

Draft 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:



ELSEVIER

Technote

Fraunhofer
ISI

researchfish
by interfolio

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.

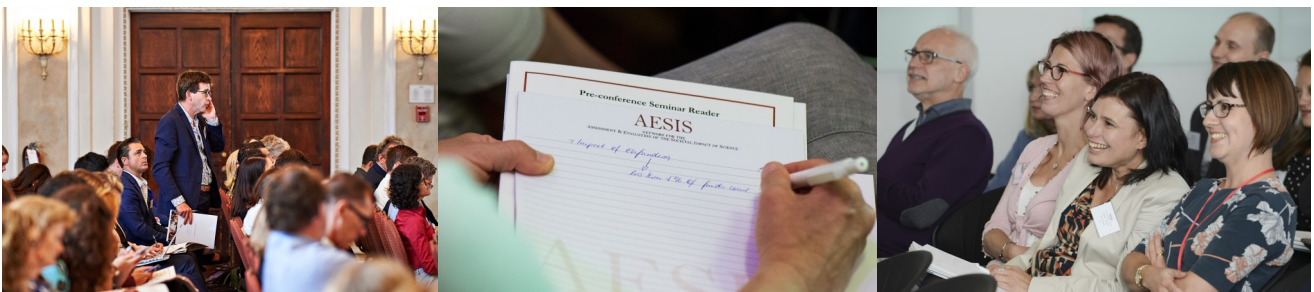
Research with societal impact involves different stakeholders from researchers, policymakers, research councils, local municipalities and beyond, and therefore also different causal logics, different expectations for impact and different timelines for social impacts to occur, as well as different scale 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

Welcome by:

- 09.00 Jerzy Lis** Rector, AGH - University of Science and Technology, Krakow, Poland
- 09.10 Representative** of the Ministry of Science and Higher 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 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** Scientific Programme Manager at Science Foundation Ireland, Republic of Ireland
- 10.35** Panel & Q&A

11.00-11.30 Break

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

Policies for Impact Evaluation	Institutional Impact Profile	Data Analysis and CRIS	Assessment Approaches for SSH
<i>Policies for impact evaluation (€ funding) on a national level</i>	<i>Effectively evaluating impact to gain more insight in impact performance and build strategy around strengths</i>	<i>What are the latest developments in measuring to create more structured insight in impact-performance?</i>	<i>Diversification of assessment for SSH in comparison to other disciplines</i>
Kim Huijpen (Chair) Policy adviser at the VSNU, the Netherlands	Steven Hill (Chair) Director of Research, Research England, UK	Andrew Plume (Chair) Senior Director of Research Evaluation at Elsevier, UK	David Budtz Pedersen (Chair) Director of the Humanomics Research Centre, Denmark
Jinwon Kang Policy officer, Korea-EU Research Center & Korea Institute of S&T Evaluation and Planning	Julie Bayley Director of Research Impact Development, University of Lincoln, UK	Simon Kerridge Director of Research Services, Kent University, UK	Claire Donovan Professor of Higher Education at the University of Greenwich, UK
Martin Szomszor Director at the Institute for Scientific Information, UK	Barend van der Meulen Director CHEPS, Twente University, former head of research at Rathenau, the Netherlands	Vilius Stanciauskas Director of Technote and founder of the Data4Impact project, Lithuania	Emanuel Kulczycki Member of the Committee for Science Evaluation, Poland

More sessions on the next page

Wednesday 4 November 2020 (continued)

Times in CET (GMT +1)

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

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

David S. Ameyaw

President and CEO of
International Centre for
Evaluation and Development
(ICED), Kenya

Social Sciences & Humanities

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

Natalia Garner*

The Committee for
Science Policy, Poland

David Phipps

Director of Research Impact
Canada, Canada

Big Data Analysis & Impact

*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

*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

Thursday 5 November 2020

Times in CET (GMT +1)

08.30-09.00 Registration & Informal Coffee-chat

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

09.20 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
topic

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
topic

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 Opening panel with chair & plenary speakers

10.40-11.00 Break

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

Science Policy Interface

Entrepreneurship

Grand Challenges

Role of Industry

How to organise evidence informed policymaking internally and externally

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

Integrating Grand Challenges in an institutional research strategy

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

Jarosław Górniak (Chair)

Natacha Wilson (Chair)

Beverly Damonse (Chair)

Carlos Primo David* (Chair)

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

Founder Cambridge Insights, UK

Executive of Science Engagement and Corporate Relations, NRF, South Africa

Executive Director of PCIEERD, The Philippines

Justyna Bandola-Gill

Carl Johan Sundberg
Professor Coordinator Science & Society, President Office Karolinska Institutet, Sweden

Aleksander Dańda

Victoria Galán-Muros

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

Consul General of Poland to Hong Kong & former Director, Department of Science, Ministry of Science and HE

