

Draft Programme

Impact of Science

A 3-day Conference on the Transformative Power of Research

AESIS

NETWORK FOR
ADVANCING & EVALUATING THE SOCIETAL IMPACT OF SCIENCE



Online, Hosted from University
of Cape Town, South Africa

23-25 June
2021



- IMPACT OF SCIENCE -

In the past year the world has become more visibly depended on science than ever before. At the same time the credibility and legitimacy of science and the international scientific community have faced increasing battles under the troubling times of the past year. This crisis has shown light on the extended need for inclusive economic development, and effective assessment of what works and what doesn't. on top of ever growing issues such as climate change, poverty or inequality. Thus, this year's **Impact of Science** conference will focus on **The Transformative Power of Research** and bring together science impact professionals to discuss how to evaluate and increase impact of science on our global society.

With these goals in mind there is no better place to host the conference from than South Africa. Rapidly developing, working on a national impact agenda and ways to shorten the research impact cycle, the National Research Council, universities, and many other stakeholders have been gaining skills and knowledge about how to use science for tackling problems such as the triple challenge. Initiatives for collaboration between the academic world, government, industry and society sprout from the ground, but there is still much to do. Therefore South Africa is the ideal host for our conference on the transformative power of research that will accelerate the solutions that science and society need.

This conference is featuring highly regarded and internationally recognized experts who will be discussing the contribution of their research to the quality of life and well-being. The conference expects over 300 participants from more than 30 countries. The entire event will be online, hosted from South Africa to ensure that those who cannot participate in-person due to the pandemic may do so remotely,

Some of the themes that will be discussed:

- ◆ Advancing a research impact agenda for inclusive development
- ◆ Models, approaches for the development of a research impact agenda
- ◆ National impact evaluation frameworks, citizen-based monitoring of impact, demonstrating effectiveness of impact on the SDG's, The role of AI and Big Data
- ◆ Promoting coherence about impact within the science eco-system
- ◆ Collaboration & engagement for impact of science
- ◆ The road towards evidence- informed policy making

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-based policy, interdisciplinary approaches, and, harmonising definitions and assumptions.

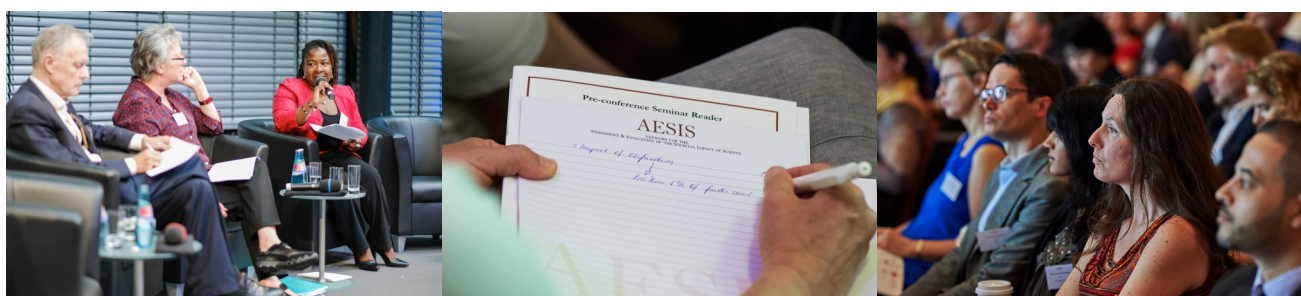
- IMPACT OF SCIENCE -

Programme Advisory Committee

Phethiwe Matutu	Group Executive of Strategy Planning & Partnerships, National Research Council, South Africa
Cheryl de la Rey	Vice-Chancellor of the University of Canterbury, New Zealand
Sue Harrison	Deputy Vice Chancellor Research & Internationalisation, University of Cape Town, South Africa
Ingrid van de Stadt	Regional Marketing Director, Elsevier, the Netherlands
Himla Soodyall	Executive Officer, Academy of Science of South Africa, South Africa
Heidi van Rooyen	Group Executive of the Impact Centre at the Human Sciences Research Council, South Africa
Harsha Dayal <i>(to be confirmed)</i>	Research Director, Department of Planning, Monitoring, and Evaluation, South Africa

AESIS Advisory Board

Koenraad Debackere	Executive Director of KU Leuven Research and Development & Chairman of Board of Directors of KBC Group NV
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 and Behavioural Sciences & former Director of CWTS, Leiden University, The Netherlands



Wednesday 23 June 2021

Times in SA Time (GMT +2)

