Impact of Science

A 3-day Conference on the Transformative Power of Research

AESIS

NETWORK FOR ADVANCING & EVALUATING THE SOCIETAL IMPACT OF SCIENCE

In partnership with:

















Online, hosted from Cape Town, South Africa

23-25 June 2021



BACKGROUND

In the past year the world has become more visibly depending 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 brings 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, and 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 recognised experts who will be discussing the contribution of their research to the quality of life and well-being. The conference expects over 350 participants from more than 30 countries. The entire event will be online, hosted from South Africa to ensure that everyone has access to the conference, regardless of the obstacles the pandemic has cost to meet in person.



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,
- Demonstrating effectiveness of impact on the SDG's
- 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' eight 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. We are very excited to be working with our colleagues in South Africa and else where in the world to create the most valuable programme and experience for all of you who would like to learn about and contribute to science transforming the world. And we very much look forward to meeting you there!

CONTENT SUPPORT

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 Director of Research, 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, 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, United States

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

CONFERENCE PLATFORM OPENS - WALK IN



Introducing the conference, online platform features and other activities

—Foyer—

One on one guidance for any technical issues or questions attendees might have

—-Helpdesk—



10.00-10.30	WORDS OF WELCOM	E	Table Mountain Room	
10.00	Conference Chair: Cheryl de la Rey	Vice-Chancellor of the University of Canterbury, New Zea	aland	
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		Table Mountain Room	
	This plenary session is an introduction into the power of research and its ability to tranform and impact the society for the betterment of all actors involved. The speakers will consider the role of science and research in society, and the changing relationship between science and society, especially in current times.			
10.30	David Sweeney	Executive Chair, Research England, United Kingdom		
10.45	Ismail Serageldin	Founding Director of the New Library of Alexandria, Egypt		
11.00	Fulufhelo Nelwamondo	Chief Executive Officer, National Research Foundation, South Africa		

12.00-12.30

11.15

11.30

Kristiann Allen

Panel and Q&A

BREAK

Director of Secretariat and Executive Secretary of the International Network for Government Science Advice

Chaired by Cheryl de la Rey, with David Sweeney, Ismail Serageldin, Fulufhelo Nelwamondo

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

-Nobel Square-

Learn more about the partners of this conference, without whom we wouldn't be here

& Kristiann Allen

—Exhibition—



Enjoy a series of short interviews with good-practices of research impact from all over the world

—Labia Theatre—

Wednesday 23 June 2021

Times in SA Time (GMT +2)

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

Research Infrastructures and Mega-science

——Cape Point Room—

What infrastructures can facilitate more effective impact of science on society?

Reiner Kruecken (Chair)
Deputy Director of Research,
TRIUMF, Canada

Robert-Jan Smits

President of the Executive Board, Eindhoven University of Technology, Netherlands

Zeblon Vilakazi

Vice Chancellor of Wits University, South Africa Enhancing Inclusive Economic Growth

-V&A Waterfront Room-

How can science be utlised for all of society and thereby close existing gaps of inequality?

John Crowley Chair)

Chief of Section for Research, Policy, and Foresight, UNESCO, France

Haroon Bhorat

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

Erika Kraemer-Mbula

Professor of Economics at University of Johannesburg, South Africa

Transforming the Science System (Roundtable)

-Robben Island Room -

Transforming the Fundamentals of the Science System to facilitate the impact the world needs

Derk Loorbach

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

Himla Soodyall

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

Lauren Rickards

Professor in the school of Global, Urban, and Social Studies at Royal Melbourne Institute of Technology, Australia

Collectively Tackling Grand Challenges

-Boulders Bay Room-

Addressing sustainable development focusing on global change and pollution

Lidia Brito (Chair)

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

Francesco Gardumi

Senior Researcher, Energy Systems Analysis, Royal Institute of Technology (KTH), Sweden

Emily Hill

Client Success Manager of Vertigo Ventures, United Kingdom Developing a Regional or National Impact Policy

-Bo-Kaap Room-

How can the policy support help the excellence of research and positive effect it should have on society?

