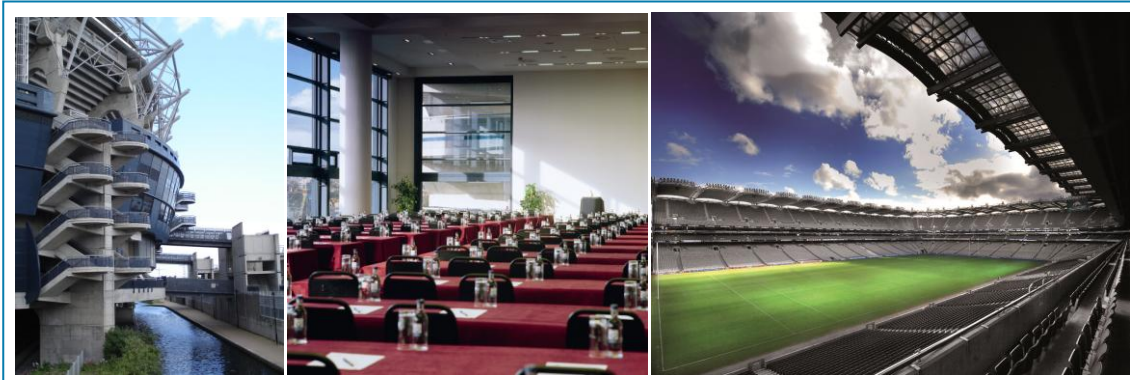


European Data Forum 2013

April 9 - 10, Dublin, Ireland

Welcome to the European Data Forum (EDF), the annual meeting-point for data practitioners from industry, research, and the public-sector to discuss the opportunities and challenges of the emerging Big Data Economy in Europe.



EDF 2013 takes place in the Croke Park Convention Centre,
Dublin, Ireland

Organised by:



IN ASSOCIATION WITH

Useful Information

Wifi SSID: crokepark wifi
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Organisers

Conference Chairs

Michael Hausenblas (MapR Technologies/DERI, NUI Galway, Ireland)
Elena Simperl (University of Southampton, UK)

Local Chairs

Deirdre Lee (DERI, NUI Galway, Ireland)

Organization Committee

Sören Auer (University of Leipzig, Germany)
Francesco Barbato (European Commission)
Sandra Collins (Digital Repository of Ireland, Royal Irish Academy, Ireland)
Stefan Decker (DERI, NUI Galway, Ireland)
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Martin Kaltenböck (Semantic Web Company, Austria)
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Rasmus Pedersen (Copenhagen Business School, Denmark)
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Arild Waaler (University of Oslo, Norway)
Kjetil Kjernsmo (University of Oslo, Norway)

Dissemination Chair

Martin Kaltenböck (Semantic Web Company, Austria)

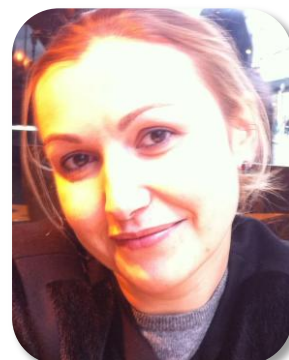
Exhibition Chair

Kjetil Kjernsmo (University of Oslo, Norway)

Welcome to Dublin! Fáilte go Baile Átha Cliath!



The European Data Forum (EDF) is the yearly meeting place for industry, research, policy makers, and the community of practitioners to discuss the challenges and opportunities of Big Data and Open Data in Europe. We cover technical aspects, in terms of technology needed to master the volumes, heterogeneity, and dynamicity of Big Data, as well as a socio-economic aspects, addressing emerging types of products and services and their commercialisation,



innovation and business models, and also reflecting on policies and regulations. Our aim is 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.

An important goal of the EDF2013 is to foster a truly European Big Data community. This emerging community will enable promising ideas to move from the stage of research questions all the way to successful deployment and the acquisition of capital; in the same time, its stakeholders will mutually reinforce commercial strategies that require a forward looking, dynamic, and well-integrated EU-wide venture capital and industry.

Following a successful launch in 2012, this year's edition of the EDF offers a rich program consisting of keynotes, panels, invited and selected talks, networking sessions, tutorials and more – to highlight a few of them:

- Opening message by Neelie Kroes, Vice President of the European Commission
- The Executive Panel on Big Data with participants from Telefonica, Daimler, Exalead, Siemens, and EMC
- The European Data Innovator Award
- Sessions from 'Challenges of the Data Economy' over 'The power of Open Data' to 'Research and Technology'

But we don't stop there. In addition to the above, EDF2013 offers an Exhibition Space with many exciting demos and the possibility to interact with leading vendors, research groups and SMEs from all over Europe.

