI	22/08/2015	29/08/2015
Evaluating Semantic Search - Improving Crowdsourcing through Malicious Activity Detection	Ujwal Gadiraju L3S Research Center, Hannover, Germany	University of Sheffield, Sheffield, UK	DE	UK	01/08/2015	30/08/2015
Complex Event Processing for recommendation in keyword-based search	Ramon Hermoso Traba University of Zaragoza, Zaragoza, Spain	University of Applied Sciences and Arts, Hannover, Germany	SP	DE	22/09/2015	25/10/2015



Summary of the decisions

▶ STSM approved and finalized

Consideration of semantics in the analysis of citations (REPORT)	Manolis Wallace University of Peloponnese, Tripolis, Greece	University of Trento, Trento, Italy	GR	IT	13/06/2015	21/06/2015
Performance Evaluation of Algorithms for Keyword Search in Social Media Data	Atanas Hristov, University of Information Science and Technology "St. Paul the Apostle", Ohrid (MK) Mihai Lupu	Technical University of Sofia, Sofia (BG)	MK	BG	03/07/2015	08/08/2015
Keywords across domains (REPORT)	Vienna University of Technology, Vienna, Austria	Universita di Milano Bicocca, Milan, Italy	AT	IT	02/6/2015	09/06/2015
QyX: QuerY-driven eXample-based discovery of dataspace mappings	Federica Mandreoli Università di Modena e Reggio Emilia	Eindhoven University of Technology -	IT	NL	04/07/2015	20/07/2015



▶ List of Participants in the meeting

- ▶ Dr Loizos Michael
- ▶ Dr Burak Acar
- ▶ Dr Wouter Addink
- ▶ Dr Raquel Amaro
- ▶ Dr Joel Azzopardi
- ▶ Dr Khalid Belhajjame
- ▶ Dr Veli Bicer
- ▶ Dr Joseph Bonello
- ▶ Prof Omar Boucelma
- ▶ Dr Peter Butka
- ▶ Dr Andrea Cali
- ▶ Prof Jorge Cardoso
- ▶ Dr Marjan Ceh
- ▶ Prof Fabio Crestani
- ▶ Prof Paulo Cunha
- ▶ Mr Tomche Delev
- ▶ Dr Elena Demidova
- ▶ Dr Karol Draszawka

- ▶ Dr Dragana Dudic
- ▶ Dr Pavlos Fafalios
- ▶ Prof Antonio Farina Martinez
- ▶ Prof Dorian Gorgan
- ▶ Dr Francesco Guerra
- ▶ Prof Yaakov Hacohen-Kerner
- ▶ Dr Marko Horvat
- ▶ Dr Claudia Ifrim
- ▶ Dr Sergio Ilarri
- ▶ Dr Dragan Ivanovic
- ▶ Dr Marina Ivasic-Kos
- ▶ Dr Georgia Kapitsaki
- ▶ Ms Olivera Kitanovic
- ▶ Dr Innar Liiv
- ▶ Dr Gjorgji Madjarov
- ▶ Prof Sanda Martincic Ipsic
- ▶ Dr Paolo Missier
- ▶ Prof Andreas Nurnberger
- ▶ Prof Alexandre Miguel Pinto
- ▶ Mr Miran Pobar

- ▶ Dr Navid Rekabsaz
- ▶ Prof Jose Ramon Rios Viqueira
- ▶ Dr Maria Del Mar Roldan-Garcia
- ▶ Mr Marius Sajgalik
- ▶ Dr Peter Schalk
- ▶ Dr Tarcisio Souza
- ▶ Dr Ranka Stankovic
- ▶ Mr Henrik Strindberg
- ▶ Dr Julian Szymanski
- ▶ Prof Vagan Terziyan
- ▶ Prof Riccardo Torlone
- ▶ Dr Raquel Trillo Lado
- ▶ Prof Yannis Velegrakis
- ▶ Dr Manolis Wallace
- ▶ Prof Hubert Zarzycki
- ▶ Dr Sergej Zerr
- ▶ Mr Yiwei Zhou