



# Fusepool

STREP

FP7 – 296192

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## D6.4 Clustering and Concertation

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# 1 Document information

<b>FP7 Project Number</b>	296192	<b>Acronym</b>	Fusepool
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<b>Author</b>	Thomas Gehrig
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November 30, 2014	2.0	Thomas Gehrig	Final Upgrade

### 3 Management Summary

In addition to D6.2 (Public information) and D6.3 (Open Call & Competition) Deliverable 6.4 covers dissemination, networking and concertation activities in Fusepool Y2.

Dissemination for Y1 is relevantly treated in D6.2. In the overview in chapter 4 there are the short explanations about the whole project activities.

Concertation happened actively through the involvement of users and developers as they tried to link Fusepool to existing initiatives going on.

#### 3.1 Main events in Y2

The main dissemination and networking event for Fusepool was the **3<sup>rd</sup> European Data Forum** held in Athens. The Beta-version of the platform could be presented at the exhibition booth. Fusepool highlighted the importance of big data and showcased the innovation of a common data platform that provides internationally accessible information for SMEs in healthcare and other sectors. Relevant information about the Fusepool Open Call for Developers were well promoted. In Athens the Fusepool team (BUAS, ENoLL, iMinds, Swissdat, Xerox) promoted the project upcoming activities with visitors very effectively. That's why the EDF in November 2015 will be a mail dissemination event for the following project Fusepool P3.

Two **Data Hackathons** in Berlin were well promoted but not as good visited as possible.

The highlight was the **Final Public Workshop** in Brussels. This event brought together project partners, users and developers. The potential of Fusepool activities was specified.

#### 3.2 Other activities in Y2

**BUAS** shared Fusepool driven semantic principles at the OKF Festival in Geneva and participated with several presentations at the Semantic Web Days in Bern. Reto Gmür published the Stanbol book in summer 2013 and got the opportunity to present "Building the Fusepool Platform on Apache Software" at the Apache Conference in Denver. Michael Luggen presented a paper at the 11<sup>th</sup> ESWC in Heraklion.

Xerox was presenting a paper at the ECML in Prague and participated at the ICLR in Banff.

The other consortial partners supported with their experiences on the main events.

#### 3.3 Learnings

The planning of dissemination activities was not actively coordinated between the consortial partners and not explicitly focused on activities after Fusepool. Additionally the technical delay of the Fusepool platform locked dissemination and marketing activities.

The coordinator will establish links and learnings (explicitly in long-range-planning) from Fusepool to Fusepool P3.

## 4 Events and conferences

<b>Urban Data Challenge</b>	2013, Feb 6 to Mar 31
	Zurich (Switzerland), San Francisco (USA), Geneva (Switzerland)
	<b>Website</b> <a href="http://urbanprototyping.Org/prototype/challenges/urban-data-challenge-zurich-sf-geneva/#overview">http://urbanprototyping.Org/prototype/challenges/urban-data-challenge-zurich-sf-geneva/#overview</a>
	<b>Short description</b> <p>The Urban Data Challenge provided us with the opportunity to introduce Fusepool and World Wide Web Consortium (W3C)-approved semantic principles to the open data community.</p> <p>Making data accessible in our daily lives goes beyond placing information on a website, it means making it consumable for mobile apps around the world.</p> <p>The Urban Data Challenge was about public transport data from Geneva, San Francisco and Zurich. The Urban Data Challenge demonstrated the obstacles as well as the potential of common data formats in open data initiatives.</p>
	<b>Fusepool participation</b> Michael Kaschesky (BUAS)
<b>Fusepool effort</b> <p>Fusepool co-organised the event and awarded a small contract to the winning team to develop their data integration idea into a mini prototype.</p> <p>BUAS as sponsor of the challenge, member of the Jury, promotion on the website.</p>	
<b>2<sup>nd</sup> EDF 2013</b>	2013, Apr 9 to 10
	Dublin (Ireland)
	<b>Website</b> <a href="http://2013.data-forum.eu/">http://2013.data-forum.eu/</a>
	<b>Short description</b> <p>The European Data Forum is the annual meeting-point for data practitioners from industry, research, the public-sector and the community to discuss the opportunities and challenges of the emerging Big Data Economy in Europe.</p>
	<b>Fusepool participation</b> Luigi Selmi (BUAS)

