



European Data Forum (EDF) 2013

Elena Simperl (University of Southampton, UK), Michael Hausenblas (*MapR Technologies/DERI, NUI Galway, Ireland*), Deirdre Lee (DERI, NUI Galway, Ireland), Kjetil Kjernsmo (University of Oslo, Norway), Martin Kaltenböck (Semantic Web Company, Austria)

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1 Overview of EDF2013

EDF in a nutshell

The European Data Forum (EDF) 2013 took place from April 9-10, 2013 in Dublin, Ireland in the Croke Park Conference Centre. EDF 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.

The EDF 2013 comprised of keynotes from global experts in the field, a series of submitted talks, as well as a trends, showcase and live networking sessions. Topics included Linked Data, Open Data, and Big Data, with the aim to bring together all stakeholders involved in the data value chain to exchange ideas and develop actionable roadmaps addressing these challenges and opportunities to strengthen the European data economy and its positioning worldwide.

The European Data Forum 2013 was a joint activity of the EC projects:

- BIG (<http://big-project.eu/>)
- LOD2 (<http://lod2.eu/>)
- PlanetData (<http://planet-data.eu/>)
- Optique (<http://www.optique-project.eu/>)
- envision (<http://www.envision-project.eu/>)
- TELEIOS (<http://www.earthobservatory.eu/>)
- EUCLID (<http://euclid-project.eu/>)

The EDF2013 was supported by the European Commission as well as by the Digital Repository of Ireland (<http://www.dri.ie/>), STI International (<http://www.sti2.org/>), DERI, NUI Galway (<http://www.deri.ie/>), and Science Foundation Ireland (<http://www.sfi.ie/>). EDF2013 was an associated event of the Irish Presidency of the Council of the EU (<http://www.eu2013.ie/>).



Mission and objectives

The aim of EDF2013 was to bring together all stakeholders involved in the data value chain to exchange ideas and develop actionable roadmaps addressing these challenges and opportunities to strengthen the European data economy and its positioning worldwide. The roadmaps are meant to be offered as a contribution to the definition of research, development, and policy activities at the level of the European Union institutions and those of its member states.

Following a successful launch in 2012, the 2013 edition of the European Data Forum specifically targeted the following topics:

- *Is the European economy ready for Big Data?* From novel innovation and business models for open and Linked Data, to platforms and marketplaces, policies. What are specifically European challenges and opportunities in this space?
- *Are we reaching out to relevant stakeholders?* Application scenarios and specific technical and non-technical requirements of Big Data providers and consumers in sectors such as Smart Cities, Environmental Research, Geo-Spatial Information, eScience, social media, etc.
- *What does Europe provide in terms of innovative Business Intelligence solutions?* SMEs and other technology providers offering tools to make use of Big Data, taking into account issues such as heterogeneity, quality, reliability, etc. and what is or should be its competitive advantage in this domain

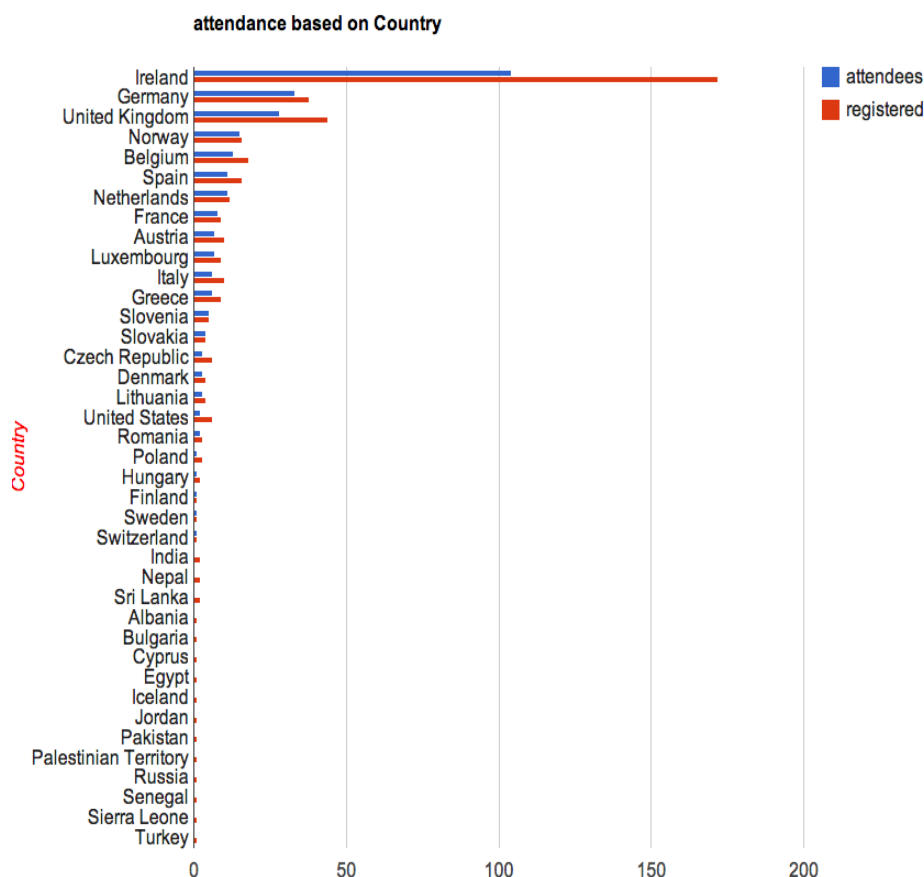
This choice of topics was defined by the organization committee of the conference and drove our efforts to put together a diverse program consisting of keynotes, selected talks, as well as hands-on and networking sessions, as explained in more detail in Section 2.

