

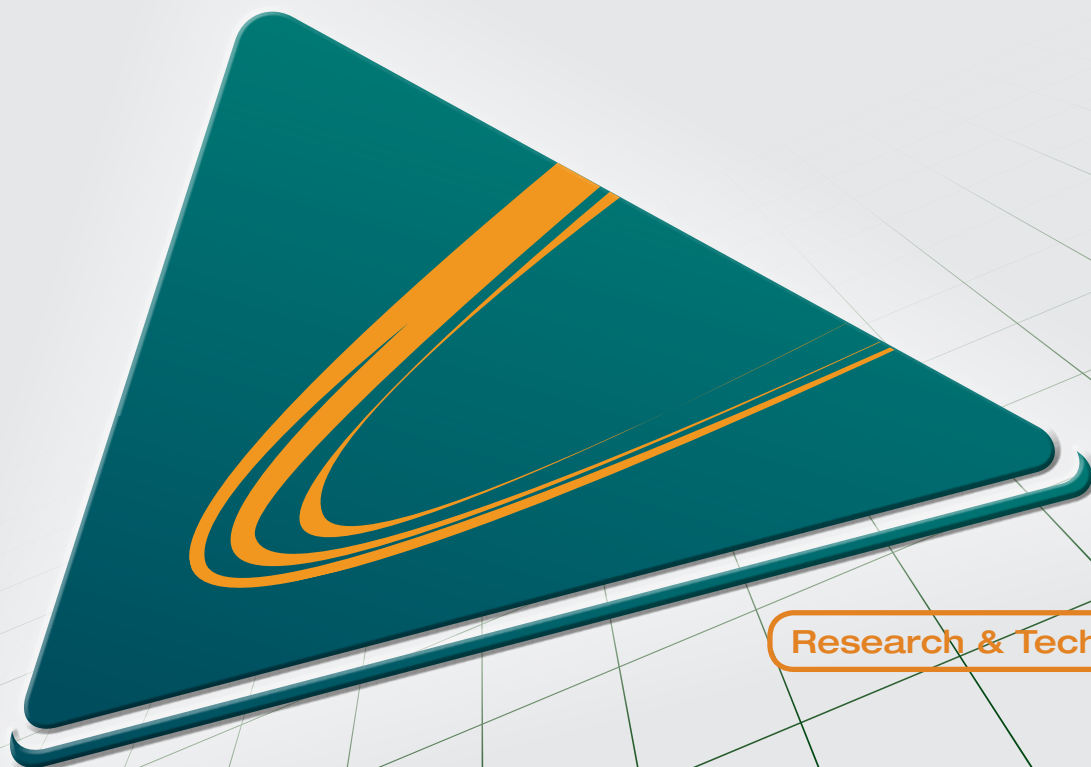
OECD HIGH LEVEL EVENT ON THE KNOWLEDGE TRIANGLE:

Enhancing the Contributions of Higher Education and Research Institutions to Innovation

Paris, 15-16 September 2016

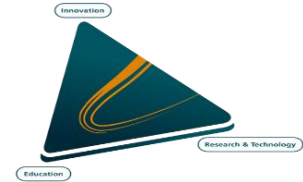
PROGRAMME

Innovation



Research & Technology

Education



OECD High-Level Event on the Knowledge Triangle: Enhancing the Contributions of Higher Education and Research Institutions to Innovation

Paris, 15-16 September 2016

Event goals

The knowledge triangle (KT) approach in policy calls for better integrating the education, research and innovation activities of higher education institutions (HEIs) and public research institutions (PRIs) in order to enhance their impacts on innovation, which together with productivity growth, is the main driver of economic growth.

The High-Level Event on the Knowledge Triangle offers an opportunity for senior government officials and a wide range of stakeholders to meet and share experience on how to better leverage and integrate the various missions of higher education and public research institutions, based on the initial findings of an ongoing OECD project on the knowledge triangle carried out by the OECD Working Party on Innovation and Technology Policy (TIP) and the Committee for Scientific and Technological Policy (CSTP) of the Directorate for Science, Technology and Innovation (DSTI), in collaboration with the OECD's Education and Skills Directorate. The project aims to provide practical insights on the role that education and research funding policies, governance structures, institutional leadership and stakeholder involvement can play in helping higher education and research institutions to improve their education, research and third-mission activities. It draws on both cross-country statistical analysis of the contribution of HEIs to innovation and the results of case studies of HEIs eco-systems. This High-Level Event is therefore designed to foster discussion about the role of different stakeholders, governments, academic faculties, rectors, researchers, business, civil society, but also the students and researchers who are at the centre of initiatives to foster interactions between education, research and innovation. The outcomes of the OECD High-Level Event will contribute to the development of policy recommendations for the final report of the project.

