European Data Forum 2015

November 16-17, 2015
Centre de Conférences Kirchberg | 4, place de l'Europe | L-1499 Luxembourg

Call for Contributions

Theme of EDF2015
Exploiting Data Integration

http://2015.data-forum.eu/

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 the Global and European data economy. Spurred by recent developments such as Big Data and Data-driven Business, data has become the fourth production factor (next to personnel, capital, and natural resources), which offers completely new opportunities and at the same time it confronts us with novel challenges. The forum balances technical, business-oriented and socio-economic, perspectives and approaches in order to develop a vibrant, interdisciplinary stakeholder community. Special focus will be devoted to innovation and business opportunities opened by data technologies and their exploitation, in the perspective of a digital single market in Europe.

EDF 2015 intends to bring together all stakeholders (industry and research institutions) involved in the data value chain in order to strengthen the European data economy and its positioning worldwide. Specifically, the forum will serve as a platform and a business and technology oriented exhibition space for the 'Data Public Private Partnership' established by the European Commission and the European data community. Stakeholders will mutually reinforce their strategies, which will result in a forward-looking, dynamic, and well-integrated EU-wide data ecosystem.

In the conviction that the potential of the data economy strongly relies on the capacity to manage the multitude and variety of data that are produced, the major focus of EDF 2015 is "data integration". In this perspective the conference will be an opportunity to discuss and confront experiences where the integration of data form multiple sources (e.g. videos and text), actually produces added value, and where innovative technologies (e.g. combining structured and unstructured data) may contribute to open new application scenarios towards the digital single market in Europe.

With this call for contributions we are seeking inspiring presentations addressing concrete experiences addressing all aspects of data integration.

Conference Topics

The following is a non-exhaustive list of specific topics of interest at EDF 2015:

- More and more data is produced directly from sensors or other technical devices. Therefore, EDF wants to offer a forum for sensor systems as well as high performance computing and analytics on large-scale European datasets. Only by making sensor data smarter and at the same time increasing our analytics performance will we be able to handle the data tsunami expected. EDF will provide show off examples demonstrating how the European industry

approaches those problems.

- It can be expected that European companies will predominantly benefit from the application of data-driven technology and business approaches to their application domains. Therefore, it is critical that we tackle the divide of domain knowledge (mainly available within expert's heads) and big data analytics. Only the development of mechanisms which enable to utilize preexisting knowledge within analytics engines as well as discovering new knowledge from analytics results is essential. The EDF will be instrumental in bringing communities from research fields as different as human factors, visual analytics, and machine learning together.
- The European data economy will need a large number of data scientists of various types. Already now qualified personnel is scarce. It will be crucial to foster high-quality qualification programs both on the technical aspects of data science as well as in the application and sense making within the application areas. The EDF will address this need by offering a space to discuss qualification needs and possible programs as well as foster such programs on European as well as national level.
- Because of the strategic importance of multilingualism in Europe, a specific topic of interest of EDF is the integration and co-operation of the European data community with the language resources, natural-language and technology communities. The synergy of these communities is critical for new types of multilingual digital services and the creation of a European digital single market without language barriers.

EDF 2015 will be held in Luxembourg, on November 16-17, 2015. The program will consist of a mixture of presentations, panels and networking sessions by industry, academics, policy makers, and community initiatives. Topics will cover a wide spectrum of research and technology development, applications, and socio-economic aspects of the data value chain, with a particular attention at exploiting data integration.

We distinguish between the following types of presentations:

- *In-use contribution*: Presentations with a practical, industry- or user-oriented focus by representatives of technology providers, adopters, and user organizations. Innovative data applications in different sectors of the European Economy (public sector, finance and insurance, health, energy, telecommunications etc.), Open Data in use, Domain knowledge & analytics (human in the loop)
- *Research contribution*: Presentations with a technical focus reporting concrete experiences by representatives of academia and research centres. This includes new data models and languages, optimized architectures, content analytics, data mining, blind data analytics, predictive analytics, deep data, predictive models, semantic technologies & the web of data, language resources and technologies, geospatial data techniques, visual analytics, sensemaking of big data, ubiquitous computing and augmented reality as well as adaptive systems for contextualization and personalization.
- *Impact contribution*: Presentations with a specific focus on impact-creation activities including policy development, road-mapping, standardisation, exploitation and training, data-driven business models, legal issues, privacy and Data Literacy Policies and the European regulatory framework, Data Governance (Security, Provenance, and Anonymization), Socio-economic and policy issues of Open Data.

Topics

Industrial Applications

- Domain knowledge & analytics (human in the loop)
- Innovative data applications in different sectors of the European Economy (public sector, finance and insurance, health, energy, telecommunications etc.)
- Data for development
- Open Data in Use

Data Management & Deep Analytics

- New data models and languages
- Optimized architectures
- Deep data and content analytics and data mining
- Blind data analytics
- Predictive analytics
- Semantic Technologies & the Web of Data
- Language Resources, Processing and Technologies
- Geospatial Data Techniques

Advanced Visualization & User Experience

- Visual analytics
- Sensemaking of big data
- Ubiquitous computing and augmented reality
- Adaptive systems for contextualization and personalization
- Qualification programs and teaching approaches of sense making and big data

Socio-economic and Policy Issues

- Economic and business models for Big Data markets
- Data-driven business models
- Legal issues (who owns the data?), Privacy and Data Literacy
- Policies and the European regulatory framework
- Data Governance: Security, Provenance, and Anonymization Techniques
- Socio-economic and policy issues of Open Data

Data Visions for the Future

Submissions

Each proposal for a presentation will have to provide the following information:

- Contributor names and short CVs
- Type of the pres**ent**ation proposed
- Title of the presentation
- Summary of the presentation (<100 words)
- Extended abstract of the presentation (at most 2 pages in 11pt A4 format)

Proposals for presentations should be submitted as a single PDF file at https://easychair.org/conferences/?conf=edf2015 .
If you experience any difficulties using the submission system, please send the proposal via e-mail to edf2015@data-forum.eu.
Proposals will be reviewed by the Organizing Committee of EDF 2015 according to their relevance to the scope and purpose of the event.

Important Dates

Submission of proposals: May 15 2015, 23:59 WET

Notification of acceptance or rejection: June 5 2015

Full EDF2015 program available: end of July 2015

Further Information about the European Data Forum 2015

EDF2015 website: http://2015.data-forum.eu/

Overall EDF website: http://www.data-forum.eu/

LinkedIn Group: http://bit.ly/linkedin-EDF

Twitter: https://twitter.com/#!/EUDataForum hashtag: #EDF2015

Free of charge attendance

Who should attend? Industry, academia, policy-makers, decision-takers, civil society
What is happening? Prestigious speakers, Call for presentations, European Data Innovator Award 2015, Exhibitions and demos, Poster session, Gala Dinner, Satellite events

For more details, please visit the conference website: **2015.data-forum.eu**
Download the Save the Date Flyer **here.**

EDF2015 is a EU Presidency Event   **Supported by the European Commission**

Organising Partners

Practical information

Language: English
Duration: 2 days
Dates: November 16-17, 2015
Venue: Centre de Conférences Kirchberg | 4, place de l'Europe | L-1499 Luxembourg
Registration fee: The registration is free of charge, but mandatory.
Registration: Registration opens in May 2015
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Conference website: http://2015.data-forum.eu/