

Programme

Impact of Science

*An international Conference on Policies and Strategies for Optimising
and Assessing Impact of Science on Economy and Society*

4-6 November 2020

AGH UST, Krakow, Poland

AESIS

NETWORK FOR
ADVANCING & EVALUATING THE SOCIETAL IMPACT OF SCIENCE



Ministry of Science
and Higher Education

Republic of Poland



Partners:



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VERTIGO
VENTURES

- IMPACT OF SCIENCE -

Science funders and research programme designers are constantly challenged to maintain an effective and efficient science funding system, while justifying the investments in scientific research towards politics. The pressure increases on governmental and non-governmental science funding organisations to demonstrate the economical and societal returns on their investments in science.

All around the world, experts are improving the process of measuring and communicating the impact of science on society. For example, Poland is introducing a new Model of Research Quality Assessment covering i.a. economic and societal impact of research and development works, which is a crucial aspect of comprehensive reform of the science and higher education system introduced by the Law on Higher Education and Science.

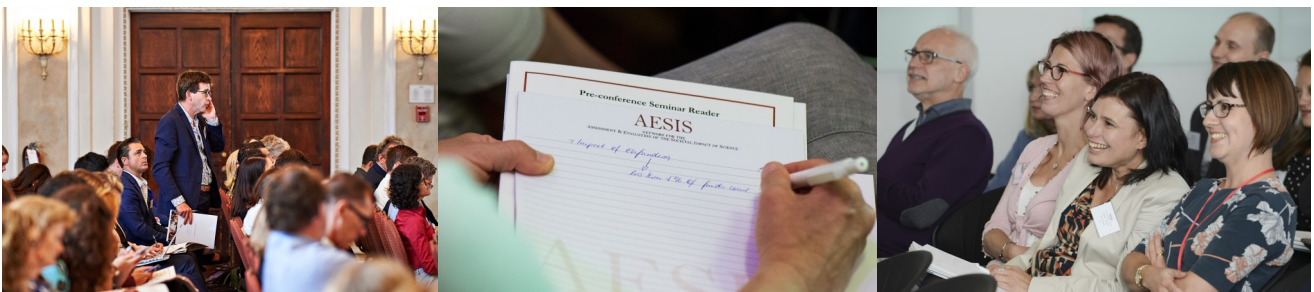
Research with societal impact involves different stakeholders from researchers, policymakers, research councils, local municipalities and beyond, and therefore also different causal logics, different expectations for impact and different timelines for social impacts to occur, as well as different scale effects. There is a need for societal impact measurement and advancement, therefore we need to co-develop effective systems to adapt existing national or regional frameworks and guide coordinated actions involving academic and non-academic actors in government, industry and society as a whole.

The AESIS Network has successfully organised the annual conference **'Impact of Science'** seven times, bringing together experts such as R&D evaluators, university managers, research councils, policy makers, funders, and other stakeholders of impact. The goal is sharing, evaluating, and discussing best practices around the world on:

- Policy strategies for societal impact
- Creating (long-term) alliances between stakeholders
- Regional, national, and international instruments for evaluating and achieving impact
- Current issues on i.e. public engagement, evidence-informed policy, interdisciplinary approaches, and harmonising definitions and assumptions.

In its approaches the **AESIS Network** is convinced that societal impact:

- can only be robust based on a well-balanced insight on how the impact of science on society can be measured;
- should investigate the impact of the humanities, the social sciences, and the hard sciences in one comparable approach for accountability, leaving ample institutional flexibility;
- will be optimised by aligning perspectives from all stakeholders of impact, including (but not limited to): research management, funders, scientometricians & societal partners.