<b>ICIC 2013, II- SDV 2013 *</b>	2013, Apr 15 to 16
	Nice (France)
	<b>Website</b> <a href="http://www.haxel.com/icic/iisdv">http://www.haxel.com/icic/iisdv</a>
	<b>Short description</b> The meeting will be of interest to those who wish to update themselves and keep in touch with the leading edge of information search and analysis technologies.
	<b>Fusepool participation</b> Anton Heijs
	<b>Fusepool effort</b> Presentation
<b>AISTATS 2013</b>	2013, Apr 29 to 30
	Phoenix (Arizona, USA)
	<b>Website</b> <a href="http://www.cs.utexas.edu/~aistats/">http://www.cs.utexas.edu/~aistats/</a>
	<b>Short description</b> Machine Learning (statistics) conference.
	<b>Fusepool participation</b> Guillaume Bouchard
	<b>Fusepool effort</b> Presentation of the paper "Convex Collective Matrix Factorization" by Bouchard et al.
<b>ICLR 2013</b>	2013, May 2 to 4
	Phoenix (Arizona, USA)
	<b>Website</b> <a href="https://sites.google.com/site/representationlearning2013">https://sites.google.com/site/representationlearning2013</a>
	<b>Short description</b> ICLR is one of the main conference in distributed knowledge representation, i.e. the ability to represent knowledge using continuous representations such as vectors. This domain is in rapid expansion due to the recent success in image categorization, speech recognition and video understanding.
	<b>Fusepool participation</b> Guillaume Bouchard (Xerox)

<b>SMAI BIGDATA Workshop</b>	2013, May 29 to 31
	Seignosse ( France)
	<b>Website</b> <a href="http://smai.emath.fr/smai2013/programme_minisymposia.php">http://smai.emath.fr/smai2013/programme_minisymposia.php</a>
	<b>Short description</b> Big Data workshop organized by Xerox.
	<b>Fusepool participation</b> Guillaume Bouchard
	<b>Fusepool effort</b> Workshop organization.
<b>4<sup>th</sup> ENoLL Summer School</b>	2013, Aug 27 to 30
	Manchester (UK)
	<b>Website</b> <a href="http://openlivinglabdays14.com/">http://openlivinglabdays14.com/</a>
	<b>Short description</b> OpenLivingLab Days is the annual summit of the worldwide Living Lab community integrated with the popular ENoLL Summer School.
	<b>Fusepool participation</b> Ana Garcia (ENoLL) Gijs van Rijn (ENoLL) Fusepool was promoted on the website of the event.
	<b>Fusepool effort</b> No specific effort allocated/reported to this event. Ana Garcia and Gijs van Rijn answered questions from attendees interested in the project.

<b>OKF Festival Geneva</b>	2013, Sep 16 to 18
	Geneva (Switzerland)
	<b>Website</b> <a href="http://okcon.org/">http://okcon.org/</a>
	<b>Short description</b> In the last few years we've seen government open data initiatives grow from a handful to hundreds, and we've seen open data become important in areas such as research, culture and international development. This event will explore how open data is not only expanding geographically but also touching new sectors and new areas. How should governments and international institutions such as the UN react to these changes? How should business take advantage of new opportunities and contribute to the open data economy? How do citizens and civil society organizations turn data into accountability and into change?
	<b>Fusepool participation</b> Adrian Gschwend (BUAS) Michael Kaschesky (BUAS). Eduard Klein (BUAS) Michael Luggen (BUAS)
<b>Fusepool effort</b> Discussions and networking during OKF provided us with the opportunity to introduce Fusepool and World Wide Web Consortium (W3C)-approved semantic principles to the open data community.	
<b>ECML/PKDD 2013</b>	2013, Sep 23 to 27
	Prague (Czech Republic)
	<b>Website</b> <a href="http://www.ecmlpkdd2013.org/">http://www.ecmlpkdd2013.org/</a>
	<b>Short description</b> The "European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases" is the premier European machine learning and data mining conference and builds upon a very successful series of 23 ECML and 16 PKDD conferences, which have been jointly organized for the past 12 years.
	<b>Fusepool participation and effort</b> William Darling (Xerox)
<b>Fusepool effort</b> XEROX was presenting a paper on error prediction in pipeline processing systems (ECML).	