Registration/Attendee analysis

The total number of registrations for EDF 2013 was 421. Out of this number 276 people attended the conference. The conference offered a number of travel grants for European SMEs and other organizations from a total of 14 applications for such funding. The guidelines and eligibility criteria can be found at <http://2013.data-forum.eu/conference-venue/edf2013-travel-grant>. The following sections provide an analysis of the participation by country, type of organization, and role they play in the organization.

Attendees by country

People from 39 different countries registered. Attendees were from 24 different countries.

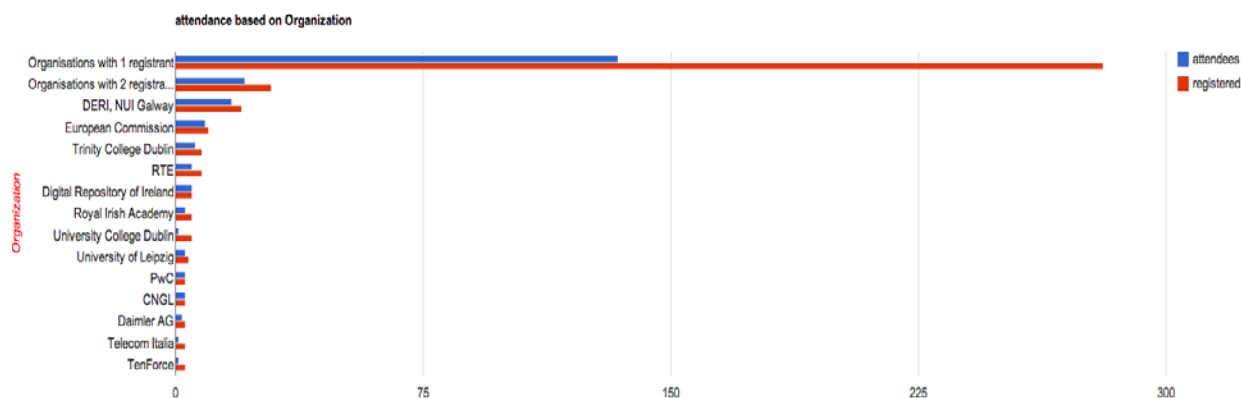


		Registered	Attended
1.	Ireland	172	104
2.	Germany	38	33

3.	United Kingdom	44	28
4.	Norway	16	15
5.	Belgium	18	13
6.	Netherlands	12	11
7.	Spain	16	11
8.	France	9	8
9.	Austria	10	7
10.	Luxembourg	9	7
11.	Greece	9	6
12.	Italy	10	6
13.	Slovenia	5	5
14.	Slovakia	4	4
15.	Czech Republic	6	3
16.	Denmark	4	3
17.	Lithuania	4	3
18.	Romania	3	2
19.	United States	6	2
20.	Finland	1	1
21.	Hungary	2	1
22.	Poland	3	1
23.	Sweden	1	1
24.	Switzerland	1	1
25.	India	2	0
26.	Nepal	2	0
27.	Sri Lanka	2	0
28.	Albania	1	0
29.	Bulgaria	1	0
30.	Cyprus	1	0
31.	Egypt	1	0
32.	Iceland	1	0
33.	Jordan	1	0
34.	Pakistan	1	0
35.	Palestinian Territory	1	0
36.	Russia	1	0
37.	Senegal	1	0
38.	Sierra Leone	1	0
39.	Turkey	1	0
	Total	421	276

Attendees by organization

People from 330 different organizations registered and attendants were from 214 different organizations.



		Registered	Attended
1.	DERI, NUI Galway	20	17
2.	European Commission	10	9
3.	Trinity College Dublin	8	6
4.	Digital Repository of Ireland	5	5
5.	RTE	8	5
6.	Royal Irish Academy	5	3
7.	PwC	3	3
8.	University of Leipzig	4	3
9.	CNGL	3	3
10.	Daimler AG	3	2
11.	University College Dublin	5	1
12.	Telecom Italia	3	1
13.	TenForce	3	1
14.	Organisations with 2 registrants	29	21
15.	Organisations with 1 registrant	281	134

Attendees by position in their organizations

98 people indicated having a position in university,¹ 59 of these attended. 95 people indicated holding an executive position,² 59 of these attended. Below is a tag cloud of the words people used to describe their positions.

