



6th

European Innovation Summit

A Mandate for Innovation in Europe

17 - 20 November 2014

European Parliament, Brussels

Institutional and Knowledge Partners



Partners



Participating Partners



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www.knowledge4innovation.eu



Association

Knowledge4Innovation (K4I) is an open, independent non-profit organisation enabling multiple stakeholders of the knowledge and innovation economy to meet and exchange their experiences with the common objective of improving Europe’s innovation performance.

K4I is unique because it engages the relevant actors and sectors with different backgrounds and expertise, mobilising know-how and resources and engaging in a structured, continuous dialogue with policy makers from the EU institutions and Member States.



Forum

The K4I Forum regularly organises dinner and lunch debates in the European Parliament. It provides the Space for Debate on the Future of Innovation in Europe bringing together innovation stakeholders from the public and private academic sectors. The European Innovation Summit is the major annual event and is organised for the sixth time from 17 to 20 November 2014 in Brussels.

Members



Lambert van Nistelrooij, MEP

Chair of the Knowledge4Innovation Forum of the European Parliament Governing Board

SPEED UP EUROPE! OUT OF THE INNOVATION PARADOX

Today, in Europe, advanced regions spend far more public money and in a strategic way in the promotion of innovation for their firms than the less developed regions do. This is increasing the innovation-gap across Europe.

The reason for this “innovation paradox” is that the regional innovation system in less developed regions is often underdeveloped and fragmented, by the absence of the right institutional framework and policy delivery systems, public sector inefficiency and lack of understanding by policy-makers of the regional innovation process in particular.

In addition, the academic and education landscape there tends to be disconnected from the regional economy with many small low tech companies, not responding to the innovation needs of local firms. It is often not attractive for top-talents to stay on neither in the universities nor in the industry.

The European Policies for Innovation, Horizon 2020 and for the European regions, European Structural and Investment Funds can find synergies in the Smart Specialisation Strategy. In my view, the best way for regions to move forward on the stairway to excellence, is to specialise in their specific areas of expertise. For this smart specialisation you not only need know-how and enhanced innovation capacities, but you also need critical mass and synergies.

In my opinion we need to build strong and competitive cross-border and transnational alliances and clusters. Almost a third of the EU regional Funds (ESIF) will be dedicated to innovation for the coming years: Around 124 billion of the EUR 351.8 billion euro Cohesion policy funds for the next seven years is invested in areas like ICT, SME Competitiveness, energy efficiency and renewable energy. There is also a substantial increase in the budget of Horizon 2020. Upstream funding from the ESIF funds support regions becoming more excellent partners and participate in the Horizon 2020 program. Downstream funding from Horizon 2020 to give support to individual companies to follow up on successful RDI activities can further enhance the escape out of the Innovation paradox.

The 6th European Innovation Summit gives you the possibilities to reflect on these important changes for growth and jobs in the EU.



Friedhelm Schmider

President
Knowledge4Innovation



Roland Strauss

Managing Director
Knowledge4Innovation



Carlos Moedas

European Commissioner for Research,
Innovation and Science

A Mandate for Innovation in Europe

We all agree that innovation is of utmost importance for Europe's future competitiveness and plays a crucial role in managing the most pressing societal challenges. Achieving the environment in which innovation can thrive should become a guiding principle of the European Institution's work. To make this happen the new Commission President Jean-Claude Juncker shall undertake important steps to make innovation the top 'strategic' priority for his mandate.

Innovation cuts across all sectors, portfolios and Directorate Generals which is why it must be considered in every legislative and non-legislative initiative undertaken by the EU institutions. The organizational structure of the Commission shall correspond to the multidisciplinary nature of innovation. There is a need for a 'Chief Innovation Officer', able to lead the Commission on the innovation front in order to create and implement the "innovation mandate" together.

In the light of the above, we would like to add another important note. There is a great contradiction in our actions, a sort of strategic mismatch. On one hand, we invest a lot in the early stage of the innovation cycle, i.e. into research. On the other hand, we maintain the unfavorable framework conditions, which prevent the market from making the best use of research we have financed. As a result, know-how developed in Europe often goes to the markets, which are able to make a good use of it. Are we happy that Europe invests in research to give it out to the US and Asia to exploit?

Part of the problem lies in the attitude towards 'risk'. After all, innovation is a sum of processes, which are creative and experimental by nature. It requires the environment where freedom to try and fail is encouraged. Europe must bundle its limited resources to gain the critical mass in the competition with other regions. Entrepreneurs are crucial in the overall equation of successful innovation. We do not want to enlarge the "Valley of Death" for our startups, do we?

The 6th European Innovation Summit takes place at a time when the new European Parliament and the new European Commission set their objectives and respective agendas for the next five years. The Knowledge4Innovation Forum is taking this opportunity to invite the Members of the European Parliament and the Commission to consider 'A Mandate for Innovation in Europe' as the centerpiece of a revised Europe 2020 strategy.

Having begun my term as European Commissioner for Research, Innovation and Science this very month, I will be following the 6th European Innovation Summit closely and with great interest. It is at vibrant occasions such as these – when politicians, scientists, academics and industry experts meet, and ideas collide – that great momentum towards further innovation is released.

Never before has gaining that momentum been so vital. Never before has Europe's rank as a global technology leader been subject to so much competition. Never before has the mood of investors been so strained. Never before has our burden on the planet been so great.

We are only just embarking, casting-off, on Europe's great journey towards a new era of disruptive innovation. It is said that necessity is the mother of invention. Well, now a new injection of confidence and creativity is necessary to get Europe back on track, to complete the European Research Area and to charter new courses of action, of cooperation, to find workable solutions to global problems.

Horizon 2020's maiden voyage is now well underway: coupling research and innovation; helping to achieve scientific excellence and industrial leadership; while tackling societal challenges which have implications for European citizens, as well as for those far beyond our borders. Only this month, in partnership with European pharmaceutical industry, we launched a €280 million call for proposals for the development of new Ebola vaccines and medications in an effort to save lives around the world.

As I embark on my journey as Commissioner, I will ensure that we continue taking such bold new steps to keep Europe at the forefront of research, science and innovation. Not only as a means to stretch the limits of our knowledge or to stimulate economic growth, although both these things are fine pursuits. More importantly, European innovation has the tremendous and monumental capacity to change the world for the better, for the benefit of everyone, and that must surely be the most worthwhile journey of all.

MONDAY 17 NOVEMBER 2014

15:00 - 19:00

JIIP Annual Symposium

Organiser:
Joint Institute for Innovation Policy (JIIP)

Venue:
Microsoft Innovation Center

Major Innovations, a European Perspective

Speakers:

Robbert Fisher, Managing Director, Joint Institute for Innovation Policy
Jos Leijten, Advisor, Joint Institute for Innovation Policy
Torsti Loikkanen, Principal Scientist, VTT
Michael Ploder, Senior researcher & Head research group, Joanneum Research
Bruno Smets, Director Public Private Innovation Partnerships, Philips Lighting
Frans Van Der Zee, Principal Consultant, TNO

17:00 - 19:00

6th EIS Seminar

Organiser:
K4I Forum in cooperation with the Nordic Council of Ministers

Venue:
European Parliament JAN 6Q1

Methods of Knowledge Transfer towards Innovation - Design, Culture, Welfare and Entrepreneurship

Co-hosts:

Henna Virkkunen, Member of the K4I Forum Governing Board, MEP
Monika Mörtberg Backlund, Senior Adviser, Education & Research, Nordic Council of Ministers

Speakers:

Halina Gottlieb, PhD, Knowledge Triangle Coordinator, Interactive Institute Swedish ICT, Sweden
Reidar K Lie, Professor and Head of Department of Philosophy, University of Bergen, Norway
Anders Warell, Associate Professor, the School of Industrial Design, Lund University, Sweden
Andre Liem, Associate Professor, the Department of Product Design, Norwegian University of Science and Technology, Norway
Bent Egberg Mikkelsen, Professor, Aalborg University, Denmark
Niclas Östlund, Innovation and Business Advisor, Innovation Financing at SLU Holding AB, Uppsala, Sweden
Peter Göranson, General Secretary, NORDTEK
Magnus K Jonsson, The Ministry of Enterprise, Energy and Communications, Division for Research, Innovation and Industry Development, Sweden
Kasper Hallenborg, Associate Professor and Head of Department at the Maersk Mc-Kinney Moller Institute at the University of Southern Denmark

19:00 - 21:00

Summit Opening Ceremony

Organiser:
K4I Forum

Venue:
European Parliament Members' Restaurant

Summit Opening Ceremony: A Mandate for Innovation in Europe

Co-hosts:

Lambert van Nistelrooij, Chair of the K4I Forum Governing Board, MEP
Prof. Jerzy Buzek, Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Moderator:

Roland Strauss, Managing Director, Knowledge4Innovation

Speakers:

Friedhelm Schmider, President, Knowledge4Innovation
Carlos Moedas, Commissioner for Research, Science and Innovation, European Commission
Corina Crețu, Commissioner for Regional Policy, European Commission
Phil Hogan, Commissioner for Agriculture & Rural Development, European Commission
Christoph Keese, Executive Vice President, Axel Springer SE
Gernot Klotz, Vice-President K4I, Executive Director Research and Innovation, CEFIC

TUESDAY 18 NOVEMBER 2014

08:00 - 09:30

Breakfast Debate

Organiser:
K4I Forum in cooperation with CEFIC

Venue:
European Parliament Members' Salon

Advanced Manufacturing for a new European Industrial Renaissance

Host: Christian Ehler, MEP

Speakers:

Antti Peltomäki, Deputy Director-General of the Enterprise and Industry Directorate-General, EC
Gernot Klotz, Executive Director, Cefic
Rudolf Strohmeier, Deputy Director General, DG Research and Innovation, European Commission

08:00 - 09:30

Breakfast Debate

Organiser:
K4I Forum in cooperation with COST

Venue:
European Parliament Members' Salon

Bottom-up vs Top-down Innovation:

How much Funnelling and Prescription can Ingenuity Endure?

Host: Victor Negrescu, MEP, Member of the K4I Forum Governing Board

Speakers:

Kurt Vandenberghe, European Commission, Director for Climate Action and Resource Efficiency, DG Research and Innovation
Yves de Weerd, Vito Research Institute, Belgian Delegate in the Governing Board of the Joint Programming Initiative Urban Europe
Bert de Colvenaer, Executive Director Fuel Cell and Hydrogen Joint Undertaking
Dr Ángeles Rodríguez-Peña, President of the COST Association
Dimitri Corpakis, Head of Unit, Directorate for the Innovation Union and the European Research Area, European Commission
Dr Monica Dietl, Director of the COST Association

08:00 - 09:30

Breakfast debate

Organiser:
K4I Forum in cooperation with Facebook

Venue:
European Parliament Members' Salon

Economic Impact of Social Media

Host:

Michael Theurer, MEP, Member of the K4I Forum Governing Board

Speakers:

Erika Mann, Managing Director, Facebook Brussels
Zoran Stančić, Deputy Director-General, DG Connect, European Commission
Linda Griffin, Global Head of Public Affairs, King Digital Entertainment

09:30 - 11:00

Conference Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

Framework Conditions and Obstacles to Innovation in Europe

Host:

Neena Gill, MEP, Member of the K4I Forum Governing Board

Moderator:

Gernot Klotz, Vice-President K4I, Executive Director research and Innovation, CEFIC

Speakers:

Vicky Ford, IMCO Committee Chair, Member of the K4I Forum Governing Board (Welcome Speech)
Vladimir Sucha, Director-General, Joint Research Centre
Pedro de Sampaio Nunes, Head of Secretariat, EUREKA
Joanna Dupont-Inglis, Director of Industrial Biotechnology, Europabio
Prof. Eicke Weber, Director, Fraunhofer-ISE
Veronique Steukers, Director, Health and Environment Public Policy, Nickel Institute
Klaus Hoffmann, President, DOW CORNING EUROPE
Angel Martin, EU Government Affairs Leader, Dow AgroSciences

11:00 - 12:30

Conference Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

Horizon 2020: First Impressions and Experience

Host:

Christian Ehler, MEP, Member of the K4I Forum Governing Board

Moderator:

Jos Leijten, Advisor, JIIP

Speakers:

Rudolf Strohmeier, Deputy Director General, DG Research and Innovation, European Commission
Maria da Graça Carvalho, Pricipal Advisor, BEPA, European Commission
Andreas Förster, Director, Dechema
Bernd Schulte, Vice President, Photonics 21
Bertrand van Ee, Climate-KIC CEO

12:45 - 14:30
Lunch Debate

Organiser:
K4I Forum in cooperation with TU Delft

Venue:
European Parliament Members' Salon

Quantum Technology and Quantum Computing in the 21st Century

Co-hosts:

Cora van Nieuwenhuizen, MEP, Member of the K4I Forum Governing Board
Patrizia Toia, MEP

Speakers:

Prof John Morton, University College London
Prof. Lieven Vandersypen, Delft University of Technology
Thierry Debuisschert, Thales (tbc)
Thierry van der Pyl, DG CNECT, European Commission

12:45 - 14:30
Lunch Debate

Organiser:
K4I Forum in cooperation with Metals Pro Climate

Venue:
European Parliament Members' Salon

How the European metals-industry can contribute to innovation and sustainable growth

Host:

Prof. Jerzy Buzek, Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Speakers:

Mattia Pellegrini, Head of Unit, Raw Materials, Metals, Minerals and Forrest based industries, DG Enterprise, European Commission
Oliver Bell, Executive Vice President of Norsk Hydro ASA, Norway and Chairman of Metals pro Climate (German industrial initiative for climate protection, energy and resource-efficiency)
Veronique Steukers, Director Health & Environment Public Policy, Nickel Institute
Martin Kneer, General Manager of German Non-Ferrous Metals Association and Managing Director of Metals pro Climate (German industrial initiative for climate protection, energy and resource-efficiency)

12:45 - 14:30
Lunch Debate

Organiser:
K4I Forum in cooperation with IEEE

Venue:
European Parliament Members' Salon

Internet Governance as an Innovation Driver

Host:

Victor Negrescu, Member of the K4I Forum Governing Board, MEP

Speakers:

Konstantinos Karachalios, Managing Director, IEEE-SA
Megan Richards, Principal advisor, DG CONNECT, European Commission
Jean-Jacques Sahel, Vice-President, Stakeholder Engagement for Europe, ICANN
Walter van der Weiden, Chair of Market Regulation Group, DigitalEurope