Mahama Ouedraogo (Chair)

Executive Director of Education, Science, Technology Innovation in African Union, Ethiopia

Tateo Arimoto

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

Sarah Foxen

Knowledge Exchange Lead at POST, UK Parliament, United Kingdom

Increasing Credibility of Science (Roundtable)

—Cape of Good Hope Room—

What are the effects of trust in science and how can we overcome them to improve society?

Crain Soudien

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

Roseann Runte

President and CEO of the Canada Foundation for Innovation, Ottawa Canada

Ahmed Bawa

CEO of Universities of South Africa (USAF), 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) who will engage in interactive discussions guided by the invited coordinators

BREAK

13.45-14.30

Interview with the National Research Foundation of South Africa (13.50-14.00)

-Foyer-



Enjoy a series of short interviews with good-practices of research impact from all over the world

-Labia Theatre-

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

—Nobel Square—

Wednesday 23 June 2021

Times in SA Time (GMT +2)

14.30-15.45 METHODS AND STRATEGIES FOR STIMULATING SOCIETAL IMPACT

Entrepreneurship

----Cape Point Room-

How can and should science be made market-ready and how can you overcome the obstacles?

David Priilaid (Chair)

Head of Applied Management, University of Cape Town, South Africa

Emma Salgard Cunha

Project Lead of Arts, Humanities, and Social Sciences at Cambridge Enterprise, United Kingdom

Magnus Gulbrandsen

Professor in TIK Centre for Technology, Innovation, and Culture, Oslo, Norway

Institutional Impact Strategy

----V&A Waterfront Room---

How can you integrate impact in your institutional strategy to support a mandate for more societal wellbeing

Buyinza Mukadasi (Chair)

Director of Research and Graduate Training, Makerere University, Uganda

Willie Pearson

Professor of Sociology at the School of History, Technology, and Society at Georgia Institute of Technology, United States

Tracey Dickson

Associate Dean of Research Performance, College of Health and Medicine, University of Tasmania, Australia

Esther De Smet

Senior Research Policy Advisor, Ghent University, Belgium

Open Science (Roundtable)

-Robben Island Room-

How can the open science movement be directed towards broad engagement and more value to society?

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

Training and Skills for Impact —Boulders Bay Room—

Which skills are required from individuals for impact and where should we employ facilitary support?

Wendy Cukier (Chair)

Diversity Institute Founder, Academic Director of the Women Entrepreneurship Knowledge Hub and Research Lead of the Future Skills Centre

Sarah Morton

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

Angus Paterson

Managing Director of South African Institute for Aquatic Biodiversity, NRF, South Africa

Public Engagement & Co-Creation

-Bo-Kaap Room-

The importance of society should not be underestimated, but how can you effectively connect with stakeholders?

Rasigan Maharajh (Chair)

Node Head, Department of S&T and NRF Centre of Excellence in Scientometrics and S&T and Innovation Policy, South Africa

Jenny Hasenfuss

Coordinator, Capabilities in Academic Policy Engagement (CAPE) Unit, Northumbria University

Diana Sanchez-Betancourt

Senior Researcher at HSRC, South Africa



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15.45-16.30

SOCIAL PROGRAMME

Enjoy the tunes of Africa while discovering more about the cultural backgrounds

—Foyer—

Explore African
music & culture with
Richard Nwamba!

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

Thursday 24 June 2021

Times in SA Time (GMT +2)

9.30-10.00

CONFERENCE PLATFORM OPENS - WALK IN



Interview with the University of Cape Town, South Africa (9.45-9.55)

—Foyer—

Watch the one-minute recommendations from the parallel sessions on Wednesday

-Labia theatre-



10.00-10.15 WORDS OF WELCOME

Table Mountain Room

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

10.15-11.45

MODELS, APPROACHES & LESSONS

OR THE DEVELOPMENT OF A RESEARCH IMPACT AGENDA

Table Mountain Room

In this session speakers will address the issues and lessons learnt in developing a regional or national impact agenda, and what models or approaches one can implement within insittutions to establish a framework to effectively produce impact in society. The discussions will include how developing and established models have been adapted over years based on experience and overcoming challenges.