<b>Semantic Web Day</b>	2014, Jan 29
	Bern (Switzerland)
	<b>Website</b> <a href="http://www.bar.admin.ch/aktuell/00431/01503/index.html?lang=de&amp;msg-id=52042">www.bar.admin.ch/aktuell/00431/01503/index.html?lang=de&amp;msg-id=52042</a>
	<b>Short description</b> The Swiss Federal Archive organized the “Semantic Web Day@Swiss Federal Archive” as an event where interested government organizations, Universities and external companies exchanged know how about Linked Open Data.
	<b>Fusepool participation</b> Adrian Gschwend (BUAS)
	<b>Fusepool effort</b> BUAS participated with multiple presentations including one about the Fusepool project and its outcome.

<b>3<sup>rd</sup> EDF 2014</b>	2014, Mar 19 to 20
	Athens (Greece)
	<b>Website</b> <a href="http://2014.data-forum.eu/">http://2014.data-forum.eu/</a>
	<b>Short description</b> EDF is the annual meeting-point for data practitioners from industry, research, the public-sector and community initiatives, to discuss the opportunities and challenges of the emerging Data Economy in Europe.
	<b>Fusepool participation</b> Adrien Czerny (Xerox) Ana Garcia (ENoLL) Michael Kaschesky (Swissdat) Luigi Selmi (BUAS) Song Song (iMinds)
	<b>Fusepool effort</b> Fusepool presented results at the Fusepool exhibition booth. The exhibition was very interactive and constructive. It gave the visitors opportunities to experiment and gain hands-on experience on the Fusepool front-end. The Fusepool potential and current results were showed to the visitors through diverse materials such as flyers, video materials and the Fusepool online platform. Explicit information about the Fusepool Open Call for developers were well promoted and attracted wide interests from the EDF visitors. In the very short time of two days’ exhibition, the Fusepool team has shared and promoted the project upcoming activities with visitors very effectively. A short report of the Fusepool participation in the event can be found in Appendix 1. The proposal for exhibition can be found in appendix 2

<b>Apache Conference</b>	2014, Apr 5 to 9
	Denver (USA)
	<b>Website</b> <a href="http://events.linuxfoundation.org/events/apachecon-north-america">http://events.linuxfoundation.org/events/apachecon-north-america</a>
	<b>Short description</b> ApacheCon brings together the open source community to learn about and collaborate on the technologies and projects driving the future of open source, big data and cloud computing.
	<b>Fusepool participation</b> Reto Gmür (BUAS)
	<b>Fusepool effort</b> Presentation “Building the Fusepool Platform on Apache Software”

<b>Data Hack Award 2014</b>	2014, Apr 11 to 12
	Berlin (Germany)
	<b>Website</b> <a href="http://datahackaward.org/">http://datahackaward.org/</a>
	<b>Short description</b> Data Hack Award 2014 calls data users, modelers, developers, designers, analysts and all! Take up the challenge: make the most of open data and open-source linked data tools and get knowledge into apps! Contribute to one or more of the four challenges: Use cases, Refine data, Reuse data, Release data.
	<b>Fusepool participation</b> Adrian Gschwend (BUAS) Gabor Remenyi (Geox) Tamàs Prajczar (Geox) Daniel Van Adrichem (Trepapel) Michael Kaschesky (Swissdat)
	<b>Fusepool effort</b> Fusepool organised the Bootcamp for the first European Data Hack Award 2014.

