



**SCIENCE, RESEARCH AND
INNOVATION PERFORMANCE
OF THE EU
2020**



**On-line Launch event
Report "Science, Research and Innovation Performance of the EU 2020"**

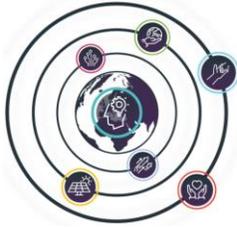
27 May 2020, 14h30
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**Science, research
and innovation
performance
of the EU
2020**

**A fair, green and digital
Europe**

European Commission

Research and Innovation



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**Virtual launch event
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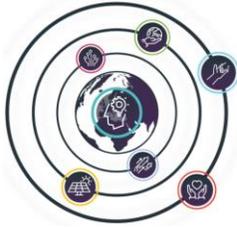
The "**Science, Research and Innovation performance of the EU, 2020**" (**SRIP**) presents an overview of trends in Europe's research and innovation (R&I) performance and its underlying drivers in a global context. It is an evidence-based report for policy purpose that combines indicator-based economic analysis with analytical research on important policy topics.

The SRIP 2020 report provides pointers for policy makers on how policy, in particular R&I policy, will need to adapt to support a smooth transition to a new paradigm that maximises opportunities and mitigates risks, to achieve an ample concept of sustainability (environmental, social and economic), while ensuring that R&I continues to drive productivity and competitiveness.

This is a flagship biennial publication by the European Commission's Directorate-General for Research & Innovation that draws on a long tradition of indicators and economic analyses. It is the third edition in this report series.

AGENDA

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|-------|--|
| 14h30 | Welcome by Mariya Gabriel , European Commissioner for Innovation, Research, Culture, Education and Youth |
| 14h45 | Key findings of the Report by Julien Guerrier , Director "Policy & Programming Centre", Directorate-General for Research & Innovation, European Commission |
| 15h00 | Panel discussion: <u>Research and innovation dynamics in the post Covid-19 world</u>
Chair: Mikel Landabaso , Director "Growth and Innovation", Joint Research Centre, European Commission
With: Frank Geels , University of Manchester
Chiara Criscuolo , OECD
Bruno Lanvin , INSEAD/ICANN
Andrés Rodríguez-Pose , LSE |
| 16h00 | Break |



**SCIENCE, RESEARCH AND
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- 16h15 Panel discussion: **Transforming R&I policy to deliver on the twin transitions**
- Chair: **Anna Panagopoulou**, Director "Research & Innovation Outreach", Director-General for Research & Innovation, European Commission
- With: **William Maloney**, World Bank
Debra Revoltella, European Investment Bank
Ward Ziarko, Federal Government of Belgium (BELSPO)
Irene Mia, The Economist Group
Pawel Swieboda, I.D.E.A , European Commission
- 17h15 Closing by **Jean-Eric Paquet**, Director-General for Research & Innovation, European Commission
- 17h30 End of online the event

Speakers' short biographies

Panel discussion: **Research and innovation dynamics in the post Covid-19 world**



Frank Geels is a professor of System Innovation and Sustainability at the Alliance Manchester Business School of University of Manchester.

Professor Geels is one of the world-leading scholars on socio-technical transitions, which refer to large-scale, long-term changes in (energy, food and transport) systems. Geels aims to understand how transition processes arise from interactions between firms, consumers, policymakers, researchers, wider publics and social movements. Geels has published six books and more than 80 peer-reviewed articles, many of which are highly cited leading to his inclusion in the Highly Cited Researcher list (2014, 2019). His work has been influential in

placing sustainability transitions as a new topic on the agenda of innovation studies.

Professor Geels has advised stakeholders and policymakers (OECD, European Commission, WWF, DECC, VINNOVA) on sustainability transitions, a topic that is attracting increasing attention in the context of climate change and grand societal challenges. Professor Geels has extensive experience in research management and was involved in a prestigious ERC-funded project ('Destabilisation of sociotechnical regimes as the key to transitions towards sustainability', 2008-2012).



Chiara Criscuolo heads the Productivity, Innovation and Entrepreneurship Division in the Directorate for Science, Technology and Innovation (STI) at the Organisation for Economic Co-Operation and Development (OECD).