- IMPACT OF SCIENCE -

Programme Advisory Committee

Bartłomiej Banaszak	Director of the Department of Science, Ministry of Science and Higher Education,
Przemysław Olszewski	Director of the Rector's Office, AGH University of Science and Technology
Ingrid van de Stadt	Regional Marketing Director EMEA, Elsevier
Vilius Stanciauskas	Chief Executive Officer at Technote
Jakob Edler	Executive Director of the Fraunhofer Institute for Systems and Innovation Research
Laura Tucker	Chief Executive Officer at Vertigo Ventures

AESIS Advisory Board

Koenraad Debackere	General Manager at K.U. Leuven, Belgium
Beverley Damonse	Executive of Science Engagement and Corporate Relations, National Research Foundation (NRF), South Africa
Luke Georghiou	Vice-President for Research and Innovation and Professor of Science and Technology Policy at the University of Manchester, United Kingdom
Barend van der Meulen	Professor Institutional Aspects of (Higher) Education, Director CHEPS, Twente University, the Netherlands
Andrew Plume	Senior Director of Research Evaluation at Elsevier, United Kingdom
Susan Renoe	Assistant Vice Chancellor, University of Missouri & Executive Director of the NSF Center for Advancing Research Impact in Society
Toby Smith	Vice President of Policy at the American Association of Universities, USA
David Sweeney	Executive Chair, Research England, United Kingdom
Paul Wouters	Dean of Social Sciences & former Director of CWTS, Leiden University, The Netherlands



Wednesday 4 November 2020

Times in CET (GMT +1)

08.30-09.00 Registration & Informal Coffee-chat

09.00-09.35 Words of welcome by:

- 09.00 Jerzy Lis** Rector, AGH - University of Science and Technology, Krakow, Poland
- 09.10 Przemysław Czarnek** Minister of Science and Education, Poland
- 09.20 David Sweeney** Executive Chair, Research England, UK
Chair of the Conference

9.35-11.00 I Plenary opening: Policies for Impact

- 09.35 Sarah Howard** Branch manager Research Excellence of the Australian Research Council
The Australian Engagement and Impact Assessment and its potential for future research evaluation
- 09.50 Błażej Skoczeń** Chairman of the Committee for Science Evaluation, Poland
New solutions in the Polish research assessment exercise
- 10.05 Molapo Qhobela** CEO of the National Research Foundation, South Africa
How to catalyse knowledge production for societal benefit, the NRF approach
- 10.20 Marion Boland** Head of Research Policy at Science Foundation Ireland, Republic of Ireland
From Impact to DORA; a Funder's journey
- 10.35 Panel & Q&A**

11.00-11.30 Break

11.30-12.45 II Parallel sessions: Assessment & Demonstration of Societal Impact

Social Sciences & Humanities (Roundtable)

Where can demonstrating and stimulating impact have one general approach for all disciplines, and when does it need to be diversified

David Phipps

Director of Research Impact
Canada, Canada

Anika Duut van Goor

Director of the AESIS Network

Big Data Analysis & Impact (Roundtable)

How to create insights on research quality and societal impact through big data analysis

Maria de Kleijn

Senior Principal at Kearney, the
Netherlands

Kim Holmberg

Senior researcher at the university
of Turku, Finland

Approaches for Life Sciences and STEM

Diversification of assessment for Life Sciences and STEM in comparison to each other or other disciplines

Diana Hicks (*chair*)

Professor in the School of Public
Policy, Georgia Institute of
Technology

Janusz Bujnicki

Head of Council at the University
of Warsaw, Poland

Ingeborg Meijer

Senior researcher in research
policy and evaluation, Centre for
Science and Technology Studies,
the Netherlands

Assessment Approaches for SSH

Diversification of assessment for SSH in comparison to other disciplines

David Budtz Pedersen (*Chair*)

Director of the Humanomics
Research Centre, Denmark

Claire Donovan

Professor of Higher Education at
the University of Greenwich, UK

Emanuel Kulczycki

Member of the Committee for
Science Evaluation, Poland

More sessions on the next page

*To be confirmed

Wednesday 4 November 2020 (continued)

Times in CET (GMT +1)

11.30-12.45 II Parallel sessions: Assessment & Demonstration of Societal Impact (continued)

Data Analysis and CRIS

What are the latest developments in measuring to create more structured insight in impact-performance?