As General Chairs we'd like to thank the Local Organiser Deirdre Lee (DERI) and her team for the fantastic work on the ground, our Dissemination Chair Martin Kaltenböck (Semantic Web Company) for his awesome work getting the word out, the Exhibition Chair Kjetil Kjernsmo for coordinating the great exhibition space, as well as the Organisation Committee at large for their support and advice. Last but not least we thank the European Commission services and our sponsors without whom this event would simply not have taken place. Thank you all and enjoy EDF2013!

Elena & Michael

Day I – Tue, April 9, 2013

Time	Main Track	Side Track
08:00 - 09:00	Registration & Coffee	
09:00 - 09:30	<p>EDF2013 Opening by General Chairs Elena Simperl, University of Southampton, UK and Michael Hausenblas, DERI Galway, Ireland together with Marta Nagy-Rothengass, Head of Unit "Data Value Chain" at European Commission, Directorate General for Communications Networks, Content and Technology.</p> <p>Welcome Video message by Neelie Kroes, Vice President of the European Commission, in charge of the Digital Agenda.</p> <p>Irish Government Representative Keynote by Roberto Viola, Deputy Director General at European Commission, Directorate General for Communications Networks, Content and Technology Prof. Mark Ferguson, Science Foundation Ireland</p>	
09:30 - 10:00	<p>European Data Innovator Award (Presentation) Roberto Viola, Deputy Director General at European Commission, Directorate General for Communications Networks, Content and Technology H.C. Brockmann (Eccenca) as award sponsor Talk of European Data Innovator Award Winner Michael Gorriz, CIO Daimler</p>	
10:00 - 11:00	<p>EDF2013 Executive Panel on Big Data Panellists:</p> <ul style="list-style-type: none"> • Richard Benjamins, Telefonica Digital • Michael Gorriz, Daimler • François Bourdoncle, Exalead • Gerhard Kress, Siemens • Gary Evans, EMC • Roberto Viola, DG Connect of EC <p><i>Moderated by: Dieter Fensel (STI Innsbruck)</i></p>	
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Morning Session, Chair: Sören Auer	
11:30 - 12:30	<p>Challenges of the Data Economy</p> <ul style="list-style-type: none"> • Fiona Williams Research Director of Ericsson • Julie Marguerite European research cooperation manager of Thales Title of Talk: NESSI view on big data: a new world of opportunities for software services • Malte Beyer-Katzenberger Policy Officer in DG CONNECT at European Commission, Directorate General for Communications Networks, Content and Technology Title of Talk: The legal framework of the data value chain • Francesco Barbato Project Officer at European Commission, Directorate General for Communications Networks, Content and Technology Title of Talk: The European Data Value Chain stakeholder platform 	<p>Tutorial: Introduction to Big Data <i>Chair/Speaker: Marko Grobelnik</i></p>

Time	Main Track	Side Track
12.30 - 14:00	Lunch Break & Presentation of "Futurium - the virtual lab to co-create futures and policy ideas" at the European Commission's DG Connect, by Stefano Bertolo	
14:00-15:45	First Afternoon Session, Chair: Sandra Collins (DRI)	
14:00-14:45	Industry Keynote: Richard Benjamins Director of Business Intelligence at Telefonica Digital Title of talk: Big Data - Big Opportunities - Big Risks? And what about Europe?	
14:45 - 15:45	Best Practice Session <ul style="list-style-type: none"> • Bill Thompson Head of Partnership BBC Archives Title of Talk: Big Data from an Audio Visual Archive perspective • Hjalmar Gislason Founder of datamarket.com Title of talk: Emerging DaaS business models: A case study • Dan Staniaszek Senior Expert, BPIE, Title of Talk: Building the European Knowledge Base on Energy Performance of Buildings 	Applications: Earth Sciences Topic: Big and Open Data Challenges in Earth Sciences <i>Chair: Manolis Koubarakis</i>
15:45 - 16:15	Coffee Break	
16:15 - 17:45	Second Afternoon Session, Chair: Deirdre Lee (DERI)	
16:15-16:45	Keynote: Ingo Brenckmann Senior Development Manager at SAP HANA Title of Talk: In-Memory Computing - The need for speed on Big Data	
16:45 - 17:45	Challenges of the Irish Data Economy <ul style="list-style-type: none"> • Daragh O'Brien Castlebridge Associates, Managing Director Title of Talk: The Story of Maturity – How data in Business needs to pass the 'So What' tests • Brid Dooley Head of RTÉ Archives, RTÉ Digital Title of talk: Cross-archival content discovery in the digital landscape; an RTÉ , Digital Repository Ireland and the DERI Research Institute collaboration. • Dominic Byrne Fingal County Council, Assistant Head of Information Technology Title of Talk: Irish Open Data Reuse Exemplars 	Technology Session <i>Chair: Rasmus Pedersen (CBS)</i> <ul style="list-style-type: none"> • Tyler Tate Title of Talk: Information Wayfinding: The Anthropology of Big Data • Josep-L., Larriba-Pey Title of talk: The Linked Data Benchmark Council, benchmarking RDF and Graph technologies • Bastiaan Deblieck Title of Talk: Who remembers EDP
17:45 - 18:00	Closing Session Day I Stefan Decker (DERI) on Big Data in Ireland	
19:00	EDF2013 Dinner Croke Park Conference Centre: Level 4 in the Hogan Mezzanine	