9.30-10.00 Registration

10.00-10.30 WORDS OF WELCOME

- 10.00 Conference Chair:
Cheryl de la Rey* Vice-Chancellor of the University of Canterbury, New Zealand
- 10.10 **Mamokgethi Phakeng** Vice-Chancellor of the University of Cape Town
- 10.20 **Blade Nzimande** Minister of Higher Education, Science and Innovation, South Africa

10.30-12.00 THE TRANSFORMATIVE NATURE AND ROLE OF SCIENCE IN SOCIETY

- 10.30 **David Sweeney*** Executive Chair, Research England
- 10.45 **Ismail Serageldin*** Founding Director of the New Library of Alexandria, Egypt
- 11.00 **CEO (tbd)** National Research Foundation, South Africa
- 11.15 **Marcia McNutt** President of the National Academy of Sciences, United States
- 11.30 Panel & Q&A

12.00-12.30 Break

12.30-13.45 ADVANCING A RESEARCH IMPACT AGENDA (FOR INCLUSIVE DEVELOPMENT)

Research Infrastructures and Mega-science

Topic description

Arindam Ghosh

Professor in Department of
Physics, Indian Institute of
Science

Riitta Majjala*

Vice President for Research
at the Academy of Finland

Zebulon Vilakazi*

Vice Chancellor of Wits
University, South Africa

Enhancing Inclusive Economic Growth

Topic description

Gabriela Ramos

Assistant Director-General for
Social and Human Sciences,
UNESCO

Haroon Borhat*

Director of Development Policy
Research Unit at University of
Cape Town, South Africa

Transforming the Science System (*Roundtable*)

*Transforming the Fundamentals
of the Science System*

Derk Loorbach*

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

Himla Soodyall

Executive Officer,
Academy of Science of South
Africa, South Africa

*Attendees 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 session in
PURPLE** accept only 20
participants (pre-registration is
advised)*

More sessions on the next page

*Confirmed

Wednesday 23 June 2021 (continued)

Times in SA Time (GMT +2)

12.30-13.45 ADVANCING A RESEARCH IMPACT AGENDA (FOR INCLUSIVE DEVELOPMENT) (continued)

Collectively Tackling Grand Challenges

Addressing sustainable development focusing on global change and pollution

John Mugabe (*Chair*)

Professor at the Graduate School of Technology Management, University of Pretoria & Science and Innovation Policy Consultant, World Bank Institute

Lidia Brito*

Director of UNESCO's Regional Bureau for Sciences in Latin America and the Caribbean

Evelyn Namubiru-Mwaura*

Independent Consultant and Policy Advisor, Policy Innovation, Uganda & Former director of SEI Africa, Kenya

Developing a Regional or National Impact Policy

Topic description

Harsha Dayal (*Chair*)

Research Director at Department of Planning, Monitoring and Evaluation, South Africa

Tateo Arimoto*

Deputy Director General, Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST)

Jesper W. Simonsen

Executive Director at Research Council of Norway

Increasing Credibility of Science (*Roundtable*)

Topic description

Crain Soudien*

Chief Executive Officer of the Human Sciences Research Council, South Africa

Mark Little

Journalist & Founder of Storyful, Dublin, Ireland

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13.45-14.30 Lunch break

14.30-15.45 METHODS AND STRATEGIES FOR STIMULATING SOCIETAL IMPACT

Training and Skills for Impact

Topic description

Wendy Cukier*

Associate Director of Partnership, Development and Stewardship at the Future Skills Centre

Sarah Morton*

Director & Co-Founder of Matter of Focus & Honorary Fellow at University of Edinburgh, Scotland

Alphonsus Neba

Deputy Director Programmes, Science Support and Systems at African Academy of Sciences, Kenya

Institutional Impact Strategy

Topic description

Paul Boyle

Vice-Chancellor of Swansea University

Esther De Smet*

Senior Research Policy Advisor, Ghent University

Buyinza Mukadasi

Director of Research and Graduate Training, Makerere University, Uganda

**University of Tasmania
Representative**

Open Science (*Roundtable*)

Topic description

Paul Wouters

Dean of Social Sciences & former Director of CWTS, Leiden University, the Netherlands

Sue Harrison

Deputy Vice-Chancellor for Research and Internationalisation at University of Cape Town, South Africa

(Coordinator 3)

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*Confirmed

Wednesday 23 June 2021 (continued)

Times in SA Time (GMT +2)

14.30-15.45 METHODS AND STRATEGIES FOR STIMULATING SOCIETAL IMPACT (continued)