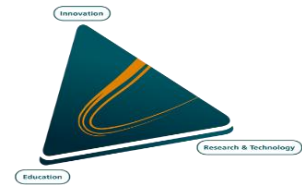
Event details:

15 September (09:00-18:00) - 16 September (09:00 - 13:00)

*OECD Headquarters, 2 rue André Pascal, 75016 Paris
Metro station : La Muette (line 9)*

Participants include representatives from:

- *Government ministries*
- *Research funding agencies*
- *Universities*
- *Public research organisations*
- *Regional development agencies*
- *Business*
- *Academic entrepreneurs*
- *Trade unions and the third sector*



DAY 1 – THURSDAY, 15 SEPTEMBER 2016

09:00 Registration and Morning Refreshments

09:30 Welcome and Opening Remarks

Dirk Pilat, Deputy Director for Science, Technology and Innovation (DSTI), OECD

Deborah Roseveare, Head of Skills Beyond School Division, Education and Skills Directorate, OECD

09:45 High-Level Opening Panel

In this panel, senior policy makers will give their perspective on the importance of the knowledge triangle as a policy framework for improving the contribution of HEIs and PRIs to innovation.

Moderator: **Dominique Guellec**, Head of the Science and Technology Policy Division, DSTI, OECD

Panellists:

Bjørn Haugstad, State Secretary for Education and Research, Norway

Carmen Vela Olmo, State Secretary for Research and Innovation, Spain

Veniamin Kaganov, Deputy Minister of Education and Science of the Russian Federation

Geoff Mulgan, Chief Executive, NESTA, United Kingdom (*via webex*)

11:15 Session 1: National Policies to Promote the Knowledge Triangle in HEIs and PROs

In this session, panellists will share their experience on particular national policies to incentivise knowledge triangle interactions, and discuss some of the obstacles and potential trade-offs as well.

Moderator: **Shane Samuelson**, Senior Analyst, Directorate for Education and Skills, OECD

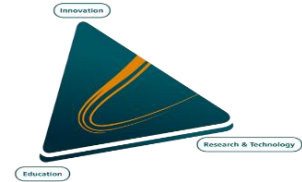
Panellists:

Yuko Harayama, Executive Member of the Council for Science and Technology Policy, Cabinet Office of Japan (*via webex*)

Zakri A. Hamid, Science Advisor to Prime Minister of Malaysia and Chair of National Professors Council and Professor

Frédéric Forest, Deputy Director for Higher Education, Ministry of Education, Higher Education and Research, France

Panagiota Dionysopoulou, Director General for Higher Education of the Ministry of Education, Research and Religious Affairs, Greece



Discussion themes:

- Making HEIs and PRIs more responsive to changes in society and the economy
- Legal and regulatory incentives for KT activities
- Competitive funding for education and research
- University performance contracts

12:30 Networking Lunch

14:00 Session 2: Place-Based Innovation Policies and the Knowledge Triangle

In a place-based context, governments must invest in the knowledge base of HEIs but they must also encourage co-operation between HEIs and the local eco-system in order to encourage firm competitiveness and structural change through new firm growth. However, in many countries, higher education and research policy lacks an explicit territorial dimension. In this session, panellists will discuss how to link policies for education and research with place-based innovation policies, taking into account the diversity of regions, their levels of economic development, and industrial specialisation.

Moderator: **Fernando Merida Martin**, Head of Co-ordination, Ministry of Economy and Competitiveness, Spain

Panellists:

Kristel Baele, President of the Executive Board of the Erasmus University Rotterdam, Netherlands

John Goddard, Professor Emeritus of Regional Development Studies, Newcastle University, United Kingdom

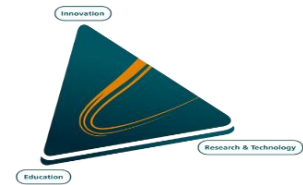
Henning Kroll, Fraunhofer Institute for Systems and Innovation Research, Karlsruhe, Germany

Armin Mahr, Senior Policy Advisor, Federal Ministry of Science, Research and Economy, Austria

Discussion themes:

- Regional eco-systems of innovation and HEIs
- Smart specialisation strategies and priority setting
- Tools for cross-regional and international co-operation of HEIs in KT activities

16:00 Coffee Break



16:30 **Session 3: Entrepreneurship and Collaboration Tools for Knowledge Triangle Activities in HEIs and PRIs**

Entrepreneurship policies are increasingly focusing on HEIs and PRIs. These institutions are being encouraged not only to educate and train entrepreneurs but also to locate entrepreneurial activities on campus. In this session, panellists will discuss some of the factors that enable institutions to break down path dependencies and become more entrepreneurial. In particular, it will identify the levers that governments and institutions have at their disposal to promote entrepreneurial activities and collaboration in HEIs and take advantage of new collaboration tools offered by digitalisation, including online education, open science and open innovation platforms.