Andrew Plume (*Chair*)

Senior Director of Research Evaluation at Elsevier, UK

Simon Kerridge

Director of Research Services, Kent University, UK

Vilius Stanciauskas

Director of Technote and founder of the Data4Impact project, Lithuania

Institutional Impact Profile

Effectively evaluating impact to gain more insight in impact performance and build strategy around strengths

Steven Hill (*Chair*)

Director of Research, Research England, UK

Julie Bayley

Director of Research Impact Development, University of Lincoln, UK

Barend van der Meulen

Director CHEPS, Twente University, former Head of research at the Rathenau Instituut, the Netherlands

Policies for Impact Evaluation

Policies for impact evaluation (€ funding) on a national level

Kim Huijpen (*Chair*)

Policy adviser at the VSNU, the Netherlands

Jinwon Kang

Policy officer, Korea-EU Research Center & Korea Institute of S&T Evaluation and Planning

Martin Szomszor

Director at the Institute for Scientific Information, UK

*You may freely choose to join any of the **Parallel Sessions in RED**, which will contain 3 to 4 presentations and an interactive discussion or Q&A*

*Please note that the **Roundtable sessions in PURPLE** accept only 20 participants (pre-registration is advised)*

12.45-14.00 Social programme & networking (no need to choose, you can visit both options at any time)

Experience Krakow as if you are there!

Join the virtual tour of the highlights of this beautiful city that is hosting this conference, such as Wawel castle, the main Market Square and the Kazimierz district, to name a few...

Talk to other people at the conference in one of our Lounges

Whether you want to continue discussing the presentations of today or just discuss everyday life, there are enough rooms to informally chat



*To be confirmed

Thursday 5 November 2020

Times in CET (GMT +1)

08.30-09.00 Registration & Informal Coffee-chat

09.00-09.20 Word of welcome by:

09.00 Jarosław Gowin Deputy Prime Minister, Ministry of Development, Labour & Technology, Poland

09.20-10.40 III Plenary opening: Structural Collaboration for Impact - Businesses and Industries

09.20 Tadeusz Uhl Professor at AGH UST Faculty of Mechanical Engineering and Robotics, Krakow, Poland

The role of universities in fostering knowledge and technologies for economic growth and development

09.35 Hamish McAlpine Head of Data and Evidence Knowledge Exchange Team, Research England, UK

The current role of Knowledge Exchange Framework (KEF) and the potentials for the future

09.50 Małgorzata Drewnicka CEO at the Malopolska Regional Development Agency, Poland

Industry and science collaboration - barriers and opportunities from a business perspective

10.05 Max Dumoulin Vice President Institutional Offerings, Elsevier, the Netherlands

The Impact of Open Science: Collaborators between institutions, funders and researchers to make research count

10.20 Panel and Q&A

10.40-11.00 Break

11.00-12.15 IV Parallel sessions: Strategies and Policies Serving Impact

**Interdisciplinary approaches
(Roundtable)**

How can interdisciplinary approaches stimulate impact of research, and how can we institutionalise this approach?

Claire Donovan

Professor of Higher Education at the University of Greenwich, UK

Antonia Caro González

Head of International Research Project Office at the University of Deusto, Spain

Fundamental vs Mission-driven Science (Roundtable)

How to position curiosity-driven and mission-driven research in the societal impact landscape

Jakob Edler

Executive Director of the Fraunhofer Institute for Systems and Innovation Research, Germany

Philippe Larrue

Policy analyst at the Directorate for Science, Technology and Industry, OECD

Entrepreneurship

How to best utilise academic knowledge into practical applications for society through entrepreneurship

Natacha Wilson (Chair)

Founder Cambridge Insights, UK

Carl Johan Sundberg

Professor Coordinator Science & Society, President Office Karolinska Institutet, Sweden

Albert Ko

Director of Lingnan Entrepreneurship Initiative, Hong Kong

Role of Industry

Building (long-term) academic industry relationships and determine their roles to optimise societal impact?