¹ Those are people who filled one of the following in the position field: student, professor, researcher, lecturer.

² Those are people who have the word CEO, CTO, president, head of, chairman, chairperson or director in the position field.

adviser adviser analyst architect assistant associate business ceo chairman
consultant coordinator cto data development digital director
fellow founder head information lecturer linked manager
officer phd policy postdoctoral professor programme project
research senior software systems unit

Sponsors and supporters

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. We offered a selection of sponsorship packages targeting all these stakeholders (see Figure 1), which attracted a mixture of technology providers, end-user organizations, and research projects. We are grateful for the support and participation of two platinum sponsors, three gold sponsors, and three silver sponsors as follows:

- Platinum sponsors
 - Eccenca (<http://www.eccenca.com/>)
 - LDBC (<http://ldbc.eu/>)
- Gold sponsors
 - MonetDB (<http://www.monetdb.org/>)
 - ScraperWiki.com (<http://scraperwiki.com/>)
 - Siemens (<http://www.siemens.com/>)
- Silver sponsors
 - GeoKnow (<http://www.geoknow.eu/>)
 - SpagoBI by Engineering Group (<http://www.spagoBI.org/>)#

Sponsorship Packages		Platinum (€4,000)	Gold (€2,500)	Silver (€1,000)	Exhibit (€1,000)	Media*
Visibility in Conference Programme, name & logo plus...	Full Page	✓				
	Half Page		✓			
	-			✓		✓
Visibility in Conference Bag	2 A4 Pages	✓				
	1 A4 Page		✓			
Sponsor name displayed in conference press release		✓	✓	✓		✓
Sponsor name mentioned in opening and closing keynotes		✓	✓			
Table in Exhibition Hall to promote organization/product(s)		✓	✓		✓	
Visibility in Conference Hall (1 poster)		✓	✓			
Sponsor logo displayed on plasma screens around conference		✓	✓			
Sponsor logo included in post-conference video		✓	✓	✓		✓
Linked logo on event webpage		✓	✓	✓		✓
Access to event media room with access to at least 2 invited speakers for interviews						✓

Figure 1: Sponsorship packages of EDF2013

Acquiring a critical mass of sponsorship proved to be one of the most challenging aspects of conference organization in 2013. While interest from the industry increased compared to the first edition of the conference, there is significant room for improvement in particular with respect to the representation of major industrial players in the data value chain. A viable option seemed to associate sponsorship with keynote and invited talks; independently of this option, it is recommended that sponsorship efforts are initiated as early as possible, as this also has a positive effect on the planning of the technical program of the conference, thus making the overall event more attractive for further participants and potential sponsors. Securing the support of several important Big Data players early in the process is expected to be essential for the further growth of the EDF.

2 Main program, including speakers, Innovation Award, accepted submissions, call for contributions, submission numbers and acceptance rates (Elena)

The main conference

The program of EDF2013 consisted of a mixture of keynotes, invited talks and accepted talks which have been submitted by various stakeholders in the European data value chain in response to a call for presentations issued by the EDF2013 organization committee. The choice of talks was motivated by several criteria. First and foremost, the organization committee had a vested interest to put together a program that is representative and relevant for a wide range of organizations involved in the European data ecosystem. This influenced the selection of topics (technology, case studies, policy-oriented, research) and speakers (private organizations of different sizes, operating in various industrial sectors, public administration, including data providers and policy makers, and research centers). Second, and fully aligned with the mission of the EDF, the organization committee understood the Dublin event as a critical instrument to support and strengthen a thriving data economy in Europe. As such we were interested in promoting institutions based or having a strong European presence. In the following we will elaborate on the three components of the main program.

Opening session

The opening session consisted of a mixture of short speeches from different officials of the EU and the Irish hosts. After the welcome by the general chairs together with Marta Nagy-Rothengass, Head of Unit "Data Value Chain" at European Commission, Directorate General for Communications Networks, Content and Technology, the session continued with a video message by Neelie Kroes, Vice President of the European Commission, in charge of the Digital Agenda, followed by speeches by

- Roberto Viola, Deputy Director General at European Commission, Directorate General for Communications Networks, Content and Technology;
- Prof. Mark Ferguson, Director General Science Foundation Ireland and Chief Scientific Adviser to the Government of Ireland; and
- Minister Alan Shatter, Minister for Justice, Equality and Defence of Ireland.

The video message by Commissioner Neelie Kroes is available on YouTube at http://www.youtube.com/watch?feature=player_embedded&v=jIEqdz31-9M



Keynotes

In addition to the prestigious speakers in the welcome session, the European Data Forum welcomed several technical and business-oriented keynotes:

- Gerhard Kreß, Director Strategic IT at Siemens AG, speaking about the use of Big Data technologies in industrial applications at Siemens.
- Ingo Brenckmann, Senior Development Manager and leader of the SAP HANA product management team, speaking about in-memory computing as a means to master performance in a Big Data landscape.
- Knut Sebastian Tungland, Statoil ASA, Chief Engineer IT, speaking about the Big Data challenges and the need of large corporations in the oil and gas industries to understand the data they own and produce.
- Michael Gorriz, Daimler AG, CIO and Head of Information Technology Management introduced a project at Daimler which applied Linked Data and semantic technologies in order to enable data integration and intelligent search. This presentation was part of the European Data Innovation Award. This award was introduced in 2013, with the support of Eccenca, one of our platinum sponsors. The winner was introduced by Roberto Viola, Deputy Director General at European Commission, Directorate General for Communications Networks, Content and Technology, and Hans-Christian Brockmann, CEO Eccenca, as award sponsor.