12:45 - 14:30
Lunch Debate

Organiser:
K4I Forum in cooperation with Climate-KIC

Venue:
European Parliament Members' Salon

Open Innovation and Practical Action to support Europe's Low Carbon Regional Economic Development

Host:

Lambert van Nistelrooij, Chair of the K4I Forum Governing Board, MEP

Moderator:

Aled Thomas, Regional Innovation and Implementation Community (RIC) Director, Climate-KIC

Speakers:

Xavier Prats Monne, Director General, DG Education and Culture, European Commission (TBC)
Mathieu Fichter, Member of the Cabinet of Commissioner Crețu
Kurt Vandenberghe, Director, Climate Action and Resource Efficiency, DG Research & Innovation, European Commission
Thomas Wobben, Director of Horizontal Policies and Networks, Committee of the Regions (TBC)
Peter Olesen, Chairman, European Institute for Innovation and Technology (EIT)
Bertrand van Ee, CEO, Climate-KIC

12:45 - 14:30
Networking lunch

Networking lunch
Venue: **Exhibition space ASP 3D, European Parliament**

12:45 - 14:40
Parallel Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

The Challenges to Innovation in Healthcare

Host:

Alojz Peterle, MEP

Speakers:

Menno Kok, Erasmus University Rotterdam
Cees van der Schans, Professor Health Care and Nursing, Hanze University of Applied Sciences
Dr. Martijn Lolkema, Erasmus University Medical Center
Dr. Arfan Ikram, Erasmus University Medical Center

15:00 - 17:00
Parallel Session

Organiser:
K4I Forum

Venue:
European Parliament PHS 5B001

The Role of Innovation for Secure and Affordable Energy in Europe

Host:

Prof. Jerzy Buzek, Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Speakers:

Dominique Ristori, Director-General of DG Energy, European Commission
Gernot Klotz, Vice-President K4I, Executive Director Research and Innovation, CEFIC
Tudor Constantinescu, Principal Adviser to Dominique Ristori, DG Energy, European Commission
David Salisbury, President, GERG
Rainer Janssen, Vice-President, EUREC
Pierluigi Mancarella, IEEE European Energy Working Group Chairman, IEEE
Wim van Gemert, Professor Energy Innovation, Hanze University of Applied Sciences
Oliver Bell, Chairman, Metals Pro Climate; Executive Vice President, Norsk Hydro ASA, Norway
Ingo Wagner, DHC+ Technology Platform (Intervention)

15:00 - 17:00
Parallel Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

Big Data, People's Data

Host:

Michał Boni, MEP

Moderator:

Jan van Dalen, Professor of Business Intelligence, Erasmus University Rotterdam

Speakers:

Günther Oettinger, Commissioner for Digital Economy & Society, European Commission (Invited)
Giuseppe Abbamonte, Director Media and Data, DG CNECT, European Commission
Maciej Bukowski, Warsaw School of Economics
Liesbet van Zoonen, Professor of Popular Culture, Erasmus University Rotterdam, Professor of Media and Communication, Loughborough University UK
Robert Kirkpatrick, Director, United Nations Global Pulse
Andrew Stubbs, Erasmus Medical Centre
Viviane Reding, MEP

17:00 - 19:00
Conference Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

The Next Generation Innovators

Co-hosts:

Brando Benifei, MEP, Member of the K4I Forum Governing Board
Victor Negrescu, MEP, Member of the K4I Forum Governing Board

Speakers:

Peter Dröll, Acting Director, DG Research and Innovation, European Commission
Ebrahim Mohamed, Director of Education, Climate-KIC

Peter Olesen, *Chairman, European Institute of Innovation and Technology*
Prof. Thomas Schäfer, *University of the Basque Country - "SCI-Generation" Chair*
Austin d'Souza, *PhD student, Hanze University of Applied Sciences*
Barbara Andreani, *Brussels Coordinator, Enterprise Europe Network*
Wojciech Przybylski, *Project Leader, "New Europe 100"*
Dariusz Żuk, *Co-founder & Ceo, Entrepreneurial Poland*
Szymon Kurzyca, *Operational Director & Investment Manager, HCM Group*
Linda Griffin, *Global Head of Public Affairs, King Digital Entertainment*

19:30 - 22:00

Diner Debate

Organiser:
K4I Forum in cooperation with TU Delft, Leiden University, Erasmus University Rotterdam

Venue:
European Parliament Members' Salon

Big Data: Future Challenges and Opportunities

Host:

Seán Kelly, *MEP, Member of the K4I Forum Governing Board*

Speakers:

Michal Boni, *MEP, Member of the K4I Forum Governing Board*

Dirk Jan van den Berg, *CEO, TU Delft*

Prof. Simone Buitendijk, *Member Executive Board Leiden University*

Prof. Huib Pols, *Rector Magnificus Erasmus University Rotterdam*

19:30 - 22:00

Diner Debate

Organiser:
K4I Forum in cooperation with ECPA

Venue:
European Parliament Members' Salon

Smarter and Better Regulation - How can this Impact on Innovation?

Host:

Vicky Ford, *MEP, IMCO Committee Chair, K4I Governing Board Member*

Speakers:

Jean-Charles Bocquet, *Director General, European Crop Protection Association*

Joe Dunne, *Acting Director for Impact Assessment and European Added Value, DG for Parliamentary Research Services, European Parliament*

Jonathon Stoodley, *Secretariat-General, European Commission*

Tim Figures, *Counsellor for Competitiveness and Markets, UK Representation to the EU*

19:30 - 22:00

Diner Debate

Organiser:
K4I Forum in cooperation with GERG

Venue:
European Parliament Members' Salon

The Gas SMART Grid and its Role in Europe's energy Future

Host:

Prof. Jerzy Buzek, *MEP, Chair of the ITRE Committee*

Speakers:

Tudor Constantinescu, *Principal Adviser, DG ENER, European Commission*

Manuel Sanchez Jimenez, *Team Leader Smart Grids, DG ENER, European Commission*

David Salisbury, *President, GERG*

Jos Dehaeseleer, *Leader of the Marcogaz SMART Gas Grid Task Force*

Marcus Newborough, *Development Director, ITM Power*

WEDNESDAY 19 NOVEMBER 2014

08:30 - 09:30

Breakfast Debate

Organiser:
K4I Forum in cooperation with EuropaBio

Venue:
European Parliament Members' Salon

Who Benefits from Intellectual Property Rights for Agricultural Innovation?

Host:

Michel Dantin, *MEP*

Moderator:

Beat Späth, *Director of Agricultural Biotechnology, EuropaBio*

Speakers:

Dominic Muyldermans, *Senior Legal Consultant, CropLife International*

Willem Ruster, *Strategy Consultant, Steward Redqueen Discussion*

Heli Pihlajamaa, *Director, Directorate Patent Law, European Patent Office*

Serge Quazzotti, *European IPR Helpdesk*

Philippe Lenée, *CEO, INRA Transfert*

12:45 - 14:30

Lunch Debate

Organiser:
K4I Forum in cooperation with Hanze University of Applied Sciences

Venue:
European Parliament Members' Salon

Energy Transition: The Young People's Revolution

Host:

Lambert van Nistelrooij, *Chair of the K4I Forum Governing Board, MEP*

Moderator:

Charles van Santvoord, *Marketing & Communications Manager Energy Academy Europe*

Speakers:

Wim van Gemert, *Professor Energy Innovation, Hanze University of Applied Sciences*

Juliana Montoya Cardona, *PhD student, Hanze University of Applied Sciences*

Marcel van der Werf, *PhD student, Hanze University of Applied Sciences*

Andras Perl, *PhD student, Hanze University of Applied Sciences*

Frank Pierie, *PhD student Flexigas, Hanze University of Applied Sciences*

Austin d'Souza, *PhD student EdGar, Hanze University of Applied Sciences*

Sybre Jansma, *Bachelor student Human Technology, Hanze University of Applied Sciences*

12:30 - 14:30

Lunch Debate

Organiser:
K4I Forum in cooperation with the region of Lower Austria

Venue:
European Parliament Members' Salon

The Innovative SME Policy in Lower Austria

Host:

Heinz K. Becker, *MEP*

Moderator:

Roland Adrowitzer, *Coordinator of all correspondents, ORF*

Speakers:

Christian Weinberger, *Senior Adviser, European Commission, DG ENTR, Entrepreneurship & SME Policy*

Ben Butters, *Director EU Affairs, EUROCHAMBRES*

Petra Bohuslav, *Minister of economy, tourism, technology and sports of Lower Austria*

Petra Patzelt, *CEO of RIZ – the startup agency of Lower Austria*

Gerd Prechtel, *Lower Austrian Chamber of Commerce, President of the Division*

12:45 - 14:30

Networking Lunch

Networking lunch

Venue: **Exhibition space ASP 3D, European Parliament**

14:30 - 15:00

Press Conference

Press Conference

Venue: **Press Room Anna Politkovskaya PHS 0A50, European Parliament**

15:00 - 17:00

Conference Session

Organiser:
K4I Forum

Venue:
European Parliament PHS 3C050

Regions and Cities: Innovation Ecosystems and Smart Strategies

Host:

Lambert van Nistelrooij, *Chair of the K4I Forum Governing Board, MEP*

Moderator:

Roland Adrowitzer, *Coordinator of all ORF correspondents*

Speakers:

Corina Crețu, *Commissioner for Regional Policy, European Commission (confirmed)*

Christian Ehler, *MEP*

Xabier Goenaga, *Head of the Knowledge for Growth Unit, Joint Research Centre, European Commission*

Petra Bohuslav, *Minister of economy, tourism, technology and sports of Lower Austria*

Muriel Attané, *Secretary-General, EARTO*

Andreas Wild, *Executive Director, ECSEL JU*

Aled Thomas, *Climate-KIC Regions Director*

Juan Carlos Girauta Vidal, *MEP*

17:00 - 19:00
Parallel Session

Organiser:
K4I Forum in cooperation with Technology Partners Foundation

Venue:
European Parliament PHS 3C050

Towards a better European Transport System

Co-hosts:
Prof. Jerzy Buzek, Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament
Henna Virkkunen, MEP, Former Transport Minister of Finland

Moderator:
Richard Granger, Technology Partners Foundation, President, European office

Speakers:
Violeta Bulc, Commissioner for Transport, European Commission (Invited)
Magda Kopczynska, Director, Innovative and Sustainable Mobility, European Commission
Keir Fitch, DG Move, Head of Unit, Research and Innovative Transport Systems
Philippe Veyrunes, Strategy Director, Infrastructure, Alstom Transport
Monica Dietl, Director, COST
Meng Lu, Alice, Program Manager, DINALOG
Jean-Luc Di Paola-Galloni, Valeo, Vice-President, Sustainable Development and External Affairs
Tomasz Kosmider, President, Technology Partners Foundation
Steve Phillips, Secretary-General, Conference of European Directors of Roads (CEDR)
Prof. George Giannopoulos, President, ECTRI

17:00 - 19:00
Parallel Session

Organiser:
K4I Forum

Venue:
European Parliament ASP 1G3

Agricultural Innovation in the EU – How can we Unlock its Full Potential?

Host: Jan Huitema, MEP

Moderator: Serge Michels, Président, Groupe Protéines

Speakers:
Phil Hogan, Commissioner for Agriculture & Rural Development, European Commission (Invited)
Jean-Charles Bocquet, Director General, ECPA
Rob Peters, Head of Unit Research and Innovation, DG AGRI, European Commission (tbc)
Piet Van der Meer, CEO, Public Research and Regulation Initiative
Pekka Pesonen, Secretary-General, Copa-Cogeca

18:30 - 20:00
Conference Session

Organiser:
K4I Forum

Venue:
European Parliament PHS 5B001

TTIP: What's in for Innovation

Host: Adina-Ioana Vălean, MEP, Member of the K4I Forum Governing Board

Moderator: Jeremy Fleming Jones, Senior Reporter, EurActiv.com

Speakers:
Marietje Schaake, MEP, Member of the K4I Forum Governing Board
John Sammis, Deputy Chief of Mission, United States Mission to the European Union
Konstantinos Karachalios, Managing Director, IEEE-SA
Hendrik Bourgeois, GE - AmCham EU
Kostas Rossoglou, Senior Legal Officer Beuc
Maria Cristina Russo, Director for International Cooperation, DG Research and Innovation, European Commission (TBC)

19:30 - 22:30
Summit Closing Ceremony

Organiser:
K4I Forum

Venue:
European Parliament Member's Restaurant

Summit Closing Ceremony

Co-hosts:
MEP Lambert Van Nistelrooij, Chair of the K4I Forum Governing Board
Prof. Jerzy Buzek, Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Moderator:
Christophe Leclercq, Founder, EurActiv.com

Speakers:
Friedhelm Schmider, President, Knowledge4Innovation
Jean-Claude Juncker, President of the European Commission (TBC)
Martin Schulz, President of the European Parliament (TBC)
Gernot Klotz, Vice-President K4I, Executive Director Research and Innovation, CEFIC