	established models have been adapted over years based on experience and overcoming challenges.		
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 Larner	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, South Africa	
11.00	Phethiwe Matutu	Group Executive: Strategy Planning and Partnerships, National Research Foundation, South Africa	
11.15	Panel and Q&A	Chaired by Cheryl de la Rey, with Chris Brink, Wendy Larner, Johann Mouton &	



11.45-12.15

BREAK

Interview with Elsevier (11.50-12.00)

—Foyer—



Learn more about the partners of this conference, without whom we wouldn't be here

—Exhibition—

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

Thursday 24 June 2021

Times in SA Time (GMT +2)

12.15-13.30 RESEARCH IMPACT ASSESSMENT AND COMMUNICATION: METHODOLOGIES

Assessment Beyond Bibliometrics

-Cape Point Room-

Which tools of assessment are reasonable beyond the traditional academic impact factors to evaluate impact?

Eric Jensen (Chair)

Assistant Professor in Sociology, Warwick University, United Kingdom

Alan Paic

Senior Policy Analyst at OECD, France

Harsha Dayal

Director of Research Department of Planning, Monitoring, and Evaluation, South Africa Methods & Tools for Impact Mapping

-V&A Waterfront Room-

The methods and tools that have already been developed for assessing the societal impact of science

Sibylle Studer (Chair)

Project Leader at Swiss Academy of Arts & Sciences, Switzerland

Nelius Boshoff

Chairperson at Centre for Research on Evaluation of Science and Technology, South Africa

David Dooghe

Strategic Advisor & Researcher, Environmental Planning Strategy & Policy, TNO, Netherlands National Impact Evaluation Frameworks (Roundtable)

-Robben Island Room-

How can an overarching impact strategy help improve the value of science for society?

Marta Wroblewska

Chief Expert at National Centre for Research and Development, Poland

Igor Campillo

Director of Euskampus Fundazioa, Basque Country, Spain

Gerhard Moolman

Director of Information & Analysis, National Research Foundation, South Africa

Impact Assesssment for Effectiveness

—Boulders Bay Room—

How to assess societal impact to make it more effective for research and funding institutions

Barend van der Meulen (Chair)
Professor of Institutional Aspects of (Higher)
Education, University of Twente

Heidi Van Rooyen

Group Executive of the Impact Centre at the Human Sciences Research Council, South Africa

Pauline Tay

Deputy Director Innovation and Enterprise/ Strategy, National Research Foundation, Singapore The Role of AI, Big data & other Technical Developments

-Bo-Kaap Room-

Developments in technology has created multiple opportunties, but also obstacles for impact. What is the best approach?

Katrine Weisteen Bjerde (Chair)
Director of Research Services,
UNIT, Norway

Albert Ko

Director of Lingnan Entrepreneurship Initiative, Hong Kong

Rachel Adams

Chief Research Specialist, African Histories of Technology, Human Sciences Research Council (HSRC), South Africa Demonstrating Effectiveness of Impact on SDG's (Roundtable)

—Cape of Good Hope Room—

How can we best assess the most effective way to employ science for grand challenges such as the SDGs?

Simon Kerridge

Director of Research Services at the University of Kent

Laura Tucker

Founder & CEO of Vertigo Ventures, United Kingdom

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Thursday 24 June 2021

Times in SA Time (GMT +2)

13.30-14.30 BR

BREAK

Take a break between presentations to get up, turn off your mind and move your body

—Foyer—

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

-Nobel Square-

14.30-14.55	CLOSING PLENARY		Table Mountain Room
14.30	Carlos Henrique de Brito Cruz	Senior Vice President, Research Networks, Elsevier	
14.45	Anika Duut van Goor	AESIS	

14.55 - 16.00 INTERACTIVE CLOSING PANEL

Table Mountain Room

Chair:

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

Panelists:

Mlungisi Cele Acting Chief Executive Officer, National Advisory Council on

Innovation, South Africa

Carlos Henrique de

Brito Cruz

Senior Vice President, Research Networks, Elsevier, Brazil

Yuko Harayama Executive Director of International Affairs at RIKEN, Japan

Willie Pearson Professor of Sociology at the School of History, Technology,

and Society at Georgia Institute of Technology, United States

15.45 Closing remarks by Cheryl de la Rey

At the start of the debate the audience can vote between 8 to 10 questions or statements.