- V. Richard Benjamins, Telefonica Digital, Director Business Intelligence, addressing the risks and opportunities associated with the rise of Big Data, and their impact on European economy.
- Stefan Decker, Professor for Digital Enterprise & Director of DERI, National University of Ireland, Galway giving an overview of the Big Data landscape in Ireland.

Executive panel on Big Data

The EDF2013 hosted an Executive Panel on Big Data, which brought together six executives of data and knowledge-intensive organizations from various sections of the European economy:

- Richard Benjamins, Telefonica Digital
- Michael Gorriz, Daimler
- François Bourdoncle, Exalead
- Gerhard Kress, Siemens
- Gary Evans, EMC
- Roberto Viola, DG Connect of EC

The panel was moderated by Prof. Dieter Fensel, STI Innsbruck, University of Innsbruck, Austria, as representative of the BIG European project. More information about the panel can be found at <http://2013.data-forum.eu/edf2013-executive-panel-big-data>.



Language technology panel: Unlocking the data treasure chest

A second panel was organized on the second day of the conference. While the Big Data executive panel covered issues related to the management of large amounts of heterogeneous and rapidly changing data sets, this panel focused on data that has a language dimension attached to it. There were three panelists from industry and academia:

- Hans-Ulrich von Freyberg, CEO Cocomore AG
- Philippe Wacker, Secretary General LT-Innovate
- Hans Uszkoreit, Scientific Director DFKI GmbH

The panel was moderated by Gudrun Magnusdottir, CSO and Chairperson ESteam. More information is available at <http://2013.data-forum.eu/panel-language-technology>.

As a general comment to the topic coverage of EDF2013, the organization committee recommends a more timely and substantial involvement of language technologies stakeholders. Having a stronger representation of this this core component of the data value chain is an opportunity to reach out to new communities and increase the visibility of the event.

Invited and selected talks

The remaining program of the main conference was structured as a mixture of talks oriented towards research challenges, technology, standards and policies, as well as use case requirements and case study presentations. From a total of 29 talks, 21 talks have been selected in response to an open call for contributions and the remaining 8 were invited talks suggested by the organization committee. This methodology ensured a balance between topics covering the mission of EDF, different types of stakeholders, and interest of the broader community. The call for contributions attracted a great deal of attention; we received 61 submissions, of which 21 were selected by the organization committee for presentation in Dublin. The talks were organized in sessions as follows:

- Challenges of the data economy
- Best practices
- Challenges of the Irish data economy
- The power of open data
- Research and technology
- Impact of big and open data
- Open data
- Case studies and experiences

Exhibition

We received 30 submissions and all were accepted as they matched the capacity of the venue exactly. Of the 30 submissions, 7 were commercial sponsors, 12 were Irish submissions, and 11 were academic or EC projects. The exhibits were generally staffed by the exhibitors the entire second day of the conference, but the period between 12 and 14 had no competing programme and in that period, the exhibition was very well attended by participants.

Other tracks

In addition to the main track, the conference offered a side track. The side track sessions were well attended and some report of long and lively discussions into the coffee breaks. The format of side track sessions included tutorials, applications/technology sessions, and regular talks for a more narrow audience than the main track talks. The title of the side track sessions were:

- Introduction to Big Data, a tutorial held by Marko Grobelnik, JSI, Slovenia. The slides as well as more information about this tutorial are available at <http://2013.data-forum.eu/tutorial-introduction-big-data>.
- Earth Sciences, a session chaired by Manolis Koubarakis, University of Athens, Greece and organized by the TELEIOS project (<http://www.earthobservatory.eu/>)
- Towards a data science curriculum for professionals, chaired by John Domingue, The Open University, UK, on behalf of EUCLID (<http://www.euclid-project.org/>).
- Introduction to the Big Data Public Private Forum, chaired by Tilman Becker, DFKI, Germany, on behalf of the BIG project (<http://big-project.eu/>).

Dissemination

Interviews and video summary

Highlights of the event were captured in a series of short video interviews available on YouTube at

http://www.youtube.com/playlist?list=PLcyvKLe4w9ExYVWS5RIvGZReIc1_nz2fS. In

addition, the conference team also produced a video teaser of the overall event including interview snippets and impressions. It is available at

http://www.youtube.com/watch?v=2iYswsLDBSA&list=PLcyvKLe4w9ExYVWS5RIvGZReIc1_nz2fS&index=1.