THURSDAY 20 NOVEMBER 2014

09:30 - 13:30
Policy Debate

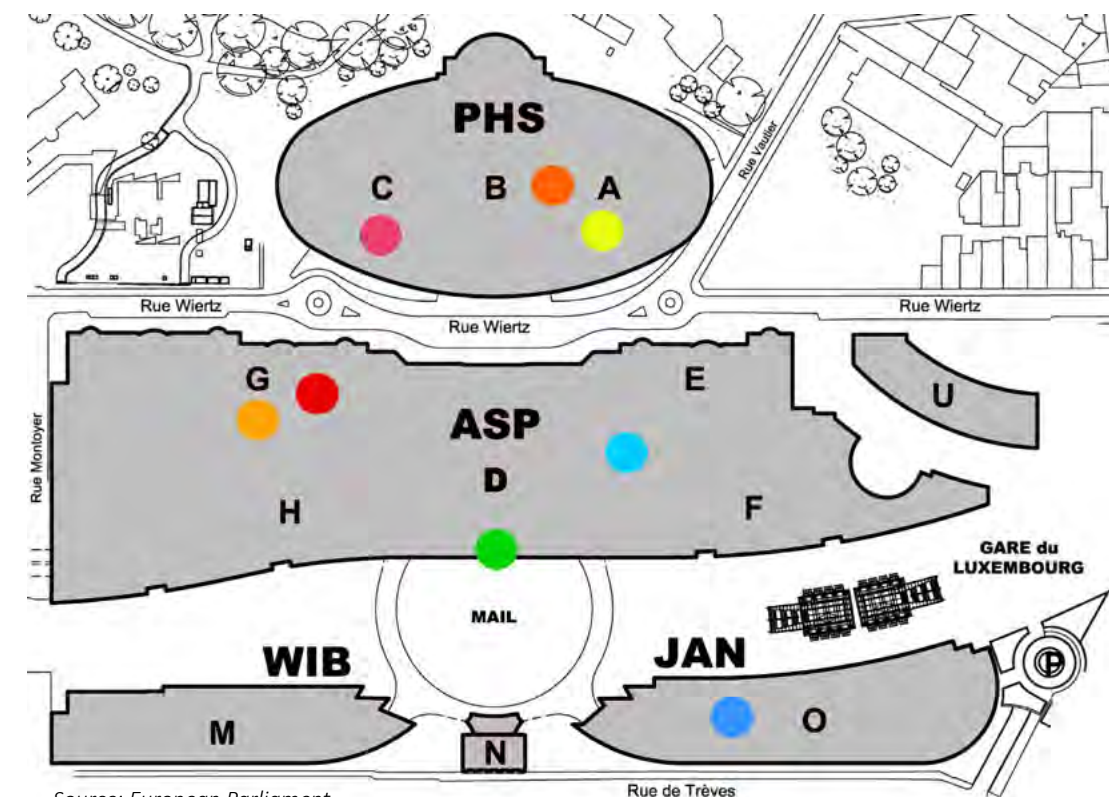
Organiser:
K4I Forum and Forum Europe

Venue:
European Parliament

Innovation, Evolution & Convergence: Ensuring access to "next generation video" anytime, anywhere & on any device

Co-hosts:
Lambert van Nistelrooij, Chair of the K4I Forum Governing Board, MEP
Sabine Verheyen, MEP

Speakers:
Roberto Viola, Deputy Director General, DG Connect, European Commission
Michel de Rosen, Chairman, ESOA
Freenasp Mobedjina, Vice President, Group Strategy and Business Development, TeliaSonera
Ingrid Deltenre, Director General, EBU
Aarti Holla, Secretary General, ESOA
Paul Lee, Head of Research, Technology, Media and Telecommunications, Deloitte



Source: European Parliament

- PHS 3C050, 3rd floor
- Members' Salons and Restaurant ASP, Ground floor
- PHS 5B001, 5th floor
- ASP 1G3, 1st floor
- Mail Entrance/Registration ASP (Place Luxemburg)
- JAN 6Q1, 6th floor
- 6th EIS Exhibition area ASP 3D, 3rd floor
- Press Conference PHS 0A50 Anna Politkovskaya

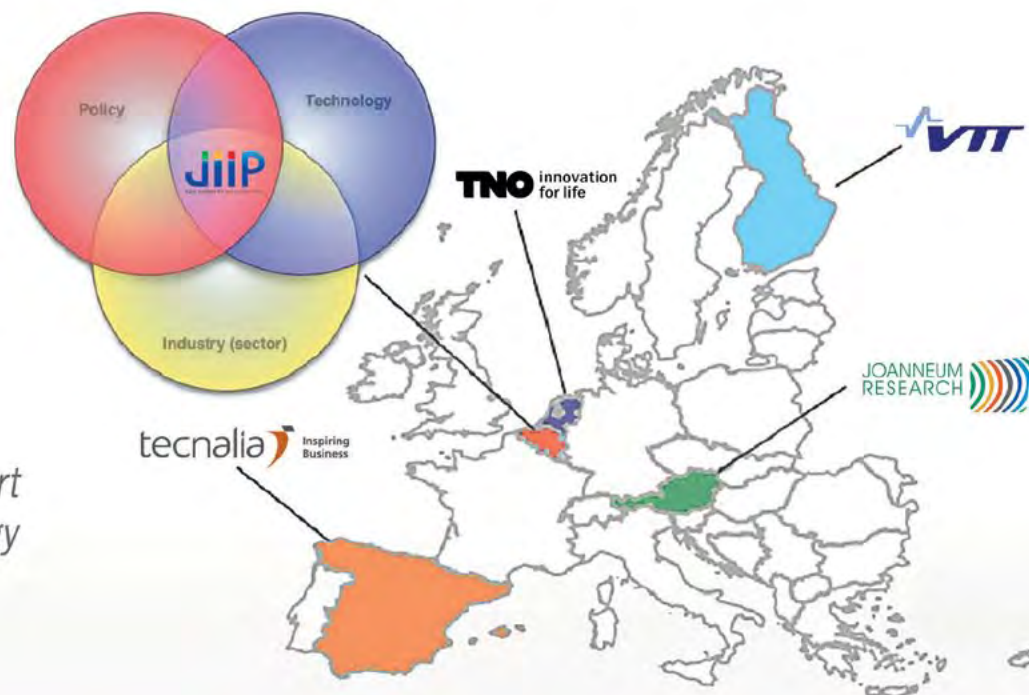
Innovation
↓
Growth



Joint Institute for Innovation Policy

"...Europe's future economic growth and jobs will increasingly have to come from innovation in products, services and business models. This is why innovation has been placed at the heart of the Europe 2020 strategy for growth and jobs."

European Commission



Major Innovations, a European Perspective

*organised in cooperation with
the Joint Institute of Innovation Policy (JIIP)*

Monday 17 November 2014, 15:00 - 19:00
Microsoft Innovation Center, Brussels

The symposium, organised by the Joint Institute for Innovation Policy (JIIP), will analyse and discuss the contribution of European research programmes to major innovations.

Major innovations are loosely defined as those innovations which are seen as game-changing in daily life and/or in the structure of the economy. The symposium can draw on a wide range of literature and a number of case studies from Europe (partly based on a project which the European Commission assigned to JIIP) and other world regions. It will discuss different ideal-type models on which countries' contributions to major innovations can be based, such as the 'technology-driven' US approach, the 'market and exports driven' Asian model, and the European 'challenges and systemic innovations based' approach. It is recognised that such models are not fixed and can change fairly rapidly, given the changing characteristics of the dominant technologies or changing politics. This will then lead to a discussion of possible and preferred future models for Europe.

Speakers



Robert Fisher
Managing Director, Joint Institute for Innovation Policy



Jos Leijten
Advisor, Joint Institute for Innovation Policy



Frans Van Der Zee
Principal Consultant, TNO



Torsti Loikkanen
Principal Scientist, VTT



Michael Ploder
Senior researcher & Head research group, Joanneum Research Innovation Policy



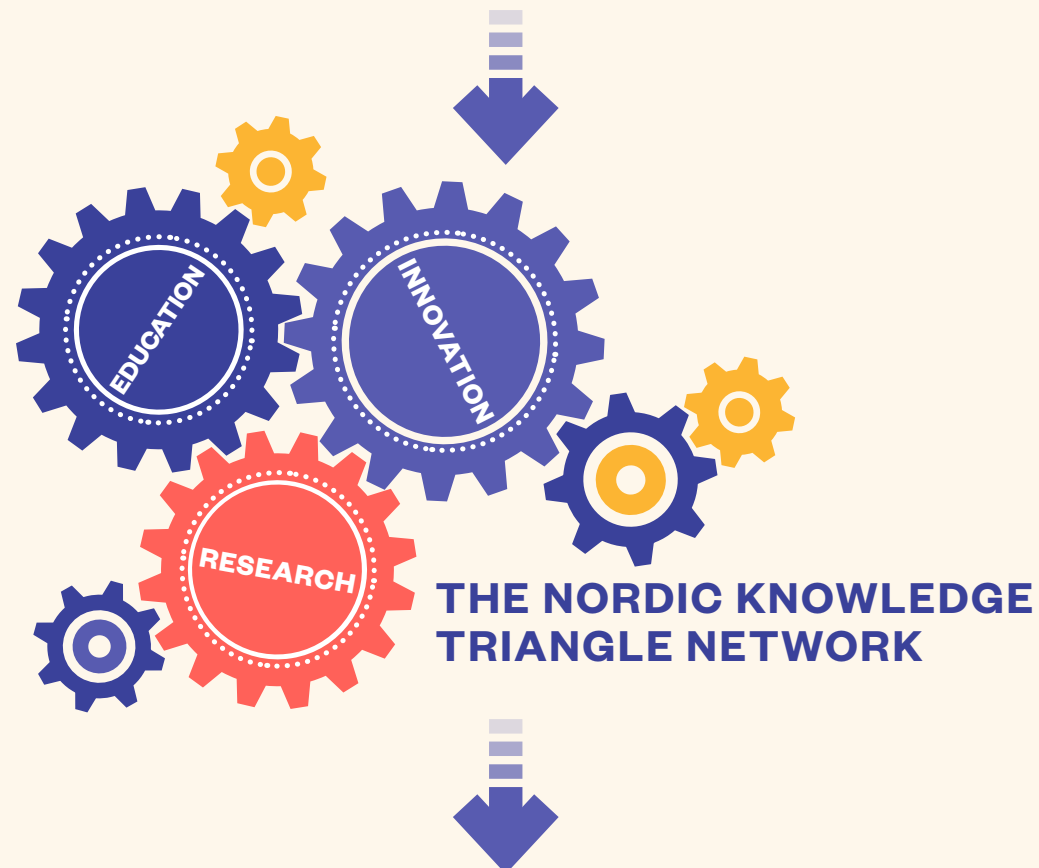
Bruno Smets
Director Public Private Innovation Partnerships, Philips Lighting

www.jiip.eu

Methods of Knowledge Transfer towards Innovation

Design, Culture, Welfare and Entrepreneurship

CONNECTING EXISTING PLATFORMS



ENABLING KNOW-HOW EXCHANGE
GLOBALLY

A humanistic and technological approach to designing sustainable tools and actions for knowledge transfer at the micro and macro level.

Methods of Knowledge Transfer towards Innovation Design, Culture, Welfare and Entrepreneurship

organised in cooperation with the Nordic Council of Ministers

Monday 17 November 2014, 17:00 - 19:00

JAN 6Q1, European Parliament, Brussels

The knowledge triangle concept has been defined as the interplay between education – research – innovation. Having emerged as part of a long-term growth strategy in the European Union by the Swedish Presidency in 2009, the knowledge triangle concept has been tackled only at an ideological level. There has been little discussion on how to best facilitate the practice of transferring knowledge between research, education and the business sector, especially for the field of humanities and social sciences. Due to lack of uniformity of methods, tools and procedures, this seminar will investigate efficient formulas that enable access to a strong knowledge base and open innovation processes, augmenting the discussion of knowledge transfer actions from a humanistic perspective.

The starting point for organizing this seminar is the initiative of the Nordic Council of Ministers which concentrated its efforts on establishing a network of Nordic and Chinese universities and colleges that will contribute to stimulating collaborations between academia and society, as well as increasing knowledge exchange in relation to commercialization and innovation. As a result, in the period 2011-2015, two large groups of networks have emerged: the Nordic group, which comprises 4 networks, and the Sino-Nordic group which includes 6 networks.

The seminar agenda will focus on concrete examples of successful methods and study cases shared by participants of the two groups of networks and other invited guests. The aim is to improve interactions at both micro and macro level between the research, education and business areas, and help and inspire stakeholders in the innovation process by providing them with access to knowledge generated in the fields of design, culture, welfare and entrepreneurship.

Our future prospect is to find opportunities to sustainably extend the Nordic networks and initiate collaborations with other European organizations and worldwide foundations to further develop platforms for easy knowledge transfer and long-term reciprocal action between the three knowledge-drivers in key areas – education, research and industry.

Co-hosts



Henna Virkkunen
MEP, Member of the K4I Forum Governing Board



Monika Mörtberg Backlund
Senior Adviser, Education & Research, Nordic Council of Ministers

Speakers



Halina Gottlieb
PhD, Knowledge Triangle Coordinator, Interactive Institute Swedish ICT, Sweden



Reidar K Lie
Professor and Head of Department of Philosophy, University of Bergen, Norway



Anders Warell
Associate Professor, the School of Industrial Design, Lund University, Sweden



Andre Liem
Associate Professor, the Department of Product Design, Norwegian University of Science and Technology, Norway



Magnus K Jonsson
The Ministry of Enterprise, Energy and Communications, Division for Research, Innovation and Industry Development, Sweden



Niclas Östlund
Innovation and Business Advisor, Innovation Financing at SLU Holding AB, Uppsala, Sweden



Kasper Hallenborg
Associate Professor and Head of Department at the Maersk Mc-Kinney Moller Institute at the University of Southern Denmark



Peter Göranson
General Secretary, NORDTEK



Bent Egberg Mikkelsen
Professor, Aalborg University, Denmark



The Place for Debate on the Future of Innovation in Europe

A Mandate for Innovation in Europe

Monday 17 November 2014, 19:00 - 21:00
Members' Restaurant, European Parliament, Brussels

Co-hosts



Lambert van Nistelrooij
Chair of the K4I Forum Governing Board, MEP



Jerzy Buzek,
Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Moderator



Roland Strauss
Managing Director, K4I

Speakers



Carlos Moedas,
Commissioner for Research, Science and Innovation, European Commission