Her work spans the fields of entrepreneurship, enterprise dynamics, productivity and policy evaluation. Chiara has played a leading role in advancing the use of firm level data and of microdata projects within the OECD. She has designed and coordinated large cross-

country microdata projects on employment dynamics, productivity, as well as research and development (R&D). She co-manages the Global Forum on Productivity and has contributed to key horizontal and high level projects and publications. These include the OECD volumes "Future of Productivity", "New sources of growth: Knowledge Based capital", and the "OECD Innovation Strategy".

Her research on innovation, business dynamics, productivity, policy evaluation and international trade has been extensively published in leading academic journals including The American Economic Review, The Review of Economics and Statistics and the Journal of International Economics. She acts as reviewer for top-ranked academic journals. Her work has further featured in the Economist, Financial Times and VoxEU, among others. Chiara holds a doctoral degree in Economics from University College London and held academic appointments at the University of Siena, City University and University of Cambridge.

Speakers' short biographies



Bruno Lanvin is the President of the Smart City Observatory. He is also Executive Director of INSEAD's Global Indices, and founder and CEO of D&L Partners. He has exercised senior responsibilities at the World Bank and in the United Nations.

Since 2002 he has been co-authoring the *Global Information Technology Report* (INSEAD-World Economic Forum); he is currently the co-editor of the *Global Innovation Index Report* (INSEAD-WIPO-Cornell University); he was the founder of a significant number of other key global indices and reports, including the Global Talent Competitiveness Report (GTCL), the Smart City Index (SCI) and the PICS Index.

Dr Lanvin holds a BA in Mathematics and Physics from the University of Valenciennes (France), an MBA from Ecole des Hautes Etudes Commerciales (HEC) in Paris, and a PhD in Economics from the University of Paris I (La Sorbonne) in France. He is also an INSEAD alumnus (IDP-C). A frequent speaker at high-level meetings, he advises a number of global companies and governments around the world on technology, innovation, talent and AI matters, and has been a member of numerous boards, including those of IDA (Singapore), ICANN, GovTech (Singapore), the Mohammed Bin Rashid Center for Government Innovation (United Arab Emirates), IP-Watch, and the Association for Accountability and Internet Democracy (EAAID), inter alia.



Andrés Rodríguez-Pose is a Professor of Economic Geography at the London School of Economics, where he was Head of the [Department of Geography and Environment](#) between 2006 and 2009.

He has a long track record of research in regional growth and inequality, fiscal and political decentralization, institutions, regional innovation, migration, and development policies and strategies. His research is widely cited in academic circles and has also been frequently used by policy- and decision-makers. In his areas of expertise, he has regularly acted as advisor to several Directorates of the [European Commission](#), the [European Investment Bank](#), the [World Bank](#), and the [Inter-American Development Bank](#), among others.

He is a part-time Professor of Innovation at the [University of Stavanger](#) (Norway) and has also been visiting professor at a number of higher education institutions, including the College of Europe in Belgium, Cambridge, Hannover and the Autonomous University of Madrid. He was awarded the 2018 [ERSA Prize in Regional Science](#), arguably the highest prize in regional science, and has been a holder of a European Research Council (ERC) Advanced Grant and of a prestigious Royal Society-Wolfson Research Merit Award. In 2019 he received Doctorates Honoris Causa from [Utrecht University](#) (the Netherlands) and Jönköping University (Sweden).

Andres is author of wide range of books, such as [The dynamics of Regional Growth in Europe](#) (1998), [Innovation and regional growth in the European Union](#) (2011), or [Technology and Industrial Parks in Emerging Countries](#) (2014). Some of his books have been translated into Chinese, Italian, and Spanish. He has also published more than 180 papers in peer-reviewed

Speakers' short biographies

journals, is an editor of [Economic Geography](#), and sits on the editorial board of 33 other scholarly journals.

Panel discussion: **Transforming R&I policy to deliver on the twin transitions**



William F. Maloney is Chief Economist for Equitable Growth, Finance and Institutions in the World Bank Group. Previously he was Chief Economist for Trade and Competitiveness and Global Lead on Innovation and Productivity. Prior to the Bank, he was a Professor of Economics at the University of Illinois, Urbana-Champaign (1990-1997) and then joined, working as Lead Economist in the Office of the Chief Economist for Latin America until 2009. From 2009 to 2014, he was Lead Economist in the Development Economics Research Group. From 2011 to 2014 he was Visiting Professor at the University of

the Andes and worked closely with the Colombian government on innovation and firm upgrading issues.