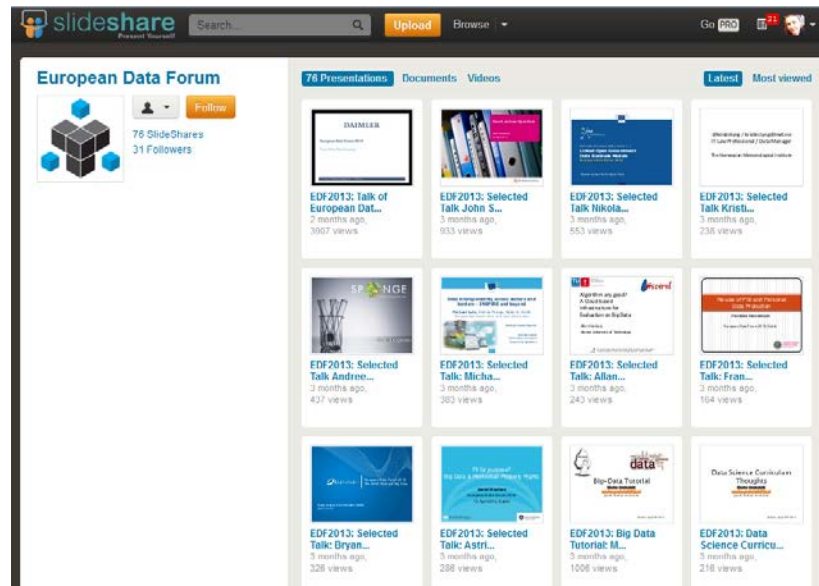
Slideshare and videolectures.net

A large majority of the presentations are available as slide decks on SlideShare at

<http://www.slideshare.net/EUDataForum/presentations>. Recordings of the talks were

kindly made available by videolectures.net and can be seen at

http://videlectures.net/dataforum2013_dublin/ in collaboration with the FP7 Network of Excellence PlanetData.



videlectures.net

exchange ideas & share knowledge

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European Data Forum (EDF), Dublin 2013

The European Data Forum (EDF) 2013 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.

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Visit the [European Data Forum 2013 website](#) for more information.

Categories

Top » Computer Science » Big Data

Top » Computer Science » Data Visualisation

Top » Social Sciences » Law » Regulations

Top » Business » Management » Knowledge Management

Storify

DERI and the Digital Repository of Ireland created a social-media-centric summary of the 2013's edition of the European Data Forum. The results are available at <http://www.dri.ie/edf2013-conversation>.

Day 1

9:00-11:00 Opening Sessions & Award
11:30-12:30 Morning Session
14:00-15:45 First Afternoon Session
16:15-18:00 Second Afternoon Session & Closing
Sidetrack Sessions

Day 2

9:00-12:00 Morning Sessions
14:00-15:45 First Afternoon Session
16:15-17:30 Second Afternoon Session & Closing
Sidetrack Sessions
EDF2013 Exhibitors


Date: 26 Mar 2014
Location: Dublin, Ireland
DRI and INSIGHT are hosting the third plenary of the Research Data Alliance
[Read more](#)


Drupal Developer Days


Date: 28 Jun 2013
DIT Aungier St. is hosting the fourth European Drupal Developer Days
[Read more](#)

● **Twitter Feed**

Tweets [Follow](#)

 **Beck** @Beck_Grant 19 Jul
Dpc training in sustainability, The Hague, Oct/Nov 2013
[@dri_ireland](#)
[@SandriCollins](#)
t1 Retweeted by Digital Repository
Expand


 **Digital Repository** 20 Jul
[@dri_ireland](#)
Smart Cities: How do we Build the Cities of Tomorrow: Hugh Green at TEDxEmory | [@scoopit sco.16ioe5x](#)
[Show Summary](#)

 **Digital Repository** 19 Jul
Tweet to [@dri_ireland](#)

Storify by Digital Repository of Ireland 3 months ago

Day 1: 9:00 - 11:00 Opening Sessions & Award

There was an exciting atmosphere as more than 400 people from around the world gathered at Croke Park (Dublin's 80,000 seater stadium for Gaelic sports) for the start of the 2013 European Data Forum. The first session described by the tweets below was jam packed with interesting speakers which following opening remarks included a video message from Neelie Kroes, Vice President of the European Commission, a speech on the importance of big data from Ireland's Minister for Justice and the presentation of the first ever European Data Innovator award.