Corina Crețu
Commissioner for Regional Policy, European Commission



Phil Hogan
Commissioner for Agriculture & Rural Development, European Commission



Friedhelm Schmider
President, Knowledge4Innovation

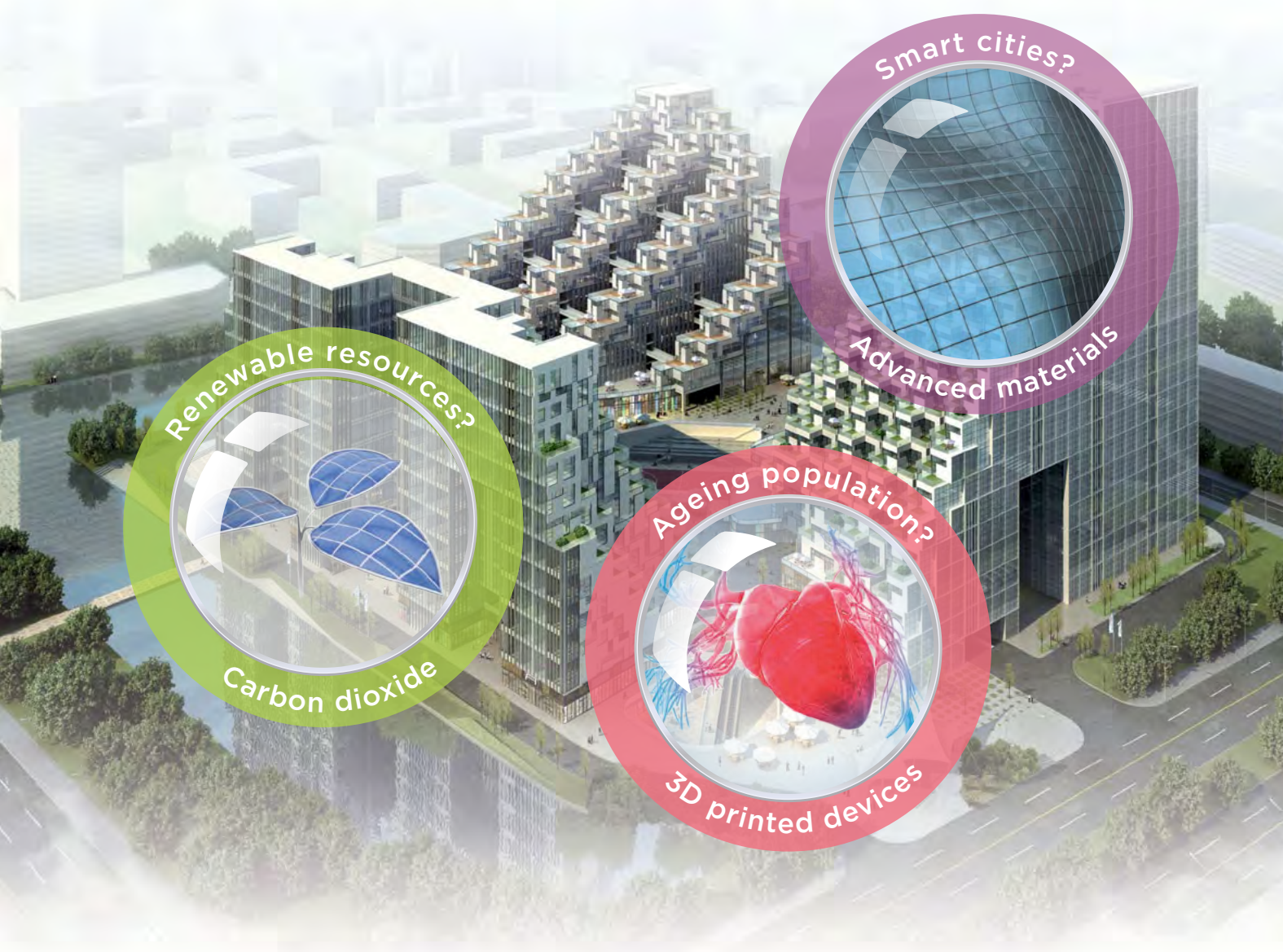


Christoph Keese
Executive Vice President, Axel Springer SE



Gernot Klotz
Vice-President K4I, Executive Director Research and Innovation, CEFIC



 INNOVATION FOR GROWTH


CHEMISTRY: EXPECT MORE



www.innovation-for-growth.eu

Advanced Manufacturing for a new European Industrial Renaissance

Let us defy your expectations

organised in cooperation with Cefic

Tuesday 18 November 2014, 08:00 - 09:30
Members' Salon, European Parliament, Brussels

Now, more than ever, Europeans need industry and industry needs Europe. Roots to a viable economy and growth & jobs, the industrial production is paramount to ensure the future of Europe and a high living standard. However, under global competition, a new European Industrial Renaissance can only go through a rejuvenated and therefore sustainable advanced manufacturing and processing.

- > Integrating resources and energy efficiency along the full value chains – where all input resources (including raw materials, renewable feedstocks, energy, water, etc.), all processes, output materials (including products, by-products and waste streams) and all recycle options are fully optimised.
- > Opening your mind and our business models to new concepts and materials for sustainable and smart construction and urban mobility – where self-healing properties, printed electronics, 3D printing can really leap-frog Europe into the 21st century.
- > Being enthused by breakthrough key enabling technologies that would make the SCI-FI movies become reality – such as transforming the “polluting” CO₂ into a renewable power engine both for industry and daily life.
- > Giving a chance to “good-old-manufacturing” to become the new, responsible “high-tech-made-in-Europe-driver” of endless possibilities.

Join us and build a vision for Europe!

Host



Christian Ehler
MEP, Member of the K4I Forum
Governing Board

Speakers



Antti Peltomäki
Deputy Director-General of the Enterprise
and Industry Directorate-General, EC



Gernot Klotz
Vice-President K4I, Executive Director
Research and Innovation, Cefic



Rudolf Strohmeier
Deputy Director General, DG Research
and Innovation, European Commission



Bottom-up vs Top-down Innovation: How much Funnelling and Prescription can Ingenuity Endure?

organised in cooperation with COST

Tuesday 18 November 2014, 08:00 - 09:30
Members' Salon, European Parliament, Brussels

One of the most burning topics in the European Union is currently how to stimulate innovation – or rather, how to stimulate innovation and thereby economic growth, competitiveness and societal well-being. This question is linked to the question how to better stimulate the different actors – research and academia and the private sector – to come up with new ideas, concepts, products and other inventions.

How to get the ball rolling? One of the issues might be that we always refer to a triangle, the knowledge triangle, which in Europe is mainly 'managed' top down, through large framework programmes such as Horizon 2020. Such programmes predefine and prioritise, based on a political agenda, the fields of research to be invested in. But is it the best approach to stimulate innovation, does this offer the most appropriate frame conditions?

New programmes have emerged in recent years, the most popular being the European Research Council, which offers the opposite approach through a totally open, investigator-driven, bottom-up approach and is demonstrating how this can lead to most successful outcomes and new paths to innovation.

COST, already created in the early seventies, has largely demonstrated that other ways exist, solely carried by excellence, inter-disciplinarity and breakthrough ideas, rather than by channelling processes and definitions. Most European and national budgets go to policy-driven programmes and initiatives. Should the balance be revised to focus more on investments in science and technology driven, open research?

Host



Victor Negrescu
MEP, Member of the K4I Forum
Governing Board

Speakers



Kurt Vandenberghe
Director for Climate Action and Resource
Efficiency, DG Research and Innovation,
European Commission



Yves de Weerd
Vito Research Institute, Belgian Delegate
in the Governing Board of the Joint
Programming Initiative Urban Europe



Bert de Colvenaer
Executive Director Fuel Cell and Hydrogen
Joint Undertaking (TBC)



Dr Monica Dietl
Director COST Association



Dr Ángeles Rodríguez-Peña
President COST Association



Dimitri Corpakis
Head of Unit, Directorate for the
Innovation Union and the European
Research Area, European Commission

Growing ideas through networks

COST is an intergovernmental organisation supporting the collaboration of nationally funded science and technology research through the creation of networks. Also known as Actions, these networks allow scientists to grow their ideas by sharing them with their peers and thereby give impetus to their research, career and innovation.

Economic Impact of Social Media

organised in cooperation with Facebook

Tuesday 18 November 2014, 08:00 - 09:30
Members' Salon, European Parliament, Brussels



www.facebook.com

As social media and traditional businesses become more deeply intertwined, the economic impact of social media has grown significantly. Over the last ten years the rapid expansion of social media has driven a much greater ecosystem, helping to support a large amount of start-up companies across the EU and beyond. **In 2011, a Deloitte study (Deloitte – Measuring Facebook's economic impact in Europe)** measured the economic impact Facebook had in Europe in 2011. It found that, in short, the central estimate of gross revenue enabled by the activities of Facebook was €32 billion. This revenue converts into an economic impact of €15.3 billion and supports 232,000 jobs.

The OECD – Internet Economy Outlook 2012 report, by Taylor Reynolds, shows how the Internet plays a major role in driving job creation and growth in 34 OECD member states. The data shows that at least 3% and up to 13% of business sector value added in the United States in 2010 alone could be attributed to Internet related activities depending on the scope of the definition.

PPI – Beyond Goods and Services: The (Unmeasured) Rise of the Data-Driven Economy highlights the fruits of the information evolution. According to its author, Dr. Michael Mandel, data should be a primary economic category just like goods and services. The growth in data consumption by individuals accounts for roughly ¼ of adjusted GDP growth in the first half of 2012 in the US.

A previous report by the EPC, **EPC – The Digital Single Market 2.0**, underlined the importance of investment in the European Digital Single Market and how it is not only important for EU's growth, but also for its longevity through increased competitiveness. EPC comes to the conclusion that a Digital Single Market would add at least 4% to EU GDP by 2020.

Host



Michael Theurer

MEP, Member of the K4I Forum
Governing Board

Speakers



Erika Mann

Managing Director, Facebook Brussels



Zoran Stančič

Deputy Director-General, DG Connect,
European Commission



Linda Griffin

Global Head of Public Affairs, King Digital
Entertainment



Research areas:

- On-ground and in-flight tests
- Diagnostic systems dedicated for aviation technology
- Support for the aviation technology management
- Simulation and modelling
- Avionic systems
- Air armament
- Reconnaissance, command and training systems
- C4ISR systems integration
- Unmanned Aerial Vehicles
- Diagnostics of airfields pavement
- Testing of petroleum and working fluids
- Products testing and certification



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- NATO Commercial and Government Entity Code (NCAGE) 0481H
- The Internal Audits System No. W-45/7/2014 in the field of scientific research to support operation/maintenance of military aeronautical systems
- The Industry Safety Certificate of the First Degree
- The authority to confer the post-doctoral degree

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**Framework Conditions and Obstacles
to Innovation in Europe**

Tuesday 18 November 2014, 09:30 - 11:00
 ASP 1G3, European Parliament, Brussels

At a time of unprecedented challenges, Europe's competitiveness and standard of living are threatened within the global competition. Economic forecasts for 2050 paint a dark scenario and a challenging role for the EU on the global stage. To make these predictions obsolete, innovation has been designated as the silver bullet that could galvanize Europe's strengths and drive economic growth as innovation is much more than research and funding of breakthrough ideas. To have an impact and to be worth the efforts, it needs to materialise on the market and bring value to the investors, the users and the economy as such.

The European Commission's Innovation Union strategy has set objectives and directions; policy instruments have been put in place and many actions have been taken (Horizon2020, PPPs, EIPs, Smart specialization, etc.). New political mandates have now been entrusted at European and national levels. We need to ensure that this new impetus adjusts, improves and deepens the dynamics and implementation of the strategy at all levels in a coordinated and synergistic way.

Issues

- Markets dynamics (and their operators), industrial dynamics (within their value chains), financial dynamics (and their drivers) need to be addressed and integrated within a common framework. The industrial value chains (from raw materials providers to the end-consumer producer industries) are critical to this process.
- Governance and policy are an essential element to ensure the coherence and timely implementation of any strategy and to allow for market penetration and economies of scale.
- Replicable pilot projects/PPPs involving industries along the value chains can demonstrate societal and economic value and attract investors.
- Business models and appropriate skills sets need to be thought of in order to facilitate quick implementation of new technologies.
- Investors' confidence, viable solutions, acceptance of technologies are topics that require specific and careful attention as innovation is as strong as its weakest link.

Questions

- Innovation.2014 versus Innovation.2010: where are we?
- What is Europe missing in crossing the "valley of death" (from research to societal value)?
- Strategy: structural changes or direction adjustments? Who can/should act?
- Implementation: how do we ensure relevant, timely and in-sync activities? What eco-systems favourable to innovation do we need? What are the strategic areas where we could "test" action?

Host



Neena Gill
 MEP, Member of the K4I Forum
 Governing Board

Moderator



Gernot Klotz
 Vice-President K4I, Executive Director
 Research and Innovation, CEFIC

Speakers



Vicky Ford
 MEP, IMCO Committee Chair, Member
 of the K4I Forum Governing Board



Pedro de Sampaio Nunes
 Head of Secretariat, EUREKA



Vladimir Sucha
 Director-General, Joint Research Centre



Prof. Eicke Weber
 Director, Fraunhofer-ISE



Joanna Dupont-Inglis
 Director of Industrial Biotechnology,
 EuropaBio



Klaus Hoffmann
 President, DOW CORNING EUROPE



Veronique Steukers
 Director, Health and Environment Public
 Policy, Nickel Institute



Angel Martin
 EU Government Affairs Leader,
 Dow AgroSciences



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Electronic Components and Systems are a pervasive Key Enabling Technology, impacting all industrial branches and almost all aspects of life.

ECSEL JU offers funding for Research, Development and Innovation projects with unparalleled systemic and strategic impact for smart, sustainable and inclusive economic growth.

For more information, see www.ecsel.eu



Horizon2020: First Impressions and Experience

Tuesday 18 November 2014, 11:00 - 12:30
ASP 1G3, European Parliament, Brussels

Horizon2020 is promoted as a step change in the implementation of the Innovation Union strategy. With nearly €80 billion of funding available over 7 years (2014 to 2020) – in addition to the private investment that this money will attract – it promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market. By coupling research and innovation, Horizon2020 has been set to put emphasis on the synergies between the three strategic areas: excellent science, industrial leadership and tackling societal challenges. The goal was to ensure Europe's continuous support to producing world-class science, to remove barriers to innovation and make it easier for the public and private sectors to work together in delivering innovations that will make a difference in people's lives.

With the first year's calls and projects awarded, it is imperative to assess the performance of this cornerstone instrument so that we can ensure timely and smooth adjustments, and refocus or plan complementary actions, if necessary.

Issues

- The three strategic areas of Horizon2020, while different in scope and targets, need to support each other if the main objectives of growth and jobs are to be achieved.
- Horizon2020 was designed to have a simple structure that would reduce red tape and make it more time-efficient so participants can focus on what is really important.
- Horizon2020 was set to work in-sync with other financial instruments at European and national levels in order to reach European critical mass

Questions

- Horizon2020: new wine in old bottles? Or old wine in new bottles?
- What worked well and what didn't? - a public sector's point of view
- What worked well and what didn't? - a private sector's point of view (big companies and SMEs)
- What worked well and what didn't? - a researcher's point of view
- How can we improve it?
- What are the realistic expectations for Horizon2020 and what can it achieve? (What) do we need anything else?