Day II – Wed, April 10, 2013

Time	Main Track	Side Track
08.15 - 09.00	Registration & Coffee	
09:00-11.00	First Morning Session, <i>Chair: Pieter De Leenheer (VU Amsterdam)</i>	
09:00-09.15	Opening EDF2013, Day 2 (General Chairs EDF2013) Elena Simperl & Michael Hausenblas	
09:15 - 10.00	Industry Keynote: Knut Sebastian Tungland Chief Engineer IT at Statoil Title of talk: Statoil - we need to understand our data	
10.00 - 11.00	The Power of Open Data <ul style="list-style-type: none"> Florian Bauer Operations & IT Director, REEEP Title of Talk: Unleashing climate and energy knowledge with Linked Open Data and consistent terminology Malte Beyer-Katzenberger Policy Officer at European Commission, Directorate General for Communications Networks, Content and Technology Title of Talk: The EC Open Data Portal (http://open-data.europa.eu) John Sheridan Head of Legislation Services at The UK National Archives Title of Talk: Good Law from Open Data 	Curriculum development: Towards a data science curriculum for professionals <i>Chair: John Domingue</i>
11.00 - 11.30	Coffee Break	
11.30 - 12.00	Language Technology Panel: Unlocking the Data Treasure Chest Panellists: <ul style="list-style-type: none"> Hans-Ulrich von Freyberg, CEO Cocomore AG Philippe Wacker, Secretary General LT-Innovate Hans Uszkoreit, Scientific Director DFKI GmbH <i>Moderated by Gudrun Magnúsdóttir, CSO and Chairperson ESTeam</i>	Introduction to the Big Data Public Private Forum (BIG) <i>Chair: Tilman Becker, DFKI</i>
12.00 - 14.00	Lunch Break & Demo & Product Session in Exhibition Space, <i>Chair: Kjetil Kjernsmo</i>	
14.00 - 15.45	First Afternoon Session, <i>Chair: Stefan Decker (DERI)</i>	
14:00 - 14.45	Keynote: Gerhard Kreß Director Strategic Transformation at Siemens AG Title of talk: Siemens: Big Data in industrial applications	