National press and TV coverage

- Big Data to open up wealth of treasures in the RTE Archives
 - RTE News
 - April 10th 2013
 - http://www.youtube.com/watch?v=uWnPihz_gMk
- DERI key as 'Big Data' to open wealth of treasures in the RTÉ archives
 - Galway Advertiser
 - April 11th 2013
 - <http://www.advertiser.ie/galway/article/60115/deri-key-asbig-data-to-open-wealth-of-treasures-in-the-rt-archives>
- Shatter calls for balance in data protection laws
 - RTE
 - April 9th 2013
 - <http://www.rte.ie/news/2013/0409/380523-data-protection-legislation/>
- RTÉ to employ semantic web and big data to preserve Ireland's memories
 - Silicon Republic
 - April 9th 2013
 - <http://www.siliconrepublic.com/cloud/item/32211-rt-to-employ-semantic-web/>
- Shatter calls for practical data protection rules
 - The Irish Times
 - April 9th 2013

- <http://www.irishtimes.com/business/sectors/media-and-marketing/shatter-calls-for-practical-data-protection-rules-1.1354190>

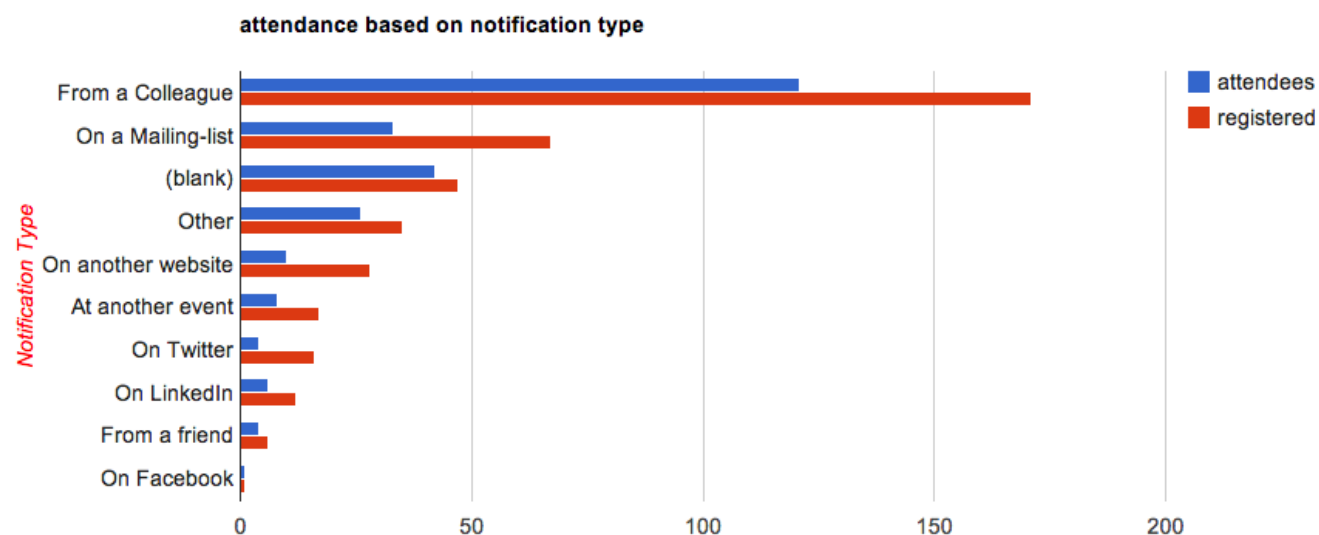
Dissemination channels and their impact

The organization committee of the EDF2013 used a wide range of dissemination and promotion channels, including press releases, a Web site, Twitter, and LinkedIn. Table 1 summarizes the results of these efforts in numbers, while the rest of the section provides more details about the individual channels and their impact.