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

Christine Weidenslaufer

Albert Ko
Director of Lingnan Entrepreneurship Initiative, Hong Kong

Derk Loorbach

Oliver Cox

Lawyer at the Library of National Congress in Santiago, Chile

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

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

More sessions on the next page

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

Funding Agencies	Interdisciplinary approaches	Fundamental vs Mission-driven Science	<p>You may freely choose to join any of the <i>Parallel Sessions in RED</i>, which will contain 3 to 4 presentations and an interactive discussion or Q&A</p> <p><i>Please note that the Roundtable sessions in PURPLE accept only 20 participants (pre-registration is advised)</i></p>
<p><i>How can public and private funders foster an ecosystem that enables impact?</i></p> <p>Wojciech Kamieniecki Director of the National Centre for Research and Development, Poland</p>	<p><i>How can interdisciplinary approaches stimulate impact of research, and how can we institutionalise this approach?</i></p> <p>Claire Edwards* Director of the Institute for Social Science in the 21st Century at the University College Cork, Ireland</p>	<p><i>How to position curiosity-driven and mission-driven research in the societal impact landscape</i></p> <p>Jakob Edler Executive Director of the Fraunhofer Institute for Systems and Innovation Research, Germany</p>	
<p>Sven Stafström Director General, the Swedish Research Council, Sweden</p> <p>Stig Slipersæter Special Advisor at the Research</p>	<p>Antonia Caro González Head of International Research Project Office at the University of Deusto, Spain</p>	<p>Philippe Larrue Policy analyst at the Directorate for Science, Technology and Industry, OECD</p>	

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

Milena Žic Fuchs Professor of Linguistics, the University of Zagreb, Croatia

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—13.45 Closing remarks by **David Sweeney**

08.30-09.00 Registration & Informal Coffee-chat

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 European Science Ecosystems

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

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

09.40 **Milena Žic Fuchs** Professor of Linguistics, the University of Zagreb, Croatia

09.55 **Kostadin Kostadinov*** Advisor to the Minister at the Ministry of Education and Science, Bulgaria

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

10.25 Panel and Q&A

10.45-11.15 Break

11.15-12.30 VII Parallel sessions: Science and Society Interface

Research & Technology Organisations

Science Assessment for Stimulating Broader Impact

Regional & Municipal Level

Ranking Impact

Topic description

How impact assessment can support stimulation of value creation of research to tackle Grand Challenges

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

Topic description

Frans van Gernerden (Chair)
Strategy manager, Netherlands Organisation for Applied Scientific Research (TNO)

Paul Wouters (Chair)
Dean of Social Sciences & former Director of CWTS, Leiden University, the Netherlands

Caroline Nevejan (Chair)
Chief Science Officer, University of Amsterdam, the Netherlands

Wilfred Mijnhardt (Chair)
Policy Director, School of Management, Erasmus University Rotterdam, the Netherlands

Thulani Dlamini
CEO of Council for Scientific and Industrial Research (CSIR), South Africa

Rainer Walz
Deputy Director, Fraunhofer Institute for Systems and Innovation Research, Germany

Sam Cole
Head of REF futures (policy & delivery) at Warwick University, UK

Miłosz Rojek
Head of Unit of Analyses and Strategy, Ministry of Science and Higher Education, Poland

Piotr Dardziński
President of the Łukasiewicz Research Network, Poland

Martina Kadunc
Team Leader for Impact Monitoring at the European Commission, Slovenia

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

Laura Tucker
Founder and CEO of Vertigo Ventures, UK

More sessions on the next page

Friday 6 November 2020 (continued)

Times in CET (GMT +1)

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

Mass Media & Communication	Open Science	Science during and after Crisis Times	
<p><i>The opportunities and challenges of (social) media as a bridge between science and society</i></p> <p>Paul Manners (<i>Chair</i>) Founding Director of the National Co-ordinating Centre for public engagement, UK</p> <p>Ger Hanley Founder Write Fund, Republic of Ireland</p> <p>Bianka Siwińska Editor-in-chief of the educational magazine 'Perspektywy', Poland</p>	<p><i>How to operationalise Open science and the effects on societal impact of science</i></p> <p>Max Dumoulin Vice President Institutional Offerings, Elsevier, the Netherlands</p> <p style="text-align: center;">&</p> <p>Andrzej Jajszczyk* Professor at the Department of Telecommunications, AGH University of Science and Technology in Krakow, Poland</p> <p style="text-align: center;">&</p> <p>Emanuele Barbarossa* Legal Officer, Unit "Open Science", DG Research and Innovation of the European Commission</p>	<p><i>Topic</i></p> <p>Toby Smith American Association of Universities, United States</p> <p style="text-align: center;">&</p> <p>Coordinator</p>	<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 style="text-align: center;"><i>Please note that the Roundtable sessions in PURPLE accept only 20 participants (pre-registration is advised)</i></p>

12.30-13.15 Break

13.15-15.15 VIII Closing panel: 'Recommendations for the Polish science system, and beyond'

- 13.15** 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:
- David Budtz Pedersen** Director of the Humanomics Research Centre, Denmark
- Rianne Letschert*** Rector Magnificus Maastricht University
- 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
- 14.30** **Anna Budzanowska** Undersecretary of State at the Ministry of Science and Higher Education, Poland
- 14.45** Closing remarks and summary by the Conference Chair: **David Sweeney**

15.00 Closing reception