Time	Main Track	Side Track
14.45 - 15.45	Research and Technology Session <ul style="list-style-type: none"> Simon Riggs Title of talk: Practical PostgreSQL Dave Lewis Title of Talk: Linked Data in the Languages Service Industry Ghislain Auguste Atemezing, Raphael Troncy Title of Talk: Towards Interoperable Visualization Applications Over Linked Data Peter Haase Title of Talk: Scalable End-user Access to Big Data 	Impact on Big and Open Data <i>Chair: Edward Curry (DERI)</i> <ul style="list-style-type: none"> Astrid Woollard Title of Talk: Fit for purpose? Big Data and Intellectual Property Rights Bryan Drexler Title of Talk: Does the 80/20 rule also apply to Big Data? František Nonnemann Title of Talk: Re-use of public sector information and personal data protection Allan Hanbury Title of Talk: Algorithm any good? A Cloud-based Infrastructure for Evaluation on Big Data
15:45 - 16:15	Coffee Break	
16:15 - 17.15	Second Afternoon Session, Chair: Nuria De-Lama Sanchez (ATOS)	
16.15 - 17.15	Open Data Session <ul style="list-style-type: none"> Sören Roug Title of Talk: Linked Data Case Study Reportnet Sander van der Waal and Christian Villum Title of Talk: A one-stop shop for Open Government Data: publicdata.eu improved with social features and more linked data sets Bernadette Hyland on behalf of the W3C Government Linked Data Working Group Title of Talk: Delivering on Standards for Government Linked Data - A W3C Working Group Report Michael Lutz Joint Research Centre, Scientific / Technical Project Officer Title of talk: Data interoperability across sectors and borders - INSPIRE and beyond 	Case Studies and Experiences <i>Chair: Manolis Koubarakis (University of Athens)</i> <ul style="list-style-type: none"> Stefan Candea and Andreea Bonea Title of Talk: Sponge, a collaborative media innovation lab for Eastern Europe Nikolaos Loutas & João R. Frade Title of Talk: Business models for Linked Government Data Keiran Millard Manager at SeaZone Title of Talk: Frankenstein's Data Kristin Lyng The Norwegian Meteorological Institute Title of Talk: Openness as a public strategy: Make open, make available
17.15 - 17.30	Closing of EDF2013 General Chairs and OC / EDF Team Elena Simperl & Michael Hausenblas and Marta Nagy-Rothengass , Head of Unit "Data Value Chain" at European Commission, Directorate General for Communications Networks, Content and Technology	

Panels & Sessions

Executive Panel on Big Data (Day I, 10:00 – 11:00)

The EDF2013 Executive Panel on Big Data brings together 6 executives of data and knowledge intense organisations from various sectors in Europe's economy.

Big Data is the name of a technological field that is pushing back the frontiers of database technology far beyond current data management systems. Challenges are, for example, the sheer volume of data to be handled (soon the amount of data we acquire will bypass the amount of data we can store), streaming of data, heterogeneity of data, and openness versus privacy of data.

Exploiting big data properly is becoming increasingly essential for the strength and competitiveness of businesses and organizations, and significantly influences the quality of service provided by public and private institutions. In the panel we will explore, with six outstanding speakers, the key issues faced in the process of turning large data into high value.

Language Technology Panel: Unlocking the Data Treasure Chest (Day II, 11:30 – 12:00)

Language technologies are inevitable for adding value to Big Data. They are needed for extracting information and knowledge from textual documents and social media, and for making them accessible across language borders. But they are also required for searching, linking and documenting non linguistic, e.g. numerical or multi media data, through effective metadata. And they are the core of intuitive semantic interfaces to the human consumer of the end products, e.g., through question answering, report generation and summarization. The proposed joint panel by META-NET, LT Innovate and Multilingual Web is a call for action: to further explore the impact of language technologies on big data and to develop a plan - for leveraging big data to big knowledge.



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- Leverages your regional presence for higher relevance and rankings
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- Continuous improvement and maintenance of your data marketing assets
- Value aligned cost and pricing

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Exhibition Space – Day II

The exhibition will take place in the Hogan Foyer for the whole of Day II. There will be a Demo & Product Session in from 12:00 – 14:00 (coinciding with the lunch break).

