

Friday, 30th September

Moderator: Director General Sakari Karjalainen , Ministry of Education and Culture	
9.00	eScience and Environmentally Friendly Data Centers Conclusions from Day 1 Director Leif Laaksonen , CSC – IT Center for Science Ltd, Finland eScience and Infrastructures: the Challenges of Good Governance Director Frans de Bruïne , ISC4.EU
9.45	Initiatives on Open Access and Long Term Storage of Cultural and Scientific Information Docent, PhD Björn Lundell , Informatics Research Centre, University of Skövde, Sweden
10.15	Ethical Perspectives on eScience Chancellor Krista Varantola , Chair of the National Advisory Board on Ethics, Finland
10.45	Coffee Break
11.15	Free Movement of Knowledge – Challenges from a Nordic Perspective Project Coordinator Marie Sandberg , CSC – IT Center for Science Ltd, Finland
12.00	PANEL SESSION
	Professor Juni Palmgren , Swedish Research Council, Sweden Senior Science Adviser Pentti Pulkkinen , Academy of Finland Project Manager Camilla Grynnerup Fisker , National IT and Telecom Agency, Denmark Professor Jan-Eric Litton , Biomedical Computing, Karolinska institutet, Sweden Honorary Director General Frans de Bruïne , European Commission Moderator: Special Adviser Gudmund Høst , The Research Council of Norway
13.00	End of Seminar, Lunch

REGISTRATION AND INFORMATION

Venue:
Hotel Crowne Plaza Helsinki
Mannerheimintie 50
00260 Helsinki
FINLAND

Please register by
September 9th 2011 at:
www.escience.fi

General information:
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eScience Conference

29–30 September 2011, Hotel Crowne Plaza, Helsinki, Finland



The modern research requires strong support by its infrastructures: technical tools and instruments and socio-economic systems for organising and sharing knowledge. Today, ICT-based infrastructures are an essential foundation for all research and innovation. With a proper scientific e-infrastructure, researchers in different domains can globally collaborate on the same body of data, finding new knowledge and insights.

The use of new technology in research enhances inventions, innovations and solutions that discard discipline boundaries. Taking up these opportunities challenges the academic and research communities and the innovation sector.

The innovative power of industry and enterprise is harnessed by efficient arrangements for exchange of information between policy-makers, private and public sectors, allowing returns to all. There is a great value in making the data available for reuse and innovative applications through e-infrastructures and computational methods.

The conference looks at the key areas in eScience:

- e-infrastructures and cloud computing
- research methods and tools
- researcher training and education
- green technical solutions
- interaction between research, policy-making, business and industry.

The eScience Conference is part of the Finnish Presidency in the Nordic Council of Ministers 2011 and is organised by the Finnish Ministry of Education and Culture, CSC – IT-center for Science in Finland, the Finnish Ministry of Employment and the Economy, the Nordic Council of Ministers and Nordforsk.

The conference is closely connected with the Nordic e-Science Globalisation Initiative (2011–2015) managed by NordForsk.

The venue of the conference is Hotel Crowne Plaza, Helsinki, Finland.

11.00	Registration, Lunch	
12.00	<p>Moderator: Director General Sakari Karjalainen, Ministry of Education and Culture, Finland</p> <p>Welcome Addresses: Minister of Education, Finland Secretary General Halldór Ásgrímsson, Nordic Council of Ministers</p> <p>Keynote: Changes in Research Process, Being a Scientist Today Professor Carole Goble, University of Manchester, United Kingdom</p> <p>The Nordic e-Science Globalisation Initiative (2011-2015) Programme Director Sverker Holmgren, Nordforsk</p>	
13.00	PARALLEL SESSIONS	
	<p>eScience, Opportunities and Challenges Moderator: Director Leif Laaksonen, CSC – IT Center for Science Ltd, Finland</p>	<p>Green ICT Moderator: CEO Kimmo Koski, CSC – IT Center for Science Ltd, Finland</p>
13.30	<p>A New Way of Doing Science, eScience and e-infrastructures in Nordic ongoing Research Initiatives Special Adviser Gudmund Høst, The Research Council of Norway</p> <p>eHealth and Biobanks Professor Jan-Eric Litton, Biomedical Computing, Karolinska institutet, Sweden</p>	<p>Eco-efficient Datacenters and HPC in Finland CEO, Dr. Kimmo Koski, CSC – IT Center for Science Ltd, Finland</p> <p>Nordic High Performance Computing (HPC) Director René Belsø, Danish Center for Scientific Computing (DCSC)</p> <p>Topic of the presentation tbc. Professor Lennart Johnsson, KTH Royal Institute of Technology, Sweden</p>
15.00	Coffee Break	
15.30	<p>Training Future Researchers in e-Science Methods and Tools: Challenges and Opportunities Associate Professor Hans Karlsson, Uppsala University, Sweden</p>	<p>Green ICT and the Swedish Digital Agenda Deputy Director Sofia Holmgren, Division for Information Technology Policy, Ministry of Enterprise, Energy and Communications, Sweden</p>
16.00	<p>The Baltic Ring CEO René Buch, Nordunet</p>	<p>Education and Research for Green Growth Senior Adviser Helene Norberg, Nordic Council of Ministers</p>
16.30	<p>e-infrastructure EUDAT: European Data Infrastructure –Scandinavian Perspective Project Manager Damien Lecarpentier, CSC – IT Center for Science Ltd, Finland</p>	<p>Moore's Law Goes Green – Achieving the Required 1000X Improvement in Science Computing Energy Efficiency by 2025 Professor Peter James, Director of the JISC-funded SustelIT project, University of Bradford, United Kingdom</p>
17.00	<p>The Nordic Study on Cloud Computing ICT-regulation Project Manager Camilla Grynnerup Fisker, National IT and Telecom Agency, Denmark</p>	<p>Empowering People to Use Green ICT Senior Research Scientist Ville Kotovirta, VTT, Finland</p>
17.30	<p>Security and Privacy – Things to consider when moving to the cloud Vice President, Channel Business Maria Nordgren, F-Secure, Finland</p>	<p>Energy Solutions for ICT Associate Professor Helgi Tor Ingason, University of Iceland</p>
18.00	Buffet, End of Day 1	