Mr. Maloney received his PhD in economics from the University of California Berkeley (1990), his BA from Harvard University (1981), and he studied at the University of the Andes in Bogota, Colombia (1982-83).

He has published in academic journals on issues related to international trade and finance, developing country labor markets, and innovation and growth as well as several books including *Informality: Exit and Exclusion*; *Natural Resources: Neither Curse nor Destiny*; *Lessons from NAFTA*; and *Does What you Export Matter: In Search of Empirical Guidance for Industrial Policy*. Most recently, he published *The Innovation Paradox: Developing Country Capabilities and the Unrealized Potential of Technological Catch-Up* and *Productivity Revisited: Shifting Paradigms in Analysis and Policy* as part of the World Bank Productivity Project which he manages.



Debora Revoltella is the Director of the Economics Department of the European Investment Bank and has held this position since April 2011.

The Department provides impact-driven economic analysis to support operations, the global positioning as well as the policy and strategy definition of the bank. The Economic Department is also in charge of the EIB Report on Results – which assesses the development impact of projects financed by the EIB under various mandates.

Debora holds a degree in Economics and a Master in Economics from Bocconi University as well as a PhD in Economics from the University of Ancona in Italy. After the experience as an adjunct Professor in Macroeconomics at Bocconi University, Debora joined the research department of Banca Commerciale Italiana, a leading Italian Bank. In 2001, she joined UniCredit as the Chief Economist for Central and Eastern Europe. She managed a team of 40 economists in charge of supporting the institution in its

Speakers' short biographies

regional growth strategy. During these years, the department developed into a leading research centre for the region. Debora is member of the Steering Committees of the Vienna Initiative and the CompNet, an alternate member of the Board of the Joint Vienna Institute and a member of the Boards of the SUERF and the Euro 50 Group.



Ward Ziarko is Director of the Monitoring and evaluation department at the Belgian Science Policy Office (Belspo) and advises on STI-indicators and science policy issues.

Ward is a member of OECD committees (CSTP and NESTI). He has been a long time member of ERAC and the Eurostat working party on STI indicators. Ward did previously lead the ERAC ad-hoc working group on the European Semester and ERA monitoring and still participates in STI policy and indicator fora. He was involved in several STI country peer reviews (South-Africa, Spain, Poland).



Irene Mia is Global Editorial Director at the Economist Intelligence Unit's Thought Leadership division.

In her role, Irene also develops and oversees large global client relationships from an editorial perspective, delivering high quality content. She plays a key role in disseminating and presenting the Economist Group's views and work to clients and other high-level audiences around the world.

Before joining the Economist Group, she worked for the World Economic Forum, where she was also responsible for competitiveness research on Latin America and Iberia. Her main research interests are in the fields of development, international trade, economic integration, innovation, ICT, competitiveness, cities and Latin America. Irene holds an MA in Latin American Studies from the Institute for the Studies of the Americas, London University, and a PhD in International Economic and Trade Law from L. Bocconi.



Paweł Świeboda is the Deputy Head of the European Commission's in-house think tank I.D.E.A. (Inspire, Debate, Engage and Accelerate, formerly EPSC).

Until April 2020, Deputy Head and Head of Research of the European Political Strategy Centre and later IDEA at the European Commission, the advisory hub to the President of the European Commission. Previously engaged in think tank leadership for 9 years, both in his native Poland and internationally. In the first ten years of his career, important positions in the Polish government, including as head of department responsible for EU accession negotiations. Active member of the European

Speakers' short biographies

and international research community. Prolific contributor to the public debate on the future of Europe, emerging technologies, democracy and global governance.

A graduate of the London School of Economics (BSs in Economics), and the University of London (MA in International Relations), he is a member of the Strategic Council of the European Policy Centre and a member of the European Council on Foreign Relations. In 2013/2014, he was Rapporteur of the Review of European Innovation Partnerships.