Entrepreneurship	Public Engagement & Co-Creation	Technology & Innovation Organisations (Roundtable)	
<p><i>Topic description</i></p> <p>David Priilaid Head of Applied Management, University of Cape Town, South Africa</p> <p>Albert Ko Director of Lingnan Entrepreneurship Initiative, Hong Kong</p> <p>(Speaker 3)</p>	<p><i>Topic description</i></p> <p>Rasigan Maharajh * Node Head, Department of S&T and NRF Centre of Excellence in Scientometrics and S&T and Innovation Policy, South Africa</p> <p>Jenny Hasenfuss* Engagement Manager for Public and Patient Innovation at Newcastle University</p> <p>Diana Sanchez-Betancourt Senior Researcher at HSRC, South Africa</p>	<p><i>Topic description</i></p> <p>Thulani Dlamini CEO of Council for Scientific and Industrial Research (CSIR), South Africa</p> <p>Anneline Morgan Senior Technical Advisor for Southern Africa Network for Biosciences</p> <p>(Speaker 3)</p>	<p><i>Attendees 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 session in PURPLE accept only 20 participants (pre-registration is advised)</i></p>

SOCIAL PROGRAMME



Thursday 24 June 2021

Times in SA Time (GMT +2)

09.30-10.00 Registration

10.00-10.15 WORDS OF WELCOME

10.00 Cheryl de la Rey* Vice-Chancellor of the University of Canterbury, New Zealand

10.15-11.45 MODELS, APPROACHES & LESSONS FOR THE DEVELOPMENT OF A RESEARCH IMPACT AGENDA

10.15 Chris Brink* Former Vice-Chancellor of Newcastle University (UK) & Chair of the 2020 Research Assessment Exercise Group, University Grants Committee, Hong Kong

10.30 Wendy Lerner* President of the Royal Society Te Apārangi, New Zealand

10.45 Johann Mouton* Director of the DST-NRF Centre of Excellence in STI Policy, CREST, Stellenbosch University.

11.00 Speaker 4

11.15 Panel and Q&A

11.45-12.15 Break

12.15-13.30 RESEARCH IMPACT ASSESSMENT AND COMMUNICATION: METHODOLOGIES

Assessment Beyond
Bibliometrics

National Impact Evaluation
Frameworks

Citizen-based monitoring of
Impact (*Roundtable*)

Topic description

Topic description

*Citizen-based ex ante and ex post
assessment of Impact*

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

Gaston Heimeriks

Assistant Professor at Department of Innovation Studies, Utrecht University, Netherlands

David Sweeney

Executive Chair, Research England

Eric Jensen

Associate Professor in Sociology, Warwick University, United Kingdom

Sean Newell

CEO of Interfolio: researchfish, United Kingdom

Ashraf Bakr Al-Shareef

Consultant in Monitoring and Evaluation (M&E) and the institutionalization of Results-Based Management (RBM), Egypt

Coordinator 2

(Speaker 3)

Representative NRF

(Coordinator 3)

More sessions on the next page

*Confirmed

Thursday 24 June 2021 (continued)

Times in SA Time (GMT +2)

12.15-13.30 RESEARCH IMPACT ASSESSMENT AND COMMUNICATION: METHODOLOGIES (continued)

Institutional Assessment (Strengthening Impact Profile)	The Role of AI, Big data & other Technical Developments	<i>Demonstrating Effectiveness of Impact on the SDG's</i>	
<p><i>Topic description</i></p> <p>Barend van der Meulen Professor of Institutional Aspects of (Higher) Education, University of Twente</p> <p>Speaker 2</p> <p>(Speaker 3)</p>	<p><i>Topic description</i></p> <p>Amy Cook Senior Director, Knowledge Mobilization, CIFAR</p> <p>Representative Elsevier, the Netherlands</p> <p>Rachel Adams Chief Research Specialist, African Histories of Technology, Human Sciences Research Council (HSRC), South Africa</p>	<p><i>Topic description</i></p> <p>Simon Kerridge* Director of Research Services at the University of Kent</p> <p>Vertigo Ventures Representative</p>	<p><i>Attendees 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>