Moderator: **Mario Cervantes**, Senior Economist and Head of the TIP Secretariat, Science and Technology Policy Division, DSTI, OECD

Panellists:

Linnar Viik, Entrepreneur and co-founder of Skype, Estonia & Silicon Valley

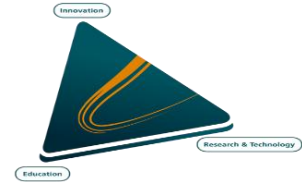
Petri Räsänen, Director for Innovation in the Tampere Region Council, Finland

Discussion themes:

- Platforms for linking education to innovation
- Open science/open innovation
- Student and academic entrepreneurship
- Knowledge and technology transfer

18:00 **Reception Hosted by the OECD**

HEI Innovate Presentation: A Self-Assessment Tool for Higher Education Institutions (HEIs): A presentation by Jonathan Potter, Senior Economist, OECD Centre for Entrepreneurship, SMEs and Local Development, and Maciej Markowski, International Policy Advisor, Polish Accreditation Committee.



DAY 2 – FRIDAY, 16 SEPTEMBER 2016

09:00 **High-Level Keynote Speech by:**

Manuel Heitor, Minister for Science, Technology and Higher Education, Portugal

09:15 **Session 4: Governance and Institutional Leadership**

The central issue in the governance of the knowledge triangle is to understand where the responsibility for the knowledge triangle framework lies, and which governmental and institutional actions and policies must be put into place so that the HEIs can link their different functions whilst reducing the trade-offs in promoting one function over another. This session will seek to identify good practices for governance based on the success or failures of the institutions and governments that have adopted the KT approach.

Moderator: **Kadri Ukrainski**, Professor of Research and Innovation Policy, Head of the Chair of Public Economics and Policy, Tartu University, Estonia

Panellists:

Dag Rune Olsen, Rector Professor, University of Bergen, Norway

Mu Rongping, Professor, Institute for Policy and Management, Chinese Academy of Sciences, People's Republic of China

Barbara Sporn, Professor, WU Vienna University of Economics and Business, Austria

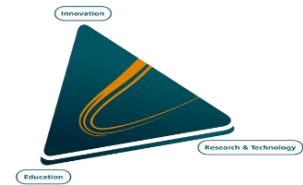
Joachim U. Knebel, Head of Division, Karlsruhe Institute of Technology, Germany

Erik Stam, Chair of Strategy, Organization and Entrepreneurship, Utrecht University School of Economics (U.S.E.) & Utrecht Centre for Entrepreneurship, Netherlands

Discussion themes:

- Transforming HEIs' missions from the inside: strategy and goal setting
- New governance models for universities and PRIs
- Civil society involvement in the strategies of universities and PRIs
- Relations between HEIs and PRI
- Emerging country perspectives

10:30 **Coffee Break**



11:00 **Session 5: Enhancing the Impacts of KT Activities on the Economy and Society**

The goal of knowledge triangle targeted policies is to generate qualitative and quantitative impacts from interactions that are greater than the sum of the individual outputs of HEIs (e.g. scientific articles, graduate students or academic patents, local employment effects). This session will discuss progress in measuring the outputs and impacts of KT activities of higher education and research institutions as well as how to ensure that evaluations feedback into the design of education, research and innovation policies and institutional practices.

Moderator: **Caroline Paunov**, Senior Economist, Science and Technology Policy Division, DSTI, OECD

Panellists:

Laurent Buisson, Vice-President for Development and Economic Partnerships, Université Pierre et Marie Curie, France

Federica Rossi, Senior Lecturer at Birkbeck University, London, United Kingdom

Yasemin Aslan, Director of the STI Policy Department, TUBITAK, Turkey

Elisabeth Ling, Senior Vice-President, Web Analytics, ELSEVIER, RELX group

Claudia Sarrico, Policy Analyst, Education and Skills Directorate, OECD

Discussion themes:

- New insights in measuring knowledge triangle interactions at the local and global levels
- Tools for policy evaluation and impact assessment
- Incentivising KT measurement and feed-back into policy making

12:30 **Concluding Remarks**

Alf Rasmussen, Secretary-General, Norwegian Association of Higher Education Institutions

Armin Mahr, Senior Policy Advisor, Federal Ministry of Science, Research and Economy, Austria

Dominique Guellec, Head of the Science and Technology Policy Division, DSTI, OECD

13:00 **Close of the Meeting**