Table 1: Summary of dissemination metrics

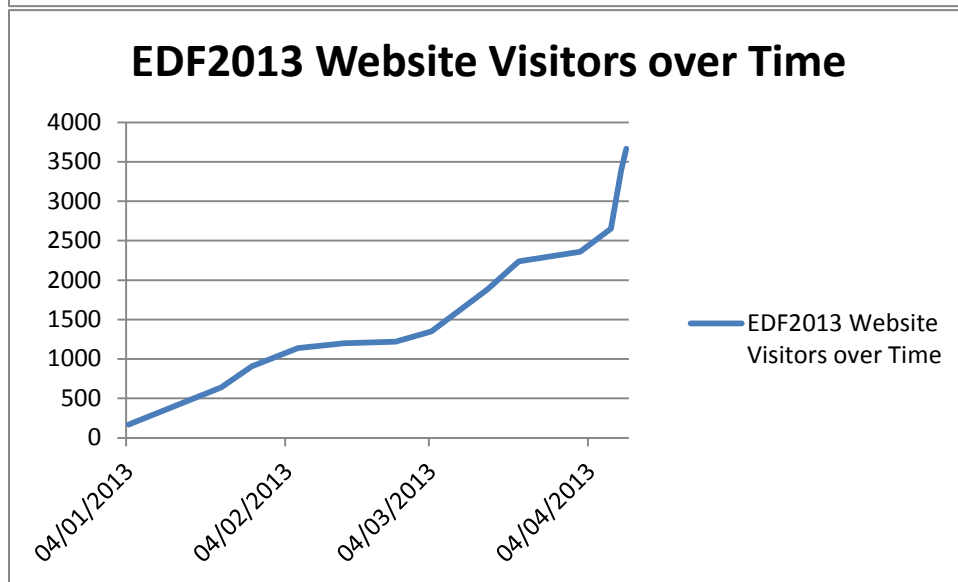
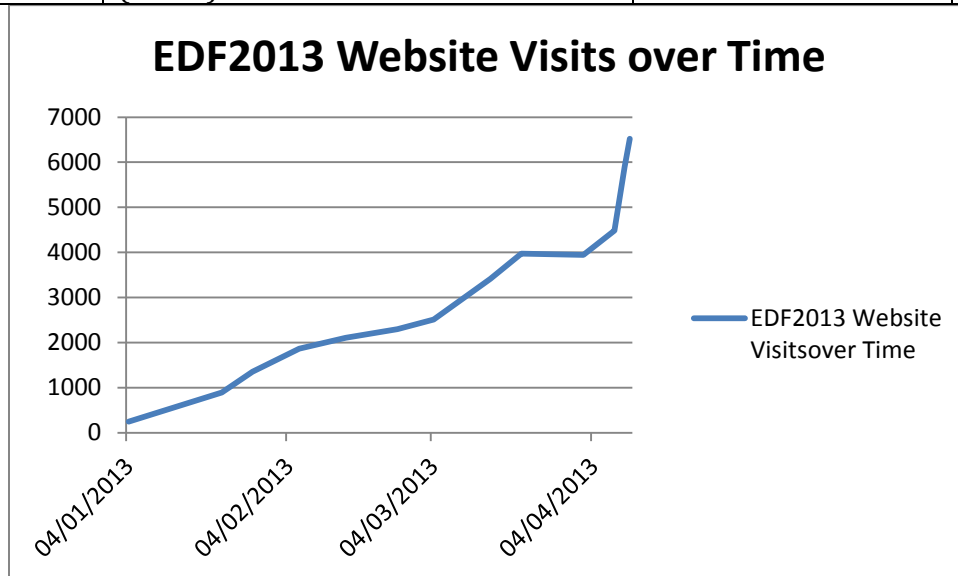
Channel	Metric
Press releases	4
News items published on the Web site	11
Page impressions/month	17.500
Page visits/month	6500
Users/month	3600
Visits during the conference (including streaming)	1500
Number of tweets posted by EDF	195
Number of followers of the EDF account	384
Number of members in LinkedIn group	254

How did you hear about EDF?

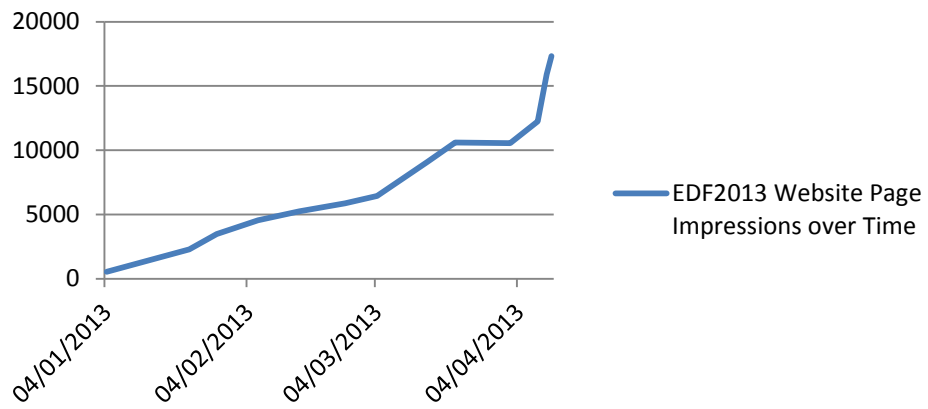


		Registered	Attended
1.	From a colleague	171	121
2.	On a mailing-list	67	33

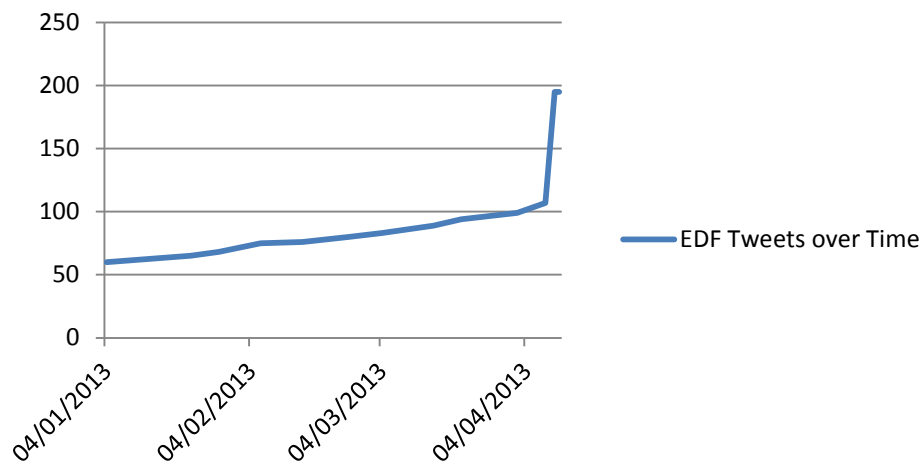
3.	Other	35	26
4.	On another Web site	28	10
5.	At another event	17	8
6.	On LinkedIn	12	6
7.	On Twitter	16	4
8.	From a friend	6	4
9.	On Facebook	1	1
10.	(blank)	47	42