Host



Christian Ehler
MEP, Member of the K4I Forum
Governing Board

Moderator



Jos Leijten
Advisor, JIIP

Speakers



Maria da Graça Carvalho
Senior Advisor, Cabinet of Commissioner
Moedas, European Commission



Rudolf Strohmeier
Deputy Director General, DG Research
and Innovation, European Commission



Bertrand van Ee
Climate-KIC CEO



Andreas Förster
Director, Dechema



Bernd Schulte
Vice President, Photonics 21

Medical Delta



Reinventing health care



Medical Delta is a knowledge driven life sciences, health and technology cluster situated in the economic heart of the Netherlands, the Rotterdam-Delft-Leiden area.

In Medical Delta, top ranked universities and university medical centers work together with industry and government to provide a dynamic environment in which knowledge is efficiently transferred from one partner to the other shortening time to market and creating an ideal setting for innovative companies, large and small. With its state of the art facilities, high quality education and excellent logistics it

provides a 'soft landing site' for companies into Europe. Medical Delta fosters convergence, the synthesis between life science, physics and engineering sciences, aiming at health and vitality on a personal scale, while providing top-quality tailor made health care throughout life. To achieve this new health care models and technologies are being developed in close interaction with the end-users.

Strategic Alliance Leiden-Delft-Erasmus

Medical Delta is a successful example of collaboration between Leiden University, Delft University of Technology and Erasmus University Rotterdam.

By working together, the three universities aim to explore and solve complex issues facing today's and tomorrow's society: heritage, safety and security, sustainable mobility and mainports, frugal innovation in Africa, sustainable resources, economic and financial crisis in the EU, innovative education, health, and governance of complex societies.

More information:
www.news.leiden.edu/leiden-delft-erasmus



we add

www.medicaldelta.nl

The Challenges to Innovation in Healthcare

Establish citizen centered approaches to health management, prevention strategies and life style interventions

Tuesday, 18 November 2014, 12:45 - 14:40

ASP 1G3, European Parliament, Brussels

The global demographic transition and the desire to deliver good quality health care across geographical, political and cultural barriers drive a strongly growing demand for a different approach to 21st century healthcare. In particular, a paradigm shift is required in the way we approach the health status and well-being of older (European-) citizens.

The European health care systems should be organized in such a way that key life-style and health care choices can be made at the individual level, independent of the socio-economic background, ethnicity or nationality. Health management then becomes participatory, allowing the individual citizen to obtain access to relevant sources of information and expertise and actively contribute to them. Crucially, only the well-informed, empowered citizen is in a position to assume this responsibility, hence promotion of health literacy is a key element of this challenge.

Concomitant with the deployment of personalized health strategies, the current "single disease-single doctor" approach should be transformed into an integrated model of care with the user at the core. This approach includes the full care cycle of health promotion, prevention, prediction, diagnosis, treatment, care and rehabilitation. Tailored health care delivery will take advantage of refined disease taxonomies, the availability of relevant personal health information based on medical- and behavioural-data sources, disease modelling and treatment planning.

As an increasing amount of health care will take place in the home, we need to be able to operate the local social and health care systems as high reliability integrated organizations. This requires data driven decision support systems for seamless and efficient care that allow monitoring and coordinating local care chains. This development needs to be coupled to novel economic incentives for citizens and societies, based on proper notions of quality and value-based outcomes for maintenance of health and independent living. Organizing chronic care and disease management as much as possible extramurally, will not only create significant cost savings, it will also improve patient outcomes and will raise the standard of health and wellbeing.

Host



Alojz Peterle
MEP

Speakers



Dr. Menno Kok
Erasmus University Medical Center
and Medical Delta



Cees van der Schans
Professor Health Care and Nursing,
Hanze University of Applied Sciences



Dr. Martijn Lolkema
Erasmus University Medical Center



Dr. Arfan Ikram
Erasmus University Medical Center

NON-FERROUS METALS ENABLE A BALANCE BETWEEN ECONOMY AND ENVIRONMENT

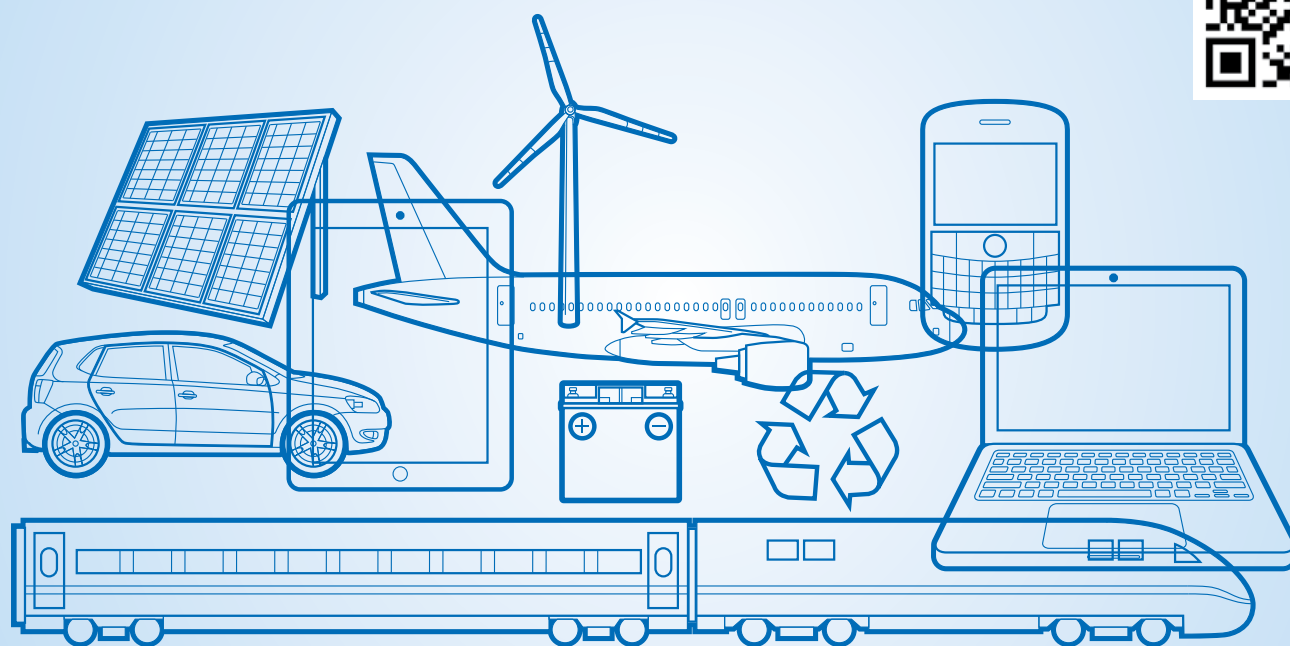
There is no innovation, no energy and resource efficiency, no climate protection, no future technologies for our modern world without the use of non-ferrous metals.

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www.nickelinstitute.org

NF metals are
modern life

Strengthening the
European Industry



**METALS
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METALS FOR SOCIETY

**Nickel
INSTITUTE**

Metals are the basis for innovation, and we want to continue producing in Europe. To be competitive, we require an international level playing field.

Science and risk based, effective approaches create the basis to maintain innovation and competitiveness of the EU non-ferrous metals industry.

How the European Metals-industry can Contribute to Innovation and Sustainable Growth

organised in cooperation with Metals Pro Climate

Tuesday 18 November 2014, 12:45 - 14:30
Members' Salon, European Parliament, Brussels

The ITRE Committee has produced a paper that describes, analyses, and recommends options as to how the European industry can contribute to sustainable growth and competitiveness in the EU. It reviews factors that influence growth and competitiveness, and links case studies from the European industry to related barriers and enablers. It presents recommendations for framework conditions that public authorities can influence in order to help the European industry to reposition itself globally. A European benchmark and monitoring framework should be established as the basis for a long-term action plan for the realisation of a circular economy. EU funded initiatives with focus on circular economy concepts in Smart City initiatives should be prioritised.

For example, let's have a look at the current EU regulations concerning waste. These should be reassessed at EU level to examine their intended and non-intended effects on the implementation of the circular economy. An EU-28 study on approaches to the circular economy and how countries handle waste should be conducted as the basis for dialogue and distribution of best practices. Steps could be taken at European level towards encouraging further integration of waste streams, their handling and recycling. One such example can be a coordinated action across groups of Member States with respect to investment in shared facilities for recycling of high-value waste such as precious materials, preferably in co-operation with private investors (Public-Private Partnership).

The outstanding property of non-ferrous metals is their recyclability. They can be recycled again and again, most of them without any loss of quality – sustainability and resource conservation par excellence. Because of their recyclability they are key for a circular economy.

Our modern lifestyle would be impossible without non-ferrous metals. Thanks to their outstanding physical properties non-ferrous metals can be found everywhere: in telecommunications, power generation and transmission, in our houses and in our cars. No telephone, computer, TV or car could function without non-ferrous metals.

Host



Jerzy Buzek,
MEP, Vice Chair of the K4I Forum
Governing Board, ITRE Committee Chair,
former President of the European
Parliament

Speakers



Mattia Pellegrini
Head of Unit, Raw Materials, Metals,
Minerals and Forrest based industries,
DG Enterprise, European Commission



Oliver Bell
Executive Vice President of Norsk Hydro
ASA, Norway and Chairman of Metals pro
Climate (German industrial initiative for
climate protection, energy and resource-
efficiency)



Veronique Steukers
Director Health & Environment Public
Policy, Nickel Institute



Martin Kneer
General Manager of German
Non-Ferrous Metals Association and
Managing Director of Metals pro Climate
(German industrial initiative for climate
protection, energy and resource-efficiency)

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Internet Governance as an Innovation Driver

organised in cooperation with IEEE

Tuesday 18 November 2014, 12:45 - 14:30
Members’ Salon, European Parliament, Brussels

The open Internet with its pervasive and expansive reach has enabled a great deal of high-impact developments with the power to transform our personal and professional lives. It has enabled new levels of social engagement and networking, it has generated explosive opportunities in commerce and business development and has opened new ways of working and playing - all contributing to the global knowledge community.

The “Internet Revolution” has given rise to increasing levels of connectivity that now go beyond the Internet to the Internet of Things and People. It has given rise to unprecedented open innovation and ideation fueled by connectedness and powered by open access to the Internet. However, the world of open innovation and collaboration also encompasses massive exchange and capture of data and information, which brings up the issues on how that data and information are being stored, accessed and used. Now, we enter a world where we weigh the complex risk of such openness—risk to our security, privacy and anonymity. And one question prevails - how do we find the balance between the desire and critical global need for an open Internet and the right to protect privacy, ensure anonymity and to safeguard the world citizens.

Join the IEEE at the ‘Internet Governance as an Innovation Driver’ hosted lunch, where a panel of global thought leaders will delve into how Internet Governance challenges and discussions are bringing these issues to the forefront and driving innovative approaches to address them.

Host



Victor Negrescu
MEP, Member of the K4I Forum
Governing Board

Speakers



Konstantinos Karachalios
IEEE-SA, Managing Director



Megan Richards
EC, Principal advisor



Jean-Jacques Sahel
ICANN, Vice-President, Stakeholder
Engagement for Europe



Walter van der Weiden
Chair of Market Regulation Group,
DigitalEurope



Driving innovation



Creating catalysts of change



Inspiring business leaders

Open Innovation and Practical Action to support Europe's Low Carbon Regional Economic Development

organised in cooperation with Climate-KIC

Tuesday 18 November 2014, 12:45 - 14:30
Members' Salon, European Parliament, Brussels

Climate-related innovation is at the heart of Europe's multi-annual financial framework for 2014-2020. 20% of the entire €1 trillion budget for this period is earmarked for addressing climate change and stimulating the low-carbon economy. This is a significant commitment underpinning the EU's roadmap for moving to a competitive low carbon economy in 2050. The largest part of this budget is the €350bn that will be invested through the European Structural and Investment (ESI) Funds in Europe's regions, cities and the real economy. A minimum ESI investment of €23bn during this period will support the shift to the low-carbon economy (not including other public and private co-funding). This amounts to the largest coordinated investment programme in low-carbon innovation over the next 7 years.

The lunch debate on the 18th November at the European Parliament promoted by Climate-KIC will be a great opportunity to discuss with high level representatives from the European Parliament, European Commission and Climate-KIC, practical actions that this investment programme would be able to implement in terms of coordinating policy and practice across Europe, sharing knowledge, stimulating open innovation and developing capacity and capability at the intermediary level, to put the EU back at the forefront of global leadership on delivering the transition to a low-carbon economy.

Issues

- Regional Innovation and Implementation Communities (RIC)
- Regional Innovation Scheme (RIS)
- Synergies between Horizon 2020 programme and the European Structural and Investment Funds
- European platform on regional innovation for the low-carbon economy
- Open Innovation
- Transitions Hub

Questions

- How in practice the EU will develop synergies between EU-funds, in particular the Horizon 2020 programme and the European Structural and Investment Funds.
- How a network of European regions and cities in Climate-KIC collaborate on regional innovation policy and practice for the low-carbon economy?
- Which lessons learnt from Climate-KIC programmes - e.g. its business Accelerator, flagship projects, business and professional education courses – which have been tested in different locations across Europe could help in the practical actions of the EU regional investment agenda?
- How to reach wider interest from EU regions, business and academia in the jointly implementation of open innovation this low carbon agenda?

Host



Lambert van Nistelrooij
MEP, Chair of the K4I Forum
Governing Board

Moderator



Aled Thomas
Regional Innovation and Implementation
Community (RIC) Director, Climate-KIC

Speakers



Xavier Prats Monne
Director General, DG Education and
Culture, European Commission



Mathieu Fichter,
Member of the Cabinet of
Commissioner Crețu



Kurt Vandenberghe
Director, Climate Action and Resource
Efficiency, DG Research & Innovation,
European Commission



Peter Olesen
Chairman, European Institute for
Innovation and Technology (EIT)



Thomas Wobben
Director of Horizontal Policies and
Networks, Committee of the Regions
(TBC)



Bertrand van Ee
Climate-KIC CEO

Quantum Technology and Quantum Computing in the 21st Century

organised in cooperation with TU Delft

Tuesday 18 November 2014, 12:45 - 14:30
Members' Salon, European Parliament, Brussels

With the start of the new Commission, Parliament and Council it is time to ensure that the EU does not miss one of the biggest emerging opportunities in the field of extremely advanced science and engineering of our time with unprecedented impact on Europe's role in global society and business. The world is at the start of a new era in the application of quantum physics.