<b>ICLR 2014</b>	2014, April 14 to 16
	Banff (Canada)
	<b>Website</b> <a href="https://sites.google.com/site/representationlearning2014">https://sites.google.com/site/representationlearning2014</a>
	<b>Short description</b> ICLR is one of the main conference in distributed knowledge representation, i.e. the ability to represent knowledge using continuous representations such as vectors. This domain is in rapid expansion due to the recent success in image categorization, speech recognition and video understanding.
	<b>Fusepool participation</b> Guillaume Bouchard (Xerox)
	<b>Fusepool effort</b> In 2014, there was a strong effort in this community to apply similar representation on structured data, and in particular in Linked Open Data. Fusepool was presented in this context.

<b>Data Hack Award 2014</b>	2014, May 16 to 17
	Berlin (Germany)
	<b>Website</b> <a href="http://datahackaward.org/">http://datahackaward.org/</a>
	<b>Short description</b> Data Hack Award 2014 calls data users, modelers, developers, designers, analysts and all! Take up the challenge: make the most of open data and open-source linked data tools and get knowledge into apps! Contribute to one or more of the four challenges: Use cases, Refine data, Reuse data, Release data.
	<b>Fusepool participation</b> Adrian Gschwend (BUAS) Michael Kaschesky (Swissdat) Gabor Remenyi (Geox) Tamàs Prajczér (Geox) Luca Szabo (Geox) Daniel Van Adrichem (Trepapel)
	<b>Fusepool effort</b> Fusepool organised the first European Data Hack Award 2014 and awarded small contracts to the winning teams to develop their data integration idea into a mini prototype.

<b>11th ESWC</b>	2014, May 25 to 29
	Heraklion (Crete)
	<b>Website</b> <a href="http://2014.eswc-conferences.org/">http://2014.eswc-conferences.org/</a>
	<b>Short description</b> The “Extended Semantic Web Conference” is a major venue for discussing the latest scientific results and technology innovations around semantic technologies. Building on its past success, ESWC is seeking to broaden its focus to span other relevant research areas in which Web semantics plays an important role.
	<b>Fusepool participation</b> Michael Luggen (BUAS)
<b>Fusepool effort</b> Paper presentation	

<b>Fusepool Public Workshop</b>	2014, June 25
	Brussels (Belgium)
	<b>Website</b> <a href="http://www.fusepool.eu">www.fusepool.eu</a>
	<b>Short description</b> The main topic of Fusepool’s Public Workshop was to bring together the Fusepool ecosystem (parties involved in the project) to share final project results and experiences with Fusepool project partners, users and developers. Dissemination of project results to a public audience. Public presentation and demonstration of the prototypes developed through the Open Call for developers. Gather final feedback from all the Fusepool selected users and developers.
	<b>Fusepool participation</b> <b>As presenters:</b> Guillaume Bouchard (Xerox). Stéphane Gamard (Searchbox). Ana Garcia (ENoLL). Thomas Gehrig (BUAS). Adrian Gschwend (BUAS). Michael Kaschesky (Swissdat). Gabor Remenji (Geox). Luca Szabo (Geox). Daniel van Adrichem (Trepapel). <b>As participants:</b> Greet Pouwels (iMinds). Tamas Prajczar (Geox) Mostly all users and all developers involved in Fusepool through the open calls were also present.
	<b>Fusepool effort</b> Concept, organization and realization by ENoLL. Presentation and discussion of results by all consortial partners. This workshop had around 50 physical attendees and over 50 virtual attendees all over Europe (the workshop was web-streamed). Videos from the workshop can be found in the Fusepool Youtube channel ( <a href="https://www.youtube.com/channel/UCpJ4gryj9ckhRrgCqBeufVQ">https://www.youtube.com/channel/UCpJ4gryj9ckhRrgCqBeufVQ</a> ) Agenda and other preparatory materials can be found in Appendix 3.