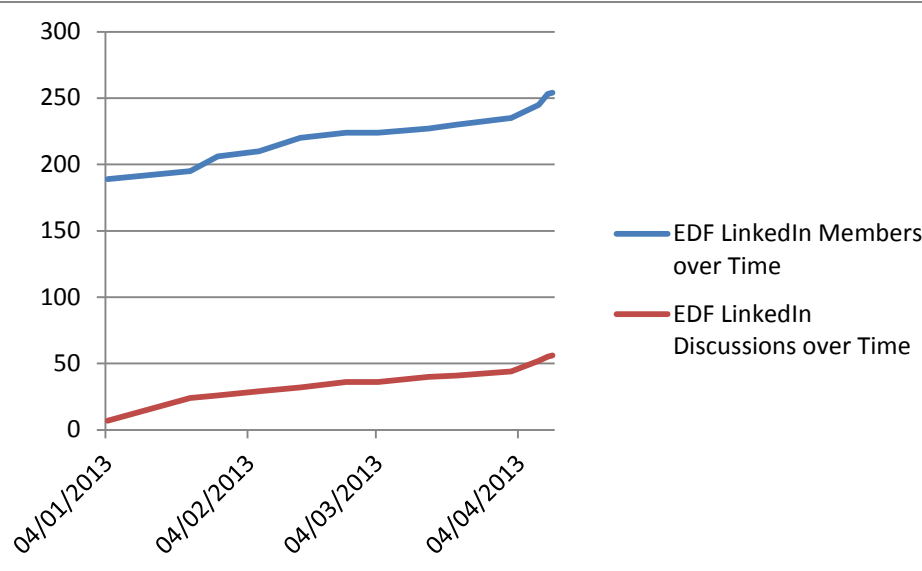
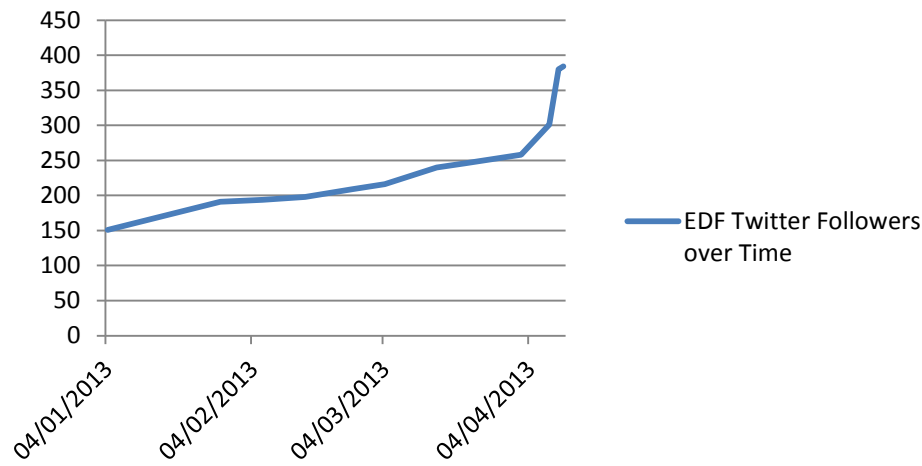
EDF2013 Website Page Impressions over Time



EDF Tweets over Time



EDF Twitter Followers over Time



Date	Number of news on data-forum.eu	Number of press releases	Visits (last month)	Visitors (last month)	Page impressions (last month)	Tweets EUDataForum	Twitter followers	LinkedIn Nr GroupMembers	LinkedIn Nr discussions	facebook likes	Google+ Nr of Likes
04/01/2013	2	0	247	168	525	60	151	189	7	64	78
22/01/2013	4	1	889	638	2288	65	181	195	24	78	80
28/01/2013	4	1	1352	908	3470	68	191	206	26	87	81
06/02/2013	4	1	1862	1140	4558	75	194	210	29	93	81
15/02/2013	5	1	2105	1199	5252	76	198	220	32	n/a	n/a
25/02/2013	6	2	2300	1218	5864	80	209	224	36	97	83
04/03/2013	6	2	2510	1349	6452	83	216	224	36	101	83
15/03/2013	6	2	3412	1884	9105	89	240	227	40	110	85
21/03/2013	7	2	3974	2237	10608	94	246	230	41	110	85
02/04/2013	8	2	3947	2358	10549	99	258	235	44	118	89
08/04/2013	9	3	4485	2653	12251	107	301	245	52	120	91
10/04/2013	11	3	5904	3392	15896	195	380	253	55	127	93
11/04/2013	11	3	6520	3665	17330	195	384	254	56	127	93

Further impressions of the EDF2013 are available in our photo streams on Flickr:

- [Official EDF2013 Photo Stream](#)
- [flickr stream day 1](#)
- [flickr stream day 2](#)
- [DERI flickR Stream of EDF2013](#)