A critical condition for the success of Europe's quantum science and engineering is a strong European program on Quantum Technology, which should progress from basic theoretical research towards industrial applications within less than a decade.

To get Europe in the lead on Quantum Technology, the EP is urged to take a pro-active role.

We invite EPs and the new Commission to learn about the latest opportunities that Quantum Technologies can offer the EU, most notably on the topic of secure communication.

With the publication of the staff working document on FET Flagships we invite the new Commission to:

Challenge the leading **Quantum Science and Engineering** community in Europe by calling for a core project in accordance with the Horizon 2020 FET Flagship model in 2016. The quantum community is eager to take it on and present features of their plan. It will consist of Science and Engineering roadmaps on topics of quantum communication, computation, information sciences, simulation, metrology, sensing and imaging.

Central Question:

To get Europe to profit from the existing quantum expertise, the new Commission is urged to take several bold steps. Is Europe ready to take steps to create a concerted quantum effort?

Co-hosts



Cora van Nieuwenhuizen
MEP, Member of the K4I Forum
Governing Board



Patrizia Toia
MEP

Speakers



Prof John Morton
University College London



Prof. Lieven Vandersypen
Delft University of Technology



Thierry van der Pyl
DG CNECT, European Commission



Thierry Debuisschert
Thales (TBC)

The Role of Innovation for Secure and Affordable Energy in Europe

Tuesday 18 November 2014, 15:00 - 17:00
PHS 5B001, European Parliament, Brussels

Secure supply, increased use of renewables, affordable energy prices, increased efficiency, smart, integrated networks, smarter use of energy and reduction of greenhouse gas emissions, these are the ambitious objectives of the European energy policy. Indeed, an integrated energy strategy needs to take into consideration a number of parameters and what is more – they must rely on innovation every step of the way. Not only in terms of breakthroughs in technology development, but also in terms of new business models, new ways of doing things, “outside-the-box” policies. This is the only way to ensure that Europe can build its own sustainable system across sectors, borders and institutions.

From strategy to technologies, from taxes to subsidies, from PPPs to individuals - we need the mindset and the drive for change on every level, only then we can achieve the European energy objectives.

Issues

- As highlighted by the variety of technological roadmaps, Europe seems to have a full grip on the technological knowledge needed to address the energy challenges.
- The next step is identifying the best pathways for work, timely implementation and synergies between various programmes, stakeholders, instruments, authorities.
- Governing this system and creating the market pull for technologies through policies is an important mandate for European policy makers as we go forward.

Questions

- The biggest challenge in the energy field is implementation.
- What vision is needed to align significant investments?
- How and what to prioritise: short-term, medium-term, long-term goals?
- How to create better coordination between different instruments, sectors, technologies?
- How to find the balance between different targets (sometimes competing) taking into consideration technological, economic, environmental and social aspects?

Host



Prof. Jerzy Buzek
Vice Chair of the K4I Forum Governing
Board, MEP, ITRE Committee Chair, former
President of the European Parliament

Speakers



Dominique Ristori
Director-General of DG Energy,
European Commission



Gernot Klotz
Executive Director Research and
Innovation, CEFIC



Tudor Constantinescu
Principal Adviser to Dominique Ristori,
DG Energy, European Commission



David Salisbury
President, GERG



Rainer Janssen
Vice-President, EUREC



Pierluigi Mancarella
IEEE European Energy Working Group
Chairman, IEEE



Wim van Gemert
Professor Energy Innovation, Hanze
University of Applied Sciences



Oliver Bell
Chairman, Metals Pro Climate; Executive
Vice President, Norsk Hydro ASA, Norway



Ingo Wagner
DHC+ Technology Platform
(Intervention)



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Big Data, People's Data

Tuesday 18 November 2014, 15:00 - 17:00
ASP 1G3, European Parliament, Brussels

Governments across the developed world have identified ‘big data’ as key resource for economic growth and innovation. In addition, the medical sector is heavily invested in the analysis of big medical data for the purpose of improved health care. The range of such data is wide and varies from sensing data about, for instance, traffic patterns to data from online consumption, social media updates or one’s personal DNA. While some of this data is abstract and has no owner, big part of it, in contrast, concerns personal data of individual citizens and consumers. It is known that people consider medical, financial and social media data as highly sensitive, and that they are concerned about the usage of this data outside of the original context. This is not only an issue of privacy and data control, but as data is increasingly seen as resource of economic growth, it becomes also a matter of data-ownership. Research shows that people increasingly feel that their personal data is being exploited for economic benefit; if data drives the economy and the medical sector, should governments and corporations compensate people for the usage of their data?

Issues

- Data ownership and monetization
- Opt-in needs
- Mobile and app data challenges
- Governance and regulation needs
- Vulnerable groups

Questions

- How can the privacy paradox, that people eagerly share personal data in one context and are protective of it in another, be explained?
- How do issues of data-ownership differ between corporate, governmental and health contexts?
- What kind of strategies for the monetization of personal data are available to citizens and consumers?
- Is current legislation and regulation sufficient to address the concerns of citizens and consumers?
- How do mobile and app technologies affect these issues?

Host



Michał Boni
MEP, Member of the K4I Forum
Governing Board

Moderator



Jan van Dalen
Professor of Business Intelligence,
Erasmus University Rotterdam

Speakers



Günther Oettinger
Commissioner for Digital Economy &
Society, European Commission (Invited)



Giuseppe Abbamonte
Director Media and Data, DG CNECT,
European Commission



Maciej Bukowski
Warsaw School of Economics



Liesbet van Zoonen
Professor of Popular Culture, Erasmus
University Rotterdam, Professor of Media
and Communication, Loughborough
University UK



William Hoffman
Associate Director, World Economic
Forum, New York



Andrew Stubbs
Erasmus Medical Centre



Yannick Legré
Director, EGI



Viviane Reding,
MEP



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Who we are:

- more than **50** countries
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The Next Generation Innovators

Tuesday 18 November 2014, 17:00 - 19:00
ASP 1G3, European Parliament, Brussels

Human capital and innovation are strongly tied together. People are the source and medium of making dreams a reality and turning inspiration into innovation. Entrepreneurs, thinkers, creators, and scientists make it possible to access knowledge, bring innovation to the market and ensure growth. The effective use of human potential is thus the core of economic progress and the heart of innovation capacity. To secure its position in a global context in this century the EU must, as a priority, invest in young talent.

A major impediment to innovation in Europe is the attitude towards 'risk'. Speaking of young innovators and start-ups it is important to recognise that innovation is a sum of processes, which are creative and experimental by nature. It requires an environment where freedom to try and fail is encouraged. Entrepreneurs are crucial in the overall equation of successful innovation. After all, we do not want to enlarge the "Valley of Death" for our startups.

Discussions will be triggered by the 'stories' presented by young entrepreneurs, researchers and students, with contributions from MEP (entrepreneurs) and experienced industry experts, in what promises to be a very interactive forum.

The meeting will be ground-breaking ... and it feels good that the younger generation is seriously investing in "the EU's future – our future!"

Issues

- Ingredients for successful innovation
 - Personal: skills/talent/mobility/risk-taking/inter-disciplinary/international
 - Framework conditions: labor law, high-cost, use of ICT, public support
- Financing: availability of VC/BA money, banks/guarantees
- Human capital: access to skilled people

Co-hosts

Brando Benifei
MEP, Member of the K4I Forum Governing Board

Victor Negrescu
MEP, Member of the K4I Forum Governing Board

Speakers

Peter Dröll
Acting Director, DG Research and Innovation, European Commission

Linda Griffin
Global Head of Public Affairs, King Digital Entertainment

Peter Olesen
Chairman, European Institute of Innovation and Technology

Prof. Thomas Schäfer
University of the Basque Country "SCI-Generation" Chair

Barbara Andreani
Brussels Coordinator, Enterprise Europe Network

Austin d'Souza
PhD student, Hanze University of Applied Sciences

Ebrahim Mohamed
Director of Education, Climate-KIC

Wojciech Przybylski
Project Leader, "New Europe 100"

Dariusz Żuk
Co-founder & Ceo, Entrepreneurial Poland

Szymon Kurzyca
Operational Director & Investment Manager, HCM Group

Innovative Education Sustainable Mobility

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Delft University of
Technology and Erasmus
University Rotterdam
collaborate in tackling
complex challenges
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Frugal Innovation in Africa Global Heritage

Sustainable Mainports Safe and Secure Societies Sustainable Resources Health

Learn more:

www.news.leiden.edu/leiden-delft-erasmus

Big Data: Future Challenges and Opportunities

organised in cooperation with TU Delft,
Leiden University and Erasmus University Rotterdam

Tuesday 18 November 2014, 19:30 - 22:00
Members' Salon, European Parliament, Brussels

This dinner event will be hosted by the Leiden University, Delft University of Technology and Erasmus University Rotterdam. These three leading universities work together in a Strategic Alliance to tackle complex challenges facing society such as Big Data.

The themes for the dinner tables are:

Theme 1: Modernizing Universities in the new digital age

Theme 2: The E-Urban Ecosystem: creating urban sustainability

Theme 3: Big Data: who owns the people's data?

Theme 4: Big Data and modern education: the role of online education

Theme 5: Big data and health care innovation

Theme 6: Delft: Quantum Technologies / safety and security / in the light of Big Data

1. Intermezzo: Prof. Simone Buitendijk on 'The role of online education'
2. Summary of the discussions into main conclusions/recommendations by moderators, introduced and conducted by Prof. Huib Pols
3. Short reflection on the conclusions and recommendations and word of thanks by Sean Kelly

Host



Seán Kelly
MEP, Member of the K4I Forum
Governing Board

Speakers



Dirk Jan van den Berg
CEO, TU Delft



Prof. Simone Buitendijk
Member Executive Board Leiden
University



Prof. Huib Pols
Rector Magnificus Erasmus
University Rotterdam



PESTICIDES AND SUSTAINABLE AGRICULTURE



Health

Our Safe and Sustainable Use Initiative contributes to safeguarding farmer health and protecting the environment



Biodiversity

We work with partners to promote resource-efficient agriculture for the benefit of harvests and biodiversity



Water

Working together with key European stakeholders we're helping to keep pesticides out of water



Food

We actively address consumer concerns about pesticide residues; Europe's food has never been safer or healthier

Pesticides play a vital role in ensuring agricultural productivity and competitiveness. But our industry does a lot more than just help farmers put healthy, high-quality and affordable food on European tables. With projects in four thematic areas – Food, Water, Health and Biodiversity – we promote and encourage the safe and sustainable use of our technology in countries across Europe. Through innovation, agricultural productivity can help deliver benefits to society while protecting the environment, safeguarding health and promoting biodiversity.

The EU needs regulatory policies that foster rather than discourage this innovative spirit. Find out how Europe can ensure its place as a world leader in innovation and economic, social and environmental security: www.visionforeurope.eu



www.ecpa.eu
[www.twitter.com/cropprotection](https://twitter.com/cropprotection)
www.facebook.com/cropprotection

Smarter and Better Regulation - How can this Impact on Innovation?

organised in cooperation with ECPA

Tuesday 18 November 2014, 19:30 - 22:00
 Members' Salon, European Parliament, Brussels

Run a regulatory fitness check for different sectors including the crop protection sector:

The EU could benefit from a 'regulatory fitness check' across many sectors, including the crop protection sector. It should examine the ever-increasing regulatory burdens and assess their practicability, efficiency, and impact on innovation by taking into account both primary and secondary legislation and their interaction. The lessons learned should form the basis of a proportional, efficient, cost-effective and innovation-friendly regulatory framework.

Improve impact assessments in policy-making:

Policy-makers should consider the potential impact of their political, legislative and regulatory decisions in social, economic and environmental terms, including innovation. The impact assessment should be carried out independently in a participatory and transparent way to better inform decision-makers for all policy and legislative initiatives.

Achieve an institutional common understanding of the precautionary principle:

Europe needs a clearer understanding, common interpretation and use of this essential principle of the EU Treaties by all EU institutions. The precautionary principle aims to achieve a high level of protection for health and the environment, thereby enabling decision-makers to better balance the benefits, risks and uncertainties of policy decisions. Considering precaution in a broader framework, incorporating proportionality and innovation, will provide a basis for more balanced EU decision-making.

Issues

- Run a regulatory fitness check on different sectors, including CP sector - the review of existing legislation is more important than producing less useful new legislation.
- Improve impact assessments in policy-making, including review of the Impact Assessment Guidelines.
- Strive to draw up and implement smarter and better regulation.
- How could the interpretation of the precautionary principle affect better regulation in the future.

Questions

- Who is responsible for smarter and better regulation?
- How will the Commission improve its proposals, including recasts and revisions, bearing this in mind? Do they see the review of the impact assessment guidelines as part of this?
- How are politicians accountable? How can they help improve EU regulation?
- How can sectors - industry, NGOs – feed into this process?
- How do Member States view this concept?

Host



Vicky Ford
 MEP, IMCO Committee Chair,
 Member of the K4I Forum Governing
 Border

Speakers



Jean-Charles Bocquet
 Director General, European Crop
 Protection Association



Joe Dunne
 Acting Director for Impact Assessment
 and European Added Value, DG for
 Parliamentary Research Services,
 European Parliament



Jonathon Stoodley
 Secretariat-General, European
 Commission



Tim Figures
 Counsellor for Competitiveness and
 Markets, UK Representation to the EU



In order to succeed in meeting the challenges of secure, affordable and sustainable energy we will need to create many new ways of interacting with our energy networks. These will need to enable the integration of renewables of all types, the addition of demand side responses and close coupling of gas and electricity networks. All of this will need to be done in a 'smart' way. There is a dilemma to be faced within this as individual networks are subject to significant economic and technical regulation which focuses them on the shorter term horizon and issues such as unbundling, asset life extension and providing value to customers. A major challenge will be to provide the regulatory environment to allow innovations to be tested on live grids and to send the signals to the grid operators to work on longer time horizon developments.