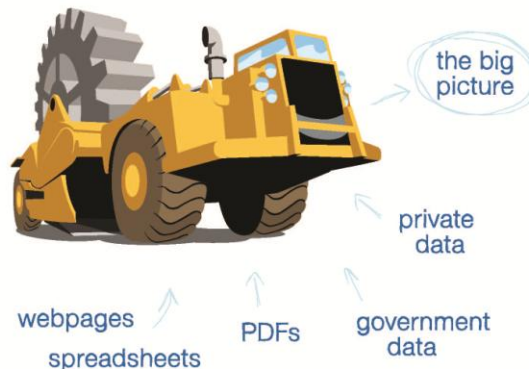
Exhibitors

Title	Organisation
Big Data for Reality Mining	Centre for Research & Technology Hellas
CMS-L10N –Storing Translation Workflow Provenance in Linked Data.	Trinity College Dublin
Demonstrating Big Data Analytics for European SMEs	TU Berlin
Developing a database and open API for providing access to open and linked data for careers guidance and counselling in the UK	Pontydysgu
Discover music that matters to you.	Seevl
Enabling Networked Knowledge	DERI, NUI Galway
Everything Is Connected: Using Linked Open Data for Multimedia Narration of Connections between Concepts	Ghent University - iMinds
Fighting Open Data Diversity with the Datalift Platform	datalift
Geoknow	Geoknow
Irish Marine Data Online	Marine Institute
Linked Data Platform for Smart Cities - A Spanish Use Case	iSOCO
Linked2Media: Leveraging Social Media Data for Corporate Brand and Market Sector Reputation Analysis	DERI, NUI Galway
Logix Agile: In-Memory Data Analytics	Nathean Technologies Ltd.
MonetDB	CWI
NASA WORLD WIND FOR SPATIAL DATA BASED SOLUTIONS	Hungarian Association for Geo-information
pikwo: multimedia semantics.	Vicomtech-IK4
PoolParty	Semantic Web Company
RTE Archives	RTE Archives
Scalable End-user access to Big Data	Optique
ScraperWiki.com	Scraperwiki
Seeing the wood for the trees	ABComputing
Smartbay Ireland	Smartbay Ireland
Socialens, Open Data Publishing Pipeline, Cloudspaces, Super Stream Collider	DERI, NUI Galway
Storyscope: Software for Shaping Narratives	Decipher's Storyscope
The Abbey Theatre Digitisation Project	The Abbey Theatre Digitisation Project
The CODE Research Project - Commercially Empowered Linked Open Data Ecosystems in Research	Know-Center GmbH
The Irish Longitudinal Study on Ageing: An Island of Big Data Looking for Solutions	Trinity College Dublin
The Pilot Linked Open Data the Netherlands	Data Archiving and Networked Services
Visualisation for Energy Management of Smart Buildings	Trinity College Dublin
Who knows what? Visualizing sources of expertise through analysis of existing behavioural data	HeyStaks
Wildfire Monitoring using Earth Observation Data and Linked Geospatial Data	TELEIOS

SIEMENS

Siemens AG (Berlin and Munich) is a global powerhouse in electronics and electrical engineering, operating in the fields of industry, energy and healthcare as well as providing infrastructure solutions, primarily for cities and metropolitan areas. For over 165 years, Siemens has stood for technological excellence, innovation, quality, reliability and internationality. The company is the world's largest provider of environmental technologies. Around 40 percent of its total revenue stems from green products and solutions. In fiscal 2012, which ended on September 30, 2012, revenue from continuing operations totaled €78.3 billion and income from continuing operations €4.9 billion (incl. IAS 19R). At the end of September 2012, Siemens had around 370,000 employees worldwide on the basis of continuing operations. Further information is available on the Internet at: <http://www.siemens.com>.

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Linked Data Benchmark Council

“LDBC will bring together researchers and RDF and graph database vendors to develop and implement the first suite of open, fair and vendor-neutral benchmarks for measuring the performance of RDF and graph databases.”



THE LDBC BENCHMARKS will span four main areas of Linked Data management: complex query execution, transactionality in graphs, RDF inference and RDF support for ETL/data integration.

They will:

- target hard problems and choke-points that mostly affect users and hence slow down the uptake of RDF and graph database technology,
- encourage innovative performance and scalability improvements that directly benefit users,
- be open, community generated, liberally licensed (open-source/creative commons) and target real-world usage scenario,

- become the de facto standard for publishing performance results and enable objective judgements about the performance and functionality of competing vendor offerings.

LDBC will found a non-profit organization which broad international membership from the graph and RDF data management industry, that will work in the same spirit as the Transaction Processing Council (TPC), which has established set of benchmarks for relational database management systems, widely accepted by the industry. It will be responsible for:

- specifying benchmarks, benchmarking procedures and verifying/publishing results,

- providing an auditing service for certifying results published by vendors for benchmarks endorsed by LDBC,

- training auditors for its benchmarking, creating a long lasting business model for auditing benchmark results.

LDBC WILL CONTINUOUSLY involve technology users through its Technical User Community (TUC) for the purpose of:

- defining real-world usage scenarios,
- identifying performance and usage problems,
- providing datasets, queries, rule-sets, code fragments,
- participating in LDBC Benchmark Task Forces to define new benchmarks.

The main incentive for the end users and data owners to participate in the TUC is to influence the benchmark development agenda of the LDBC, and thereby influence innovation in RDF and graph data management.

The application areas where LDBC is involving users in its TUC are:

- integrating and querying Life Science data,
- dynamic publishing for ontology driven, rich content,
- managing and analyzing social network data, e.g. for marketing,
- analyzing the network behavior in computer or telecommunication networks.