<b>30th UAI 2014</b>	2014, July 23 to 27
	Quebec City (Canada)
	<b>Website</b> <a href="http://convention.qc.ca/en/events/30th-conference-uncertainty-artificial-intelligence-uai-2014">http://convention.qc.ca/en/events/30th-conference-uncertainty-artificial-intelligence-uai-2014</a>
	<b>Short description</b> The “Conference on Uncertainty in Artificial Intelligence” UAI is the main conference in the management of uncertainty in artificial intelligence. The domain of statistical relational learning is rapidly growing: several approaches are today proposed to predict missing values in a database and detect outliers.
	<b>Fusepool participation</b> Guillaume Bouchard (Xerox)
	<b>Fusepool effort</b> The work on tensor factorization was presented in this context.

## 5 Publications for scientific dissemination

### 5.1 Aid to regional development agencies: finding and matching research funding opportunities

In: Proceedings of the 13th Annual International Conference on Digital Government Research

Date: June 2012

#### Website

<http://dl.acm.org/citation.cfm?doid=2307729.2307732>

#### Topic to be addressed related to Fusepool

Regional development agencies are confronted with a plethora of research funding programs that provide opportunities for regional research groups and SMEs. This paper describes the practical benefits and technological building blocks of an online matching service of research profiles with funding opportunities.

It gives an overview of the infrastructure for data sourcing and processing based on a scalable cloud computing platform. It then describes how data is consolidated, analyzed, and interlinked so as to facilitate the finding and matching of funding opportunities. Integrating concepts and themes with those available as Linked Open Data (LOD) adds value to finding and matching by interlinking results with publicly available data resources, and to improve search performance for related content on the internet.

In order to optimize matching, the paper describes the user-profiling capabilities based on statistical analyses and machine learning. The paper concludes by discussing the lessons learned so far as well as possible extensions into other application areas.

### 5.2 Fusepool R5 linked data framework: concepts, methodologies, and tools for linked data

In: Proceedings of the 14th Annual International Conference on Digital Government Research

June 2013

#### Website

<http://dl.acm.org/citation.cfm?id=2479748>

#### Topic to be addressed related to Fusepool

The work reported here was done within the applied research project Fusepool. Fusepool is an international project to develop a set of integrated software components to ease the publishing of open data based on an open-source Linked Data Platform and a set of associated best practices.

This article provides researchers and laypersons interested in Linked Open Government Data an overview of the concepts, methodologies, and tools. It introduces the main concepts, such as open government and open government data along with enabling technological approaches such as the semantic web and linked data. It then presents the methodologies for publishing Linked Open Government Data along the R5 framework: Reveal, Refine, Reuse, Release, and Run. The final section discusses the potential impact of the Linked Data Platform as well as areas for further improvement.

### **5.3 7R Data Value Framework for Open Data in Practice: Fusepool**

In: Future Internet (ISSN 1999-5903) – Special Issue "Open Government Meets Social Data"

Received: 2014, March 18

Accepted: 2014, August 14

#### **Website**

[http://www.mdpi.com/journal/futureinternet/special\\_issues/open-government](http://www.mdpi.com/journal/futureinternet/special_issues/open-government)

#### **Topic to be addressed related to Fusepool**

Based on existing literature, this article makes a case for open (government) data as supporting political efficiency, socio-economic innovation and administrative efficiency, but also finds a lack of measurable impact. It attributes the lack of impact to shortcomings regarding data access (must be efficient) and data usefulness (must be effective).

To address these shortcomings, seven key activities that add value to data are identified and are combined into the 7R Data Value Framework, which is an applied methodology for linked data to systematically address both technical and social shortcomings.

The 7R Data Value Framework is then applied to the international Fusepool project that develops a set of integrated software components to ease the publishing of open data based on linked data and associated best practices. Real-life applications for the Dutch Parliament and the Libraries of Free University of Berlin are presented, followed by a concluding discussion.

### **5.4 Scalable binary tensor factorization.**

Beyza Ermis and Guillaume Bouchard.

In proceedings of the conference on Uncertainty

In: Artificial Intelligence, 2014.

### **5.5 Group-sparse embeddings in collective matrix factorization.**

Arto Klami, Guillaume Bouchard and Abhishek Tripathi.