GERG, the European Gas Research Group has been part of the energy industry picture for over 50 years now. In that time it has witnessed huge changes. The last decade in particular has seen a transformation with few if any of the original industry giants standing still, and a slicing of the old vertically integrated gas companies into a much larger pack of leaner more focused companies, each concentrating on a part of the energy chain. Along with these changes, mergers and deregulation have led to many gas companies becoming multi-utility players, energy companies. GERG now has a growing role in providing the 'glue' of innovation developing the ideas and the projects which will show how our existing gas infrastructure can be integrated into a future SMART interdependence.

Therefore the current focus of GERG is enabling new gas technologies to integrate with renewables and increasing their flexibility:

- The existing gas grid provides a flexible storage medium for energy and avoids costs of electricity grid reinforcement and under-utilization of renewable capacity.
- Flexible gas powered generation is developing which can load follow to support the intermittency of renewables.
- Decarbonisation of the gas network is happening through a mixture of power to gas and biomethane injection.
- The integration of a new generation of gas end use appliances will provide a lower-cost and flexible alternative to a dependence on increases in electricity transmission capacity.

In summary, natural gas technology will be vital in enabling the smart supply and demand managed, low-carbon integrated energy network of the future. GERG is working across a rapidly changing landscape of partners to make this future real.

If you are interested in knowing more about GERG or perhaps interested in joining, contact

Dr Robert Judd, General Secretary, GERG
 robertjudd@gerg.eu
 www.gerg.eu

The Gas SMART Grid and Its Role in Europe's Energy Future

organised in cooperation with GERG

Tuesday 18 November 2014, 19:30 - 22:00

Members' Salon, European Parliament, Brussels

Our energy system is in a state of major transformation and future energy networks will be increasingly interconnected and interdependent. To efficiently deal with the increasingly complexity of our energy future, it is important to develop smart networks which function as components of a holistic and integrated energy system. This future system will include gas, electricity, heat and Information and Communication Technologies (ICT).

Unlike electricity networks, gas networks can already store large amounts of energy; gas system operators are also increasingly interested in accommodating renewable or sustainable gases. An example of the bridging of the gas, electric and renewable worlds is the concept of Power to Gas, where hydrogen can be generated from excess renewables and introduced into the gas network, therefore providing an important flexibility and balancing service. Smart monitoring, and the introduction of new techniques of more 'active' control will optimise operation at a system level and will lead to a more efficient network which will overcome many of the challenges of integration of ever larger quantities of renewables.

The smart gas grid concept is based on maximising the efficiency of overall energy usage by taking full advantage of all the opportunities that gas and the gas grid can offer, and taking society through the lowest cost and least disruptive energy transition possible.

This event will look at the SMART gas Grid concept from a number of angles, and allow the audience to engage in an important debate about the future of Europe's energy.

Host



Prof. Jerzy Buzek
 Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Speakers



Tudor Constantinescu
 Principal Adviser, DG ENER, European Commission



Manuel Sanchez Jimenez
 Team Leader Smart Grids, DG ENER, European Commission



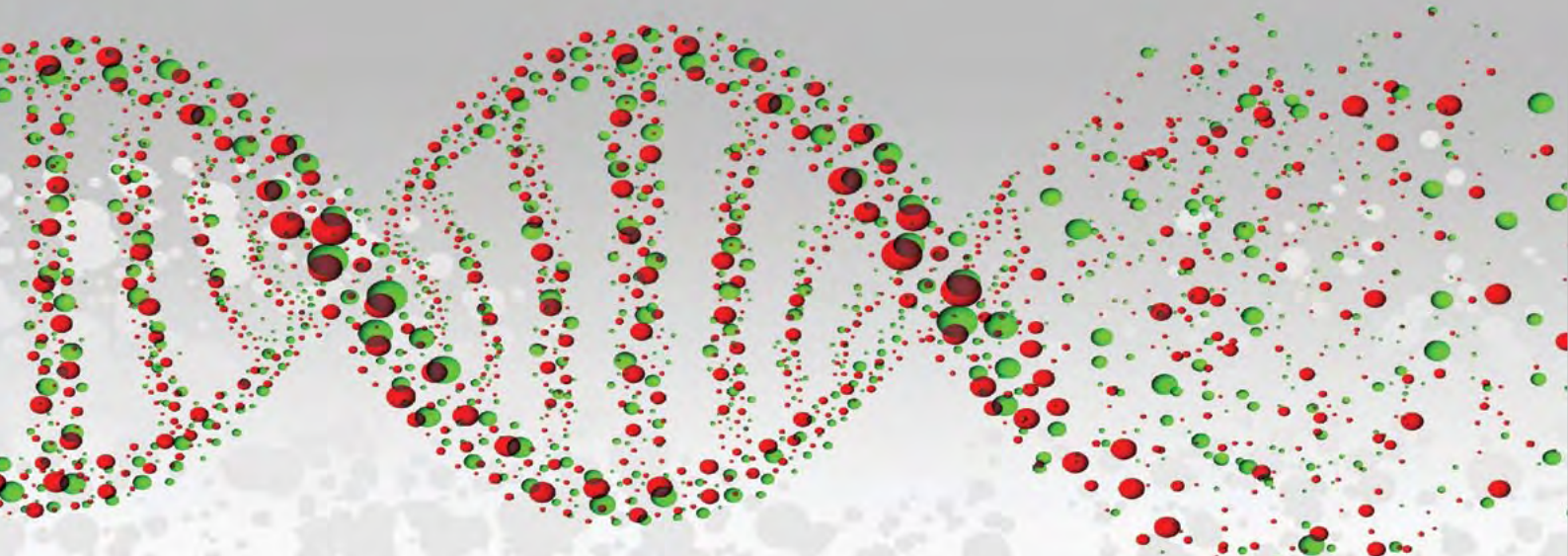
David Salisbury
 President, GERG



Marcus Newborough
 Development Director, ITM Power



Jos Dehaeseleer
 Leader of the Marcogaz SMART Gas Grid Task Force



EuropaBio is the European Association for Bioindustries and was created in 1996 to provide a voice for the biotech industry in Europe. EuropaBio's mission is to promote an innovative and dynamic biotechnology-based industry in Europe.

We represent corporate and associate members, Bio regions, and national biotechnology associations, who in turn represent more than 1800 small and medium sized biotech companies. Members of EuropaBio are involved in research, development, testing, manufacturing and commercialisation of biotechnology products and processes. Our corporate members have a wide range of activities: human and animal health care, diagnostics, bio-informatics, chemicals, crop protection, agriculture, food and environmental products and services.

EuropaBio also welcomes associate members such as international commercial, financial, asset management and other service-providing companies, regional biotechnology development organisations and scientific institutes. The common denominator among all our members is the use of biotechnology at any stage of research, development or manufacturing.

Biotechnology: 3 sectors, 1 voice!



Healthcare

With 50% of medicines estimated to come from the biotech sector by 2015, Healthcare Biotechnology is already benefiting more than 350 million patients around the world to treat and prevent every day and chronic illnesses including heart attacks, stroke, multiple sclerosis, breast cancer, cystic fibrosis, leukaemia, diabetes, hepatitis and other rare or infectious diseases.



Agricultural

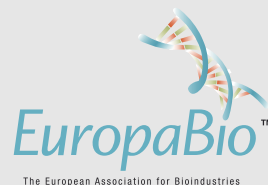
With over 17 million farmers planting GM crops in 2012 alone, and 90% of them being small resource-poor farmers in the developing world. Planting GM crops also leads to less fuel and CO₂, the equivalent to removing 7.8 million cars from the environment.



Industrial

With a bioeconomy that is worth nearly €2 trillion and provides approximately 22 million jobs in Europe alone across sectors as diverse as agriculture, forestry, fisheries, chemical and biofuels.

EuropaBio, representing the biotechnology industry since 1996. Ranked the most effective trade association in Brussels. Visit www.europabio.org



Who Benefits from Intellectual Property Rights for Agricultural Innovation?

organised in cooperation with EuropaBio

Wednesday 19 November 2014, 08:00 - 09:30
Members' Salon, European Parliament, Brussels

Technology in agriculture advances much more rapidly than is often assumed, but returns on investments may be slow. For this reason, many agricultural innovations are protected by Intellectual Property Rights. But how much do we know about their impact on society?

We will present a new study which examines the case of Ogura oilseed rape technology in France. Ogura is a patented hybridisation technology that is used to make Oilseed Rape hybrids with higher yields. This technology had a major impact on farmers in France and beyond, but how have Intellectual Property Rights contributed?

We will discuss this with high level representatives of the European Patent Office, the European IPR Helpdesk, and the owner of the technology (the French public research institute INRA).

Questions

- Do Intellectual Property Rights (IPR) in agriculture profit just the innovator?
- What is their impact on farmers and licensees (in this case seed companies)?
- Can and should plant-related innovations be patented?

Host



Michel Dantin
MEP

Moderator



Beat Späth
Director of Agricultural Biotechnology,
EuropaBio

Speakers



Dominic Muyldermans
Senior Legal Consultant, CropLife
International



Heli Pihlajamaa
Director, Directorate Patent Law,
European Patent Office



Willem Ruster
Strategy Consultant,
Steward Redqueen Discussion



Philippe Lenée
CEO, INRA Transfert



Serge Quazzotti
European IPR Helpdesk



Renewable energy needs innovative professionals!

One of the biggest challenges for the near future is the transition to a sustainable society, based on the use of clean energy sources. Many new professionals are needed to bring about this crucial change. The Hanze University of Applied Sciences and the University of Groningen combine existing and new education and research in the field of energy and energy transition in the Energy Academy Europe, an innovative institute in this challenging area.

Hanze UAS is one of the few universities of applied sciences where students from different disciplines can specialize in energy. Hanze UAS leads in applied research in the field of new energy. Students (PhD and Master), researchers and companies work together on energy innovations at its Energy Transition Centre (EnTranCe), our energy testing ground in the north of the Netherlands.

Want to know more?
hanze.nl/energy
energyacademy.org
en-tran-ce.org

Hanze UAS is the largest university of applied sciences in the North Netherlands. We focus on the strategic themes of Energy and Healthy Ageing.

Facts

- Students (2013): 26.233
- Energy students (2013-2014): 250
- Energy startups: 15

Professorships in Energy

- Energy Transition
- Sustainable Energy
- Energy Applications
- Communication & the Sustainable Society
- Energy & Management
- Energy & Law
- Life Sciences
- Net Integration
- New Business & Development

EnTranCe
ENERGY TRANSITION CENTRE

EnTranCe is part of the
Energy Academy Europe

share your talent. move the world.

Energy Transition: The Young People's Revolution

organised in cooperation with Hanze University of Applied Sciences

Wednesday 19 November 2014, 12:45 - 14:30

Members' Salon, European Parliament, Brussels

During the K4I lunch debate Hanze UAS PhD level researchers of different nationalities will present their ideas about their EU in 2050 in terms of intrinsic qualities. They will discuss how the EU should look in 2050, taking their PhD content into account and will share their views on actions that we should undertake today as a priority. They will also examine to what extent these priorities are in balance with today's practice. This Younger's Revolution is the core of this lunch debate.

Claim

Energy has been a global key issue for years. Growing energy demand from developing countries like China, India and Brazil makes the world thirsty for fossil fuels. The increase of Co2 concentration is a serious concern regarding climate change. To cope with these challenges we need a Revolution in Energy Transition.

Energy Transition towards renewable energy sources like sun, wind and water leads to a sustainable society. For the time being, the coupling with cleaner fossil fuels as a backup and efficient use of energy will be crucial. The EU energy policy is founded on this notion and provides an important stimulus for this transition process.

Energy transition should be an open innovation process. Hanze University of Applied Sciences together with private companies have developed the open innovation living lab EnTranCe (Energy TRANSition Centre) in order to bridge knowledge and innovation and to boost this process. EnTranCe is part of the Energy Academy Europe. EnTranCe leads to new kinds of entrepreneurship where young talents are stimulated to make the difference. Local touch, global reach.

Hanze UAS also empowers consumers to meet their energy needs in an increasingly sustainable and socially acceptable manner. Through EnTranCe the university is able to provide opportunities based on knowledge for new economic activities. Within EnTranCe students, institutes and private companies collaborate to accelerate innovation achievements.

Host



Lambert van Nistelrooij
MEP, Chair of the K4I Forum
Governing Board

Moderator



Charles van Santvoord
Marketing & Communications Manager

Speakers



Wim van Gemert
Professor Energy Innovation,
Hanze University of Applied Sciences



Juliana Montoya Cardona
PhD student, Hanze University of
Applied Sciences



Marcel van der Werf
PhD student, Hanze University of
Applied Sciences



Andras Perl
PhD student, Hanze University of
Applied Sciences



Frank Pierie
PhD student Flexigas, Hanze University
of Applied Sciences



Austin d'Souza
PhD student EdGar, Hanze University
of Applied Sciences



Sybren Jansma
Bachelor student Human Technolgy,
Hanze University of Applied Sciences

The Innovative SME Policy in Lower Austria

organised in cooperation with the Region of Lower Austria

Wednesday 19 November 2014, 12:30 - 14:30
Members' Salon, European Parliament, Brussels

According to the Entrepreneurship 2020 Action Plan published by the European Commission there is a high need for entrepreneurial supporting activities in order to stimulate and support the entrepreneurial spirit in Europe. Entrepreneurship is a powerful driver of economic growth and job creation.

The government of Lower Austria recognized the importance of entrepreneurs and the need to provide them with effective support services already more than 20 years ago. Hence even an agency specialized in the needs of start-ups and entrepreneurs was founded: RIZ, the start-up agency of Lower Austria. The agency aims at activating the potential of new businesses in Lower Austria as well as ensuring the success of start-ups in the long run. By now this agency is a substantial part of the so-called "start-up pyramid of Lower Austria", through which support services for start-ups are offered on various levels in the region.

After an introduction and overview on the topic of Entrepreneurship and regional SME Policy from an EU perspective, the debate will focus on practical examples from Lower Austria to demonstrate, how this European vision can be implemented on a regional level. As a highlight of this event, the brand-new Lower Austrian Economic Strategy 2020 will be presented to the audience and will give an even better insight into the innovative SME policy in the region and its future orientation for the support of entrepreneurs.