Coordinator: Universitat Politècnica de Catalunya

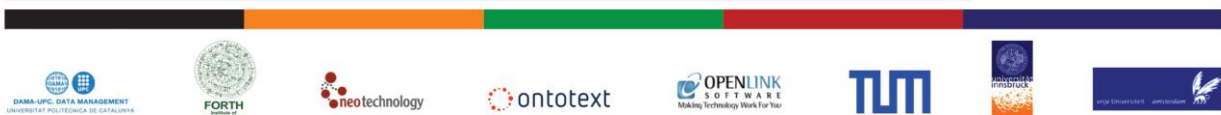
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LDBC is funded by the European Commission within the 7th Framework Programme (Grant Agreement No. 317548)

www.ldbc.eu



Tell me more about...

..the EDF 2013 Local Host, DERI, NUI Galway

The mission of DERI is to exploit semantics for people, organisations and systems to collaborate and interoperate on a global scale. After more than ten years of operation DERI has become one of the world's leading international web and data science research institutes, interlinking technologies, information and people to advance business and benefit society. Research carried out at DERI has directly benefited and been used in industry and the public sector, as well as contributing to ground-breaking discoveries through the enablement of networked knowledge.



DERI was established in 2003 as a Centre for Science, Engineering and Technology (CSET) with funding from Science Foundation Ireland. As a CSET, DERI brings together academic and industrial partners to boost innovation in science and technology. Since 2003 DERI has since grown to over 120 people and has acquired significant additional research funding from sources such as the European Union Framework Programmes, Enterprise Ireland and industrial partnerships. It has strong ties to local and national industry with involvement by multinational companies and Small and Medium Enterprises (SME's) alike in its CSET programme.

..the venue, Croke Park

In the 1870's, Dublin businessman Maurice Butterly owned the site upon which Croke Park now stands. It was known as the City and Suburban Racecourse, and its most frequent tenant was the Gaelic Athletic Association (GAA). A former president and secretary of that organisation, Frank Dineen of Limerick, bought the site in 1908. In 1913 the GAA itself made the purchase and renamed the ground Croke Park in honour of the association's first patron, Archbishop Croke of Cashel.



As time went on, the site was developed and redeveloped in an ad hoc manner as finances allowed. The Railway End, now the Dineen Hill 16, rose out of the 1916 rising of O'Connell Street. The year 1924 saw the addition of the Hogan Stand, named after Tipperary footballer Michael Hogan, while the Cusack Stand, named after one of the original founder of the GAA, followed in 1937. The Canal End Terrace, named after the Royal Canal that runs behind it, was developed as a full terrace facility in 1949, greatly improving the comfort and view for spectators and the southern end of the ground. And in 1952, the Nally Stand completed the project.

Throughout its history, Croke Park has been a shining example of Irish sport, hosting the Gaelic games as well as an array of world-class events. In 1972, the great Muhammad Ali came amidst a fanfare of publicity to defeat Al "Blue" Lewis. The year 2003 saw the stadium host the opening and closing ceremonies of the Special Olympics World Summer Games. And in 2007, the stadium opened its doors to rugby and soccer while the Lansdowne Road site is being redeveloped. And from Tina Turner and Garth Brooks to Bon Jovi; U2; Westlife and Take That, the world's greatest performers have consistently graced our stage. Today, the stadium is refurbished and fully modernised, a shining icon of the Emerald Isle. With a capacity of 82,300, a historic pitch on which Irish sporting history has been made, and the facilities of the most sophisticated 21st century events centre, there is no finer venue in the country for meetings, events and celebrations.

..the host city, Dublin

Dublin is one of the top city break destinations in Europe and for atmosphere, night life, visitor attractions, activities and shopping, Dublin has very few rivals. Steeped in history and buzzing with youthful energy, the Irish capital is at the very heart of Irish culture.

Dublin is one of Europe's oldest cities and as well as retaining its historical and cultural charms, Dublin offers trendy bars, elegant restaurants and stylish, cosmopolitan shops and hotels. There's never been a better time to visit Dublin, a city that is rivalling Europe's elite for hip appeal.

So, why not eat in a Castle, enjoy a night at the dogs, sit back and enjoy a pint of world famous Guinness or play a round of golf? With over fifty golf courses within an hour of Dublin, three racecourses and excellent fishing facilities, the sports enthusiast is well taken care of. Or enjoy a literary pub crawl around the city, experience a Dublin Bay sea thrill, a boat trip on the River Liffey or enjoy a traditional Irish music session in one of Dublin's famous Irish pubs. The options are endless and the welcome is always warm. You can plan your visit at www.visitdublin.com or call into one of the tourist information offices.



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