In: International Conference on Learning Representations, 2014.

## 6 Learnings

The consortium was too long focused on technical progress and forgot a specific long-range planning for the time after Fusepool. For being successful with events like Hackathons there is more time needed for marketing and promotion.

The planning of dissemination activities was not actively coordinated between the consortial partners and not explicitly focused on activities after Fusepool. The “lessons learned” after several presentations was not concretely established.

Additionally the technical delay of Fusepool locked dissemination and marketing activities. The main learning for Fusepool P3 is the change of the technical project management to Scrum technology.

On management level the coordinator will establish links and learnings (explicitly in long-range-planning) from Fusepool to Fusepool P3.



## 7 Appendix

### 7.1 Fusepool at EDF2014

Athens, March 19 - 20



#### Report summary

During the European Data Forum (EDF) 2014, Fusepool highlighted the importance of big data and showcased the innovation of a common data platform that provides internationally accessible information for SMEs in healthcare and other sectors.

With this exhibit, Fusepool team shared the advances that they aimed to solve in real-world data challenges: to help SMEs better adapt to and exploit technological and regulatory changes. In order to do so, Fusepool constantly digests large datasets from a variety of sources, such as patents, scientific articles, partner matches, funding opportunities, standards and regulations. Visitors to the stand were able to experience all the available datasets that include millions of patent documents, and around thousand documents related to funding opportunities from the European Framework Programme.

The exhibition was very interactive and constructive. It gave the visitors opportunities to experiment and gain hands-on experience on the Fusepool interface. The Fusepool potential and current results were showed to the visitors through diverse materials such as flyers, video materials and the Fusepool online platform.

Explicit information about the Fusepool Open Call for developers were well promoted and attracted wide interests from the EDF visitors. In the very short time of two days' exhibition, the Fusepool team has shared and promoted the project upcoming activities with visitors very effectively.

## **Introduction**

The European Data Forum (EDF) is an annual meeting place for industry, research, policy makers, and community initiatives to discuss the challenges and opportunities of data in Europe, especially in the light of recent developments such as Open Data, Linked Data and Big Data. It is essential for Fusepool to participate in this major data conference. As a 2-year project partially funded by the European Commission under the FP7, Fusepool aims at developing an user-adaptive Living Knowledge Pool for product development and research.

On Wednesday, March 19<sup>th</sup> and Thursday, March 20<sup>th</sup>, Fusepool hosted an exhibition during the EDF conference to exchange ideas and explore opportunities of the European data economy. The exhibition activities are devoted to Description of work (DOW) task T6.5 '*Cooperation with SMEs for Living Lab involvement and software adoption*' and are part of deliverable D6.3 '*Open Call and Open Competition for SME involvement*'.

The exhibition is a continuing effort in promoting the open call for developers and open competition for users. During the past year, Fusepool technical team has developed the platform. This exhibition is a great opportunity for Fusepool to present and test our platform with the participants and experts from the key European data stakeholders.

The followings chapters describe the preparation phase, the exhibition experiences on set and the total output of the two days.

The entire experience of the two days is illustrated chronically below. First the preparatory activities are described, followed by the objectives. Finally the actual experiences and output are shown with text and impressions with pictures.

## **Preparatory activities**

To organize a successful exhibition, the production of the promoting materials was essential. A specific brochure, roll-up and poster were produced for the event.

Another relevant preparatory activity is the video that used during the exhibition. It contained project introduction, project platform illustration, project partners and user map, SME user activities developed previously and the current open call for developers. By providing a video display, the visitors were able to experience Fusepool more visually. The fusepool platform was also displayed and interested visitors can try out the platform interface.