13.30-14.15 Lunch break

14.15-16.00 INTERACTIVE CLOSING DEBATE

- 14.15** **Carlos Henrique de Brito Cruz*** Senior Vice President, Research Networks, Elsevier
- 14.35** **AESIS** Presenting the Recommendations from parallel sessions
- 14.45** Closing panel
- At the start of the debate the audience can vote between 8 to 10 questions. The top 3 will be debated.*
- Chair
- Cheryl de la Rey*** *Vice-Chancellor of the University of Canterbury*
- Panel members:
- Mlungisi Cele*** Acting Chief Executive Officer, National Advisory Council on Innovation, South Africa
- Carlos Henrique de Brito Cruz*** Senior Vice President, Research Networks, Elsevier
- Alice Frost** Director of Knowledge Exchange, Research England
- 15.45** Closing remarks by **Cheryl de la Rey**

16.00 End of the conference day

Friday 25 June 2021

Times in SA Time (GMT +2)

09.30-10.00 Registration

10.00-10.15 WORDS OF WELCOME

10.00 Cheryl de la Rey*

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

10.15 PROMOTING COHERENCE ABOUT IMPACT WITHIN THE SCIENCE ECO-SYSTEM

10.15 Juliet Gerrard* Chief Science Advisor, Office of the Prime Minister, New Zealand

10.30 Ernest Aryeetey* Secretary-General of the African Research Universities Alliance (ARUA) and former Vice-Chancellor of the University of Ghana

10.45 Toby Smith* Vice President for Policy at the Association of American Universities, USA

11.00 Daya Reddy President of International Science Council, South Africa

11.15 Panel and Q&A

11.45-12.15 Break

12.15-13.30 COLLABORATION (STRUCTURES) & ENGAGEMENT FOR IMPACT OF SCIENCE

Mass Media & Communication

Academic-Business Relations for Innovation

Addressing local community challenges (*Roundtable*)

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

Paul Manners (Chair)*
Founding Director, National Co-ordinating Centre for public engagement, UK

Ger Hanley*
Founder Write Fund, Republic of Ireland

Dariusz Aksamit*
President of the Association of Science Advocates, Poland

Tanja Bosch
Deputy Dean, Centre for Film & Media Studies, UCT, South Africa

Topic description

Heidi Kinunnen*
Deputy Head at Helsinki University

Miranda Lou
Executive Vice-President of Hong Kong Polytechnic University

Alexandre Lyambabaje
Vice-Chancellor, University of Rwanda

Topic description

Shadrack Moephuli
Chief Executive Officer at Agricultural Research Council, South Africa

Malgorzata Drewnicka*
President of the Management Board at Malopolska Regional Development Agency

Isabel Casimiro
President of CODESRIA, Mozambique

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More sessions on the next page

*Confirmed

Friday 25 June 2021 (continued)

Times in SA Time (GMT +2)

12.15-13.30 COLLABORATION (STRUCTURES) & ENGAGEMENT FOR IMPACT OF SCIENCE (Continued)

Building towards Evidence-Informed Policymaking	Sustainable Cross-border Cooperation	Transdisciplinary Approaches for Excellence (<i>Roundtable</i>)	
<i>Using evidence based decision making for policy development</i>	<i>Topic description</i>	<i>Topic description</i>	<p><i>Attendees 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 style="text-align: center;">Madiagne Diallo Director of Planning and Studies at Conseil économique, social et environnemental du Sénégal</p>	<p style="text-align: center;">Ben Ku* Associate Professor at the Hong Kong Polytechnic University</p>	<p style="text-align: center;">Elizabeth Stephens Associate Professor at University of Queensland</p>	
<p style="text-align: center;">Sibongile Muthwa Vice-Chancellor Nelson Mandela University, South Africa</p>	<p style="text-align: center;">Getachew Engida Co-president of the China-Africa Leadership Development Institute, Tsinghua University</p>	<p style="text-align: center;">Alice Rajewsky Head of Sector for Humanities at the European Research Council</p>	
<p style="text-align: center;">David Goldston* Director of MIT Washington Office</p>	<p>(Speaker 3)</p>	<p>(Coordinator 3)</p>	

13.30-14.15 Lunch break

14.15-16.15 RECOMMENDATIONS FOR THE SOUTH AFRICAN SCIENCE SYSTEM, AND BEYOND

- 14.15 Ranking the Recommendations
- 14.45 Audience - Remaining Questions and Debates
- 15.00 Closing panel

Chair:

Cheryl de la Rey* Vice-Chancellor of the University of Canterbury

Panel members:

Beverley Damonse Group Executive: Science Engagement and Corporate Relations of the National Research Foundation, South Africa

Isabel Casimiro President of CODESRIA, Mozambique

Panelist 3

Panelist 4

16.00 Closing remarks

16.15 Closing reception