Henric Rhedin (Chair)

Business Developer Sahlgrenska School of Innovation and Entrepreneurship, Gothenburg University, Sweden

Victoria Galán-Muros

Director of policy affairs, University-Industry Innovation Network, France

Oliver Cox

Heritage Engagement Fellow and Co-Lead, Oxford University Heritage Network, UK

More sessions on the next page

*To be confirmed

Thursday 5 November 2020 (continued)

Times in CET (GMT +1)

11.00-12.15 IV Parallel sessions: Strategies and Policies Serving Impact (continued)

Grand Challenges

Integrating Grand Challenges in an institutional research strategy

Beverley Damonse (*Chair*)
Executive of Science Engagement and Corporate Relations, NRF, South Africa

Joji Carino
Senior Policy Advisor at Forest Peoples Programme

Derk Loorbach
Professor of Socio-economic Transitions, Erasmus University Rotterdam, Netherlands

Funding Agencies

How can public and private funders foster an ecosystem that enables impact?

Joanna Makocka (*Chair*)
Head of Programme Section, International Cooperation Department, National Centre for Research & Development, Poland

Sven Stafström
Director General of the Swedish Research Council, Sweden

Stig Slipersæter
Special Advisor at the Research Council of Norway, Norway

Science Policy Interface

How to organise evidence informed policymaking internally and externally

Jarosław Górniak (*Chair*)
Founder of the Centre for Evaluation and Analyses of Public Policies, Poland

Justyna Bandola-Gill
Co-author of the book 'The Impact Agenda', University of Edinburgh, UK

Christine Weidenslaufer
Lawyer at the Library of National Congress in Santiago, Chile

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12.15-12.45 Break

12.45-13.45 V Interactive debate: Implementing Impact Policies

12.45 Closing panel with Chair:

David Sweeney Executive Chair Research England, UK

Panel members:

Zbigniew Marciniak Chairman of the General Council for Higher Education and Science, Poland

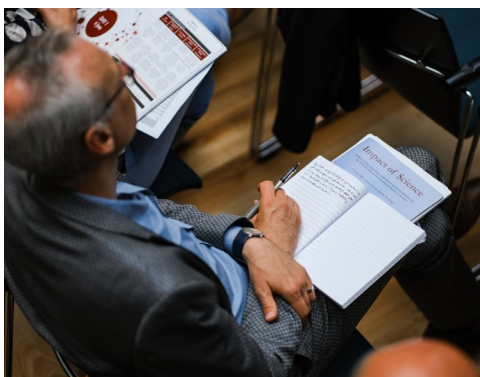
Beverley Damonse Executive of Science Engagement and Corporate Relations, National Research Foundation (NRF), South Africa

Toby Smith American Association of Universities, United States

At the start of the debate the audience can vote for questions/statements. These will (also) be debated.

13.40 Closing remarks by **David Sweeney**

13.45 End of the conference day



Friday 6 November 2020

Times in CET (GMT +1)

08.30-09.00 Registration & Informal Coffee-chat

09.00-09.15 Word of welcome by:

09.00 Conference chair David Sweeney opening

What did we achieve on the first days and how does it relate to the last day's programme

09.15 VI Plenary opening: Impact in different European Science Ecosystems

09.15 Przemysław Korytkowski Members of the Committee for Science Evaluation, Poland
& **Emanuel Kulczycki**

The Polish Research Evaluation Exercise in 2022: a pilot of the Societal Impact Assessment

09.40 Neven Jovanović Classical philologist at the University of Zagreb

The challenges for science in Croatia today

09.55 Jan Konvalinka Vice-Rector for Research at Charles University, Czech Republic

10.10 Riitta Maijala Vice President for Research at the Academy of Finland

Pitfalls and challenges in Finland's science ecosystem

10.25 Panel and Q&A

10.45-11.15 Break

11.15-12.30 VII Parallel sessions: Science and Society Interface

**Science during and after
Crisis Times (Roundtable)**

**Open Science
(Roundtable)**

**Mass Media &
Communication**

Regional & Municipal Level

What is the role of science during crisis times and what are the challenges that lay ahead?