## Objectives

- Present Fusepool: the Fusepool team to share the advances in real-world data challenges
- Network with other European projects in open data and linked data
- Show the Fusepool potential and current results
- Gather feedback and ideas from the visitors about platform
- Promote open call for developers and user open competition

## Fusepool Supporting Materials

- Flyers
- Roll-ups
- Video materials
- Online Platform

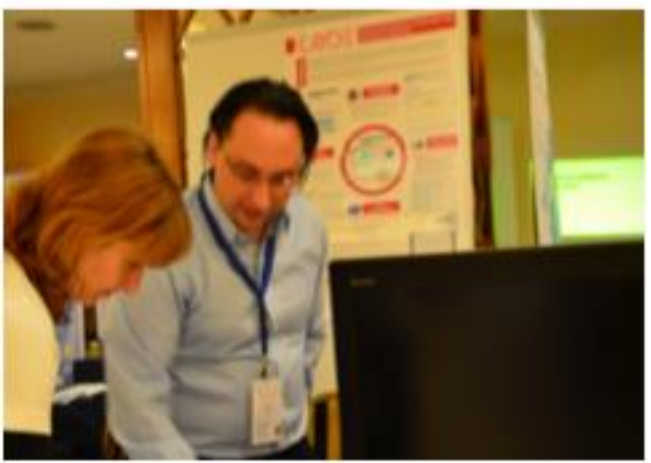


**Interaction with the visitors - Fusepool Platform**

During the two days, Fusepool platform and its functionalities were presented to visitors and attracted interested visitors to sign in to the platform.



**Networking with other EU Projects**



**General output**

The two-day exhibition created some interesting and very useful output. The exhibition was able to attract the right audience to promote its open call as well as the Fusepool platform. When looking at the objectives of the exhibition we can say that it was a success. The project is well presented and shared with the stand visitors and some exercises were done to register the interested potential users.

## 7.2 Fusepool proposal for Exhibit at EDF2014

### Introduction and background information

With this proposal, the Fusepool project team ([www.fusepool.eu](http://www.fusepool.eu)) would like to express its interests in having a Project exhibit at EDF during March 19 and 20, 2014.

Fusepool is a project aiming for fusing diverse data and building tools to analyse and present data through apps. Fusing and pooling information for product and service development and research, the open-source data platform and business ecosystem is funded in part by the EU Seventh Framework Programme (FP7).

Researchers across six European organisations, among them Xerox Research Europe and Bern University of Applied Sciences, are developing Fusepool, a big data integration network with advanced functionalities for healthcare SMEs to track research opportunities and develop their business.

This project is been developed in collaboration with end users, researchers, requirements engineers, data providers, data refiners and platform providers, in order to create a comprehensive ecosystem.

Based on semantics and Linked Open Data (LOD; eg. patents and publications), Fusepool is adding user feedback to derive optimisations for specific user groups. Enabling users to access metadata beyond the capabilities and recommended principles of the World Wide Web Consortium (W3C), Fusepool's method has amplified the possibility of global content sharing.

A multi-step search using keywords is inefficient, for example if you are only interested in documents to find authors, because search terms rarely provide access to highly specific, unknown or uncontextualised information. In contrast, the semantic web adds meaning to data, allowing the targeting of specific data by creating a context, relating the term to other relevant information in the field.

Fusepool recognises the need to search for information within a specific context (information mining based on shared concepts, such as diseases or genes), which is extremely beneficial to medical researchers and practitioners, as their work requires comprehensive yet very accurate data.

The development of Fusepool is aided by the use of Living Labs, forums for research and product, service and process innovation using established working methods in a user-centred environment. Through this community, Fusepool team has been able to collect concrete requirements relating to specific use cases from practitioners.

Fusepool project launched at the end of 2012 an open call for SMEs as end-users, resulting during 2013 in the involvement of a group of SMEs, SMEs intermediaries and Living Labs in co-creation and testing activities. Fusepool project is about to launch an Open call for developers to develop apps, data enhancers and platform extensions until the end of the project.