Host



Heinz K. Becker
MEP

Moderator



Roland Adrowitzer
Coordinator of all correspondents, ORF

Speakers



Christian Weinberger
Senior Adviser, European Commission,
DG ENTR, Entrepreneurship & SME Policy



Ben Butters
Director EU Affairs, EUROCHAMBRES



Petra Bohuslav
Minister of economy, tourism, technology
and sports of Lower Austria



Petra Patzelt
CEO of RIZ – the startup agency of
Lower Austria



Gerd Prechtl
Lower Austrian Chamber of Commerce,
President of the Division "Information
and Consulting"

Professional Consulting & Personal Coaching

We provide, what Starts Ups
and Entrepreneurs need:

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- help in finding business locations
- networking with partner organizations
- free workshops for business relevant topics

RIZ *

The Startup Agency
of Lower Austria



EUREKA

Innovation across borders



EUREKA is an intergovernmental network, present in over 40 countries. It is committed to stimulating the competitiveness of European industry by promoting international, market-oriented research and innovation. The innovative technologies that EUREKA helps businesses to develop and to exploit are benefiting European competitiveness, growth and jobs.



Joint programming with the EU

The **Eurostars Programme** is the first joint EU-EUREKA funding and support programme to be specifically dedicated to research-performing SMEs. Eurostars is stimulating them to lead international collaborative research and innovation projects by easing access to support and funding.

> www.eurostars-eureka.eu



Strategically significant

EUREKA Clusters are strategic initiatives proposed and led by industry, developing innovative technologies of key importance for European competitiveness. They reflect synergies where European industry, research and collaboration interests, innovation capacity and national funding opportunities meet.

EUREKA Umbrellas are thematic networks whose goal is to generate and support individual projects in a specific technological area.

“ A leading European platform for transnational industrial R&D&I cooperation, fostering competitiveness, growth and job creation. ”

EUREKA's main objectives are to contribute to:

- ✓ Improve Europe's innovation capacity in a global context by linking raw technological knowledge and the market.
- ✓ Making innovation policy simpler and access to public funding less complicated.
- ✓ Optimise EU and national resources for innovation through joint programmes such as Eurostars.
- ✓ Make sure that a growing share of the 89% of public funds available to innovators at national level is used for transnational, European research projects.



Since 1985

- 5000+ projects
- 35+ BILLION € public-private funding
- 3 average number of countries per project



www.eurekanetwork.org

Regions and Cities: Innovation Ecosystems and Smart Strategies

Wednesday 19 November 2014, 15:00 - 17:00
PHS 3C050, European Parliament, Brussels

To help Europe recover from the crisis in a sustainable way, we need actions and investments that help countries and regions unlock new growth potential. Now, European funding will be directed at innovation, productivity and competitiveness investments. Cohesion Policy has earmarked 110 billion euro for bottom up investments from universities, research institutes, industry, entrepreneurs and local authorities in building regional specific economic strength in the period 2014-2020. Smart specialisation strategies create economic transformation in Europe and thus provides jobs and economic growth. The creation of innovation ecosystems for entrepreneurship on a European, national and regional level - by ensuring that the right framework conditions are in place for them to be successful and sustainable in the long run - will contribute significantly to his goal.

So far we have a lack of international cooperation in the partnership agreements. EU member states are looking at their own sectors in which the smart specialisation strategy fits, but the goal of the European Parliament is to connect top players with upcoming regions in order for them to get on the 'stairway to excellence.' This will allow a critical mass of resources ensuring a meaningful impact and guaranteeing that investments are made in those areas that have a direct and immediate impact on growth and jobs in the entire European Union. In order to build critical mass it will be important that governments create the conditions for knowledge to be captured from partners outside regions and member states. European funds contribute directly to such collaborative projects which are led by indigenous companies and research centres.

Host



Lambert van Nistelrooij
MEP, Chair of the K4I Forum Governing Board

Moderator



Roland Adrowitzer
Coordinator of all ORF correspondents

Speakers



Corina Crețu
Commissioner for Regional Policy, European Commission



Christian Ehler
MEP, Member of the K4I Forum Governing Board



Xabier Goenaga
Head of the Knowledge for Growth Unit, Joint Research Centre, European Commission



Petra Bohuslav
Minister of economy, tourism, technology and sports of Lower Austria



Andreas Wild
Executive Director, ECSEL JU



Aled Thomas
Climate-KIC Regions Director



Muriel Attané
Secretary-General, EARTO



Juan Carlos Girauta Vidal
MEP



Technology Partners groups R&D and educational organisations from various fields of science and technology. It operates as a virtual institute and implements the Open Innovation concept.

Aeronautics and military aviation technology

adaptronics; unmanned aerial vehicles (UAVs); materials testing; aerodynamic, strength and non-destructive tests; structure design; space technologies; avionics; helicopters and rotary wing aircrafts; IT support systems; training systems and simulators; communication and data transmission systems

Electronics

electronic technologies, materials and equipment; printed circuit boards and surface assembly; ultrasound technology; technical process and measurement automation

Plastic forming, cutting and cutting technology

tool and machine component heat processing; protective, technical and decorative coating deposition; plastic surface forming, machining (and specialised software)

Applied optics and laser technology

optical microscopy; holography; optical data processing and image analysis; gradient and fibre optics; diffractive optical elements; measurement techniques with the use of optical methods

Environmental engineering and protection

waste management and clean technology; waste processing and recycling; environmental impact studies of machine tools, equipment and technical fluids

Materials and surface engineering

material, metal, new alloy and composite processing; tool materials and wear-resistant coatings; nanotechnology and new materials

Road, bridge and airport design and construction

new materials and advanced technologies; traffic safety; road network management systems; road and bridge condition diagnosis methods

Logistics and warehousing

logistics processes, cost analysis and standardization; intermodal transport and intelligent transport systems; supply chain management; tracking and tracing systems; optimization of distribution networks

Machine tool design and construction

specialised machine tools; noise and vibration level testing; certification of machine tools, technical equipment, abrasion tools, technical fluids and mechanised hand tools

Metals and plastics processing

non-ferrous metals processing; production of oxide and composite powder sintered fittings

Packaging, food and transportation industry

new (including biodegradable) materials and packages; packaging systems; environmental impact of packages and packaging materials



TECHNOLOGY PARTNERS:

> 1500 researchers > 900 R&D projects / year > Annual turnover app. EUR 100 million

Towards a better European Transport System

in cooperation with Technology Partners Foundation

Wednesday 19 November 2014, 17:00 - 19:00
PHS 3C050, European Parliament, Brussels

First class transport is fundamental for a healthy society and thriving economy. Much is being done to improve European transport, in individual sectors and locations. But, as the European Commission's Transport White Paper (March 2011) recognises, today's European transport system remains fragmented, inefficient and inadequate. We should strive to see transport in Europe as one system, optimising it as such, rather than as many fragments, individually good but poorly related. This will lead to better overall transport provision and better results for the resources invested. Current initiatives will achieve more and deliver better value than they can on their own. More innovation will be encouraged, as barriers to the introduction of new ideas are reduced. Many current initiatives are contributing to building this connected approach. However, Europe should move faster and more effectively towards a fully optimised transport system, in line with the Commission's strategic vision of a single European transport area. This will not be easy; it is likely to need innovative ideas and actions on many fronts, including organisational, cultural, societal and political. This session will discuss ways to meet this challenge.

Issues

- The role of mobility as a fundamental enabler of innovation
- Efforts in recent years to improve European transport
- The added value of the 'whole system' approach
- Barriers to achieving a fully optimised European transport system
- Ways to accelerate progress towards an optimised system

Questions

- How would a fully optimised transport system create extra economic and social value?
- In what ways do current activities fall short?
- What might be the root causes of these weaknesses?
- How can we identify and tackle these root causes?
- What are the next steps?

Co-hosts



Prof. Jerzy Buzek
Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament



Henna Virkkunen
MEP, Member of the K4I Forum Governing Board, Former Transport Minister of Finland

Speakers



Richard Granger (Moderator)
Technology Partners Foundation, President, European office



Magda Kopczynska
Director, Innovative and Sustainable Mobility, European Commission



Philippe Veyrunes
Strategy Director, Infrastructure, Alstom Transport (TBC)



Meng Lu
Alice, Program Manager, DINALOG



Tomasz Kosmider
President, Technology Partners Foundation



Prof. George Giannopoulos
President, ECTRI



Violeta Bulc
Commissioner for Transport, European Commission (Invited)



Keir Fitch
DG Move, Head of Unit, Research and Innovative Transport Systems, European Commission



Monica Dietl
Director, COST Association



Jean-Luc Di Paola-Galloni
Valeo, Vice-President, Sustainable Development and External Affairs



Steve Phillips
Secretary-General, Conference of European Directors of Roads (CEDR)

Agricultural Innovation in the EU : How can we unlock its full potential?

Wednesday 19 November 2014, 17:00 - 19:00
ASP 1G3, European Parliament, Brussels

Adopt an Innovation Principle in EU decision-making:

The EU should formally adopt an Innovation Principle in European risk management and regulatory practice. Whenever legislation is under consideration, its impact on innovation should also be taken fully into account in the policy-making and legislative process, as well as in the Commission Impact Assessment Guidelines. The Innovation Principle will contribute to a balanced European regulatory policy, allowing continued investment in European innovation – the foundation of job and wealth creation within Europe, and vital to tackling the ongoing financial crisis.

The EU must boost agricultural competitiveness and productivity in a sustainable way:

We should fulfil our responsibility to address the challenge of feeding a growing global population. The European Commission should establish a specific Unit on agricultural competitiveness and productivity to ensure that policy measures with an impact on European agriculture, such as legislation on agricultural inputs, are properly shaped to support productivity and resource-efficiency.

Finally, the European Innovation Partnership on Sustainable and Productive Agriculture should continue to be reinforced enabling all actors to provide a better innovation landscape for agriculture.

Issues

- A dopt an Innovation Principle in EU decision-making.
- Reinforce the protection of intellectual property rights.
- The EU must boost agricultural competitiveness and productivity in a sustainable way.
- The EU must use the tools provided by the Commission and the EU framework to drive Agricultural Innovation, such as EIPs under the CAP.

Questions

- How can we keep and increase innovation in Europe?
- How can we include innovation in our regulatory a pproach?
- How important is innovation to agriculture and food production?
- What tools do we have in Europe to improve this situation - EIPs?

Host



Jan Huitema
MEP

Moderator



Serge Michels
Président, Groupe Protéines

Speakers



Jean-Charles Bocquet
Director General, ECPA



Piet Van der Meer
CEO, Public Research and Regulation Initiative



Pekka Pesonen
Secretary-General, Copa-Cogeca



Iman Boot
Deputy Head of Unit, Research and Innovation, DG AGRI- Agriculture and Rural Development, European Commission,

TTIP: What's in for Innovation

Wednesday 19 November 2014, 18:30 - 20:00
PHS 5B001, European Parliament, Brussels

The Transatlantic Trade and Investment Partnership (TTIP) offers significant opportunities for innovation. Ultimately, TTIP could serve as an accelerator for innovation to the benefit of consumers on both sides of the Atlantic.

Agreeing on mutual standards or mutually recognising standards, lowering tariff barriers, facilitating data flows, increasing protection of intellectual property rights (IPR) worldwide are all elements of a TTIP that could contribute to increased innovation in the EU and the US.

Consumers could benefit from more choice and more innovative services and goods reaching their market at competitive prices. European and American SMEs, that are hitherto facing obstacles to export their products and services transatlantically, could be able to bring those faster and at a lower cost to their overseas markets.

Companies with vested interests in both the EU and the US could benefit from economies of scale and more rational supply chains, enabling them to direct resources in a productive manner to foster growth and jobs in the EU and the US.

Questions

- How will TTIP foster innovation transatlantically?
- Which elements of TTIP are quintessential to achieving this?
- How will consumers benefit from enhanced innovation in the EU and US?
- How will TTIP enable innovative SMEs to expand their businesses?

Host



Adina-Ioana Vălean
Vice president of the European Parliament, Member of the K4I Forum Governing Board

Moderator



Jeremy Fleming Jones
Senior Reporter, EurActiv.com

Speakers



Marietje Schaake
MEP, Member of the K4I Forum Governing Board



John Sammis
Deputy Chief of Mission, United States Mission to the European Union



Konstantinos Karachalios
Managing Director, IEEE-SA



Hendrik Bourgeois
GE - AmCham EU



Kostas Rossoglou
Senior Legal Officer Beuc



Maria Cristina Russo
Director for International Cooperation, DG Research and Innovation, European Commission (TBC)

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Summit Closing Ceremony

Wednesday 19 November 2014, 19:30 - 22:00

Members' Restaurant, European Parliament, Brussels

Co-hosts



Lambert van Nistelrooij

Chair of the K4I Forum Governing Board, MEP



Prof. Jerzy Buzek

Vice Chair of the K4I Forum Governing Board, MEP, ITRE Committee Chair, former President of the European Parliament

Speakers



Christophe Leclercq (Moderator)

Founder, EurActiv.com



Friedhelm Schmider

President, Knowledge4Innovation



Jean-Claude Juncker

President of the European Commission (TBC)



Martin Schulz

President of the European Parliament (TBC)



Gernot Klotz

Vice-President K4I, Executive Director Research and Innovation, CEFIC

Innovation, Evolution & Convergence:

Ensuring access to "next generation video"
anytime, anywhere & on any device

Thursday 20 November 2014, 09:30 - 13:30

ASP 3E2, European Parliament, Brussels

The movement towards a connected world will drive more traffic over both fixed and mobile networks - most of this traffic will be video content, in ever-increasing quality. No single technology can sustainably meet this demand - and trying to do so would have severe technical and economic consequences. This event will flag the issues the new European Commission needs to address to ensure that users all over Europe can access these services, affordably and no matter where they live.

An exhibition and live demo of Ultra HD TV will also run alongside this event, which is open to the 150 - 200 key policymakers, thought leaders and senior industry representatives expected to attend.

Host



Lambert van Nistelrooij
Chair of the K4I Forum Governing Board, MEP



Sabine Verheyen
MEP

Speakers



Roberto Viola
Deputy Director General, DG Connect, European Commission



Michel de Rosen
Chairman, ESOA



Freenasp Mobedjina
Vice President, Group Strategy and Business Development, TeliaSonera



Ingrid Deltre
Director General, EBU



Aarti Holla
Secretary General, ESOA



Paul Lee
Head of Research, Technology, Media and Telecommunications, Deloitte



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