European Commission representatives



Mariya Gabriel is the European Commissioner for Innovation, Research, Culture, Education and Youth. She was the Vice-President of the EPP Group in the European Parliament from 2014-2017. Mariya Gabriel was a Member of the European Parliament, EPP/GERB (Citizens for European Development of Bulgaria) from 2009-2017. Since 2012, Marija Gabriel is the Vice-President of EPP Women. Prior to this she was the Parliamentary Secretary to MEPs from the GERB political party within the EPP Group in 2008-2009. Prior to her public offices, Marija Gabriel was a teaching and research assistant at the Institute of Political Studies in Bordeaux (France) from 2004 to 2008.

Her teaching assignment was related to the topics of the Decision Making process in the EU, Political Sociology and International Relations.



Jean-Eric Paquet has been working as the Director-General for Research and Innovation (DG RTD) since April 2018.

Mr Paquet started working with the European Commission in 1993 and since then has worked in various areas throughout the Commission.

From 2002 until 2004 he was the Deputy Head of Cabinet of former Commissioner for Research, Philippe Busquin. From 2007 until 2011 he worked as a Head of Unit within the Directorate-General for Mobility and Transport (DG MOVE) before becoming the Director of DG MOVE's TEN-T and Smart Transport directorate.

Mr Paquet joined The Directorate-General for Neighbourhood and *Enlargement* Negotiations (DG Enlargement) in 2013. He took over the Directorate in charge of relations with Albania, Bosnia & Herzegovina, Serbia, Kosovo and later added Montenegro and the FYROM to his portfolio.

Before starting his current position as Director-General, Mr Paquet served as one of the three Deputy Secretaries-General of the Juncker Commission and was responsible for Better Regulation and Policy Coordination.

Speakers' short biographies



Julien Guerrier is Director of the 'Policy and Programming Centre' at DG Research & Innovation of the European Commission.

Julien has over 25 years of experience in the European public sector. During his career, he dealt with corporate management, including MFF coordination at the Secretariat-General, policy conception in the fields of trade, industry, research and innovation, negotiation, including of international trade agreements and strategic planning activities.

Prior to his appointment to the 'Policy and Programming Centre', Julien was Director of the EU Executive Agency for Small and Medium-sized Enterprises (EASME), and General Manager of the EU-Japan Centre for Industrial Cooperation in Tokyo. He is widely appreciated for a genuine enthusiasm to promote innovative thinking, a participatory culture investing in colleagues' growth and the development of synergies that deliver results. Julien graduated from Ecole Polytechnique in France and Ecole des Ponts et Chaussées.

Moderators



Mikel Landabaso is Director of Growth and Innovation at the Joint Research Center of the European Commission.

Mikel has a long career in the European Commission, focusing particularly on regional policy. In years 2014/2015, he was Head of Cabinet for the Commissioner for Regional Policy. Before joining Joint Research Center, Mikel was Director for Strategy and Corporate Communication in DG COMM. Mikel holds Master's degrees from College of Europe and University of Anglia and PhD in economics from Universidad del Pais Vasco.



Anna Panagopoulou joined the European Commission from the private sector in 1997. Between 1999 and 2009, she was policy officer in DG MOVE/ENER, where she worked on EU transport and energy infrastructure policy, research policy, and international cooperation. She then joined the Innovation and Networks Executive Agency (INEA), initially as Head of Unit and, from 2014, as Head of Department for Programme Support and Resources. Since July 2016, she has been the Director of the Common Implementation Centre in DG Research and Innovation. The directorate designs the strategy and provides the framework for coherent and simplified implementation of the EU R&I programmes. It provides comprehensive services and advice on legal, audit, business process

and IT issues. As the one-stop-shop for data, reporting, and monitoring of the framework programmes, it provides knowledge to support policy-making and to stimulate the exploitation of results. Recently she also undertook the responsibility of acting Director of DG R&I Directorate G "Research and Innovation Outreach". Directorate G reinforces at crosscutting level the engagement with citizens & society, with academic and research organisations and with

Speakers' short biographies

research and industrial infrastructures. It helps to ensure that researchers, knowledge and technology circulate freely within a revitalised and reinforced European Research Area (ERA), which generates investment, national reforms and EU policies to create critical mass within a coherent R&I policy framework.