How to operationalise Open science and the effects on societal impact of science

The opportunities and challenges of (social) media as a bridge between science and society

How to identify and optimise societal impact in regional innovation systems fostering competition and connectivity?

Toby Smith

American Association of Universities, United States

Max Dumoulin

Vice President Institutional Offerings, Elsevier, the Netherlands

Paul Manners (Chair)

Founding Director of the National Co-ordinating Centre for public engagement, UK

Caroline Nevejan (Chair)

Chief Science Officer, City of Amsterdam, the Netherlands

Marta Wróblewska

Senior Specialist at the National Centre for Research and Development, Poland

Sarah Coombs

Saxion University of Applied Sciences, the Netherlands

Ger Hanley

Founder Write Fund, Republic of Ireland

Sam Cole

Head of REF futures (Policy & Delivery) at Warwick University, UK

Simon Kerridge

Director of Research Services, Kent University, UK

Dariusz Aksamit

President of the Association of Science Advocates, Poland

Krzysztof Głuc

Director, School of Public Administration, Krakow University of Economics, Poland

More sessions on the next page

*To be confirmed

Friday 6 November 2020 (continued)

Times in CET (GMT +1)

11.15-12.30 VII Parallel sessions: Science and Society Interface (continued)

Research & Technology Organisations	Ranking Impact	Science Assessment for Stimulating Broader Impact	<p><i>You may freely choose to join any of the Parallel Sessions in RED, which will contain 3 to 4 presentations and an interactive discussion or Q&A</i></p> <p><i>Please note that the Roundtable sessions in PURPLE accept only 20 participants (pre-registration is advised)</i></p>
<p><i>Connecting people and knowledge by science-industry collaboration for the wellbeing of society</i></p> <p>Frans van Gernerden (<i>Chair</i>) Strategy manager, Netherlands Organisation for Applied Scientific Research (TNO)</p> <p>Thulani Dlamini CEO of Council for Scientific and Industrial Research (CSIR), South Africa</p> <p>Marcin Kraska Vice-President of the Łukasiewicz Research Network, Poland</p>	<p><i>Importance of data evaluation and ranking to determine next steps in enhancing impact</i></p> <p>Wilfred Mijnhardt (<i>Chair</i>) Policy Director, School of Management, Erasmus University Rotterdam, the Netherlands</p> <p>Miłosz Rojek Head of Unit of Analyses and Strategy, Ministry of Science and Higher Education, Poland</p> <p>Laura Tucker Founder and CEO of Vertigo Ventures, UK</p>	<p><i>How impact assessment can support stimulation of value creation of research to tackle Grand Challenges</i></p> <p>Paul Wouters (<i>Chair</i>) Dean of Social Sciences & former Director of CWTS, Leiden University, the Netherlands</p> <p>Rainer Walz Deputy Director, Fraunhofer Institute for Systems and Innovation Research, Germany</p> <p>Martina Kadunc Team Leader for Impact Monitoring at the European Commission, Slovenia</p>	

12.30-13.00 Break

13.00-15.00 VIII Closing panel: 'Recommendations for the Polish science system, and beyond'

13.00 **Ranking the Recommendations**

13.30 **Audience - Remaining Questions and Debates**

13.45 **Closing panel**

with Conference Chair:

David Sweeney Executive Chair of Research England, U.K.

Panel members:

Jarosław Górniak Founder of the Centre for Evaluation and Analyses of Public Policies, Poland

Victoria Galán-Muros Director of policy affairs, University-Industry Innovation Network, France

Jo Bury Managing Director of the Flanders Institute for Biotechnology (VIB), Belgium & Advisory Board member of the European Innovation Council (EIC)

Bartłomiej Banaszak Director of the Department of Science in the Ministry of Science and Higher Education

Małgorzata Drewnicka CEO at the Małopolska Regional Development Agency, Poland

14.30 **Anna Budzanowska** Undersecretary of State at the Ministry of Science and Higher Education, Poland

14.45 **Closing remarks**

15.00 **Closing reception**