## Exhibit Proposed Details

Type of exhibit proposed: Project/academic exhibits

Title of the exhibit: Fusepool: Fusing and Pooling Data

Presenter's short biography:

- **Dr. Michael Kaschesky**, Project Coordinator of Fusepool. Michael has worked for over 10 years in the multimedia and internet business, both on the development as well as the marketing side. He coordinated promotion and training for a new global intranet at a world-leading pharmaceutical company. His experience in expert systems covers a wide range of tasks from data sourcing, information mining, knowledge matching, business analytics, and usability of user interfaces. At Bern University of Applied Sciences, he coordinates research efforts with world-leading international partners in the area of advanced information management and analytics.
- **Ana Garcia**, Project Manager at ENOLL. She has a Masters Degree in Telecommunications Engineering and an International Executive MBA. Ana has a strong industrial and technical background in the ICT industry and has actively worked and collaborated in multiple national, European and international projects dealing with different areas such as R&D, design, implementation, innovation and technology strategy.
- **Song Song**, Researcher at iMinds. Song held a master degree in Communication Studies of VUB and obtained her bachelor degree in Engineering in 2008. In between, she has over 3 years' experiences in communication and project coordination. Song collaborates in the Fusepool project by supporting user engagement and dissemination activities.

## Summary of the exhibition

Fusepool will highlight the importance of big data and showcase the innovation of a common data platform that provides internationally accessible information for SMEs in healthcare and other sectors.

With this exhibit, Fusepool is ready to share the advances that we aimed to solve real-world data challenges: to help SMEs better adapt to and exploit technological and regulatory changes. Fusepool constantly digests large datasets from a variety of sources, such as patents, scientific articles, partner matches, funding opportunities, standards and regulations. Available dataset for the exhibition will include millions of patent documents, and around thousand documents related to funding opportunities from the European Framework Programme.

Visitors to the stand will be able to:

1. Understand Fusepool and the Fusepool potential and current results: supported by flyers, video materials and explanations from the Fusepool team.
2. Experiment and experience the Fusepool platform and available applications: hands-on experience with the possibility to join the Fusepool Open Competition.
3. Get information about the Fusepool Open Call for developers, and interact with the Fusepool team if interested in participating.

## 7.3 Agenda and materials from the Fusepool final public workshop



### Fusepool public workshop and showcase

Brussels, June 25<sup>th</sup>, 2014, The Event Lounge

09:00 – 09:30	Arrival, registration and coffee
09:30 – 09:45	<b>Welcoming and Fusepool overview / Opening the online competition</b> (Thomas Gehrig, BUAS / Ana Garcia, ENoLL)
09:45 – 11:15	<b>Fusepool SME</b> A series of public lectures by Fusepool partners and public showcase and demonstration of the Fusepool functionalities and potential
	1 <b>Fusepool overview</b> (Adrian Gschwend, BUAS)
	2 <b>ETL process</b> (Extract transform Load) (Adrian Gschwend and Reto Gmus, BUAS) <b>Name Entity Recognition</b> (Gabor Remenji, GEOX)
	3 <b>Visualization / Fusepool front-end</b> (Luca Szabo, GEOX) <b>Landscape visualization</b> (Daniel van Adrichem, Trepapel)
	4 <b>Machine Learning framework</b> (Guillaume Bouchard and Julien Perez, XEROX Research) <b>Adaptive visualization</b> (Guillaume Bouchard, XEROX Research, and Luca Szabo, GEOX)
11:15 – 11:30	Coffee break
11:30 – 13:30	<b>Demo-presentations-pitch by the early adopters</b> 5/6 developers (early adopters) selected through the Fusepool Open call for developers will present their results.
13:30 – 14:30	Networking lunch
14:30 – 15:00	<b>Fusepool SME sustainability and lessons learnt</b> Michael Kaschesky, Swissdat, and Adrian Gschwend, BUAS
15:00 – 16:00	<b>The voice of the Fusepool SME users</b> Several SMEs involved in the Fusepool project as users will provide different views about Fusepool
16:00 – 16:30	<b>Summary of the day, final remarks and closing of the day</b>
16:30 – 18:00	<b>Networking drinks</b>

The event will be life-streamed: <http://www.becom.be/fusepool/>

Interact with the speakers/Fusepoolers through twitter: @Fusepool #Fusepool