The top 3 will be debated by the panel members.

16.00-16.45

SOCIAL PROGRAMME

Explore Cape Town during this virtual walk in which a guide will take you to the must-see places

—Foyer—



Join an informal group-chat to discuss the first conference day or anything else on your mind

Friday 25 June 2021

Times in SA Time (GMT +2)

9.30-10.00

10.15-11.45

CONFERENCE PLATFORM OPENS - WALK IN

Interviews with speakers and attendees, hosted by Vertigo Ventures

—Fover—



Watch the one-minute recommendations from the sessions of previous days

—Labia theater—

Learn more about the partners of this conference, without whom we wouldn't be here

—Exhibitor space—

10.00-10.15 WORDS OF WELCOME

Table Mountain Room

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

PROMOTING COHERENCE ABOUT IMPACT

WITHIN THE SCIENCE ECO-SYSTEM

Table Mountain Room

What policies are required by different organisations and institutions in order to implement and provide a coherent and inclusive science eco-system that allows transformative and impactful research in society. And how can these policy perspectives be coordinated to achieve coherence.

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 Chaired by Cheryl de la Rey, with Juliet Gerrard,

Ernest Aryeetey, Toby Smith & Daya Reddy



11.45 - 12.15

BREAK

Interview with the Human Sciences Research Council of South Africa (11.50-12.00)

—Foyer—

Check out your ranking at the Rewards and win one of the AESIS collectables

—Ranking—



Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

Friday 25 June 2021

Times in SA Time (GMT +2)

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

Mass Media &
Communication
—Cape Point Room-

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

Head of Council of March for Science Foundation, Poland

Marina Joubert

Senior Researcher, Stellenbosch University, South Africa Academic-Business Relations for Innovation

-V&A Waterfront Room-

How to improve the long-term relation between business and science and make sure there is broad positive impact

Heidi Kinunnen (Chair)

Vice Head of Business Collaborations at University of Helsinki, Finland

Teketel Yohannes

Executive Director of Ethiopian Academy of Sciences, Ethiopia

Ian Wright

Deputy Vice-Chancellor of Research and Innovation, University of Canterbury, New Zealand Addressing local community challenges (Roundtable)

—Robben Island Room—

About why community engagement is crucial in producing excellent and usefull research

Isabel Casimiro

President of CODESRIA, Mozambique

Trevor Stuthridge

Research Director of AgResearch, New Zealand

Garry Watson

Chairman of Nga Uri o te Ngahere Trust, and Founder / National coordinator of te Kohimarama, New Zealand

Building towards Evidence-Informed Policymaking

-Boulders Bay Room-

Using evidence based decision making for policy makers to make a well-informed joined decision for the population

David Goldston (*Chair*)

Director of MIT Washington Office,

Patricia Paskov

United States

Analyst in the Impact Evaluation Unit of the Development Research Group, World Bank, USA

Ashraf Bakr Al-Shareef

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

Sustainable Cross-border Cooperation

—Bo-Kaap Room—

How can we bridge borders and connect institutions to build long-term collaborations for a science-based future

Ben Ku (Chair)

Associate Professor at the Hong Kong Polytechnic University

Catherine Odora Hoppers

Professor Extraordinarius in Education, Univeristy of South Africa, South Africa

Sioux McKenna

Professor & Director of the Centre for Postgraduate Studies at Rhodes University, South Africa

Lesley Green

Associate Professor of Anthropology, School of African and Gender Studies, University of Cape Town Transdisciplinary Approaches for Excellence (Roundtable)

—Cape of Good Hope Room—

Excellence and impact can (often) be increased by interdiscipinary appraoches in science, so how can we increase that?

Lino Paula

Head of Sector for Social Sciences at the European Research Council

Sibylle Studer

Project Leader at Swiss Academy of Arts & Sciences, Switzerland

Nelson Torto

Permanent Secretary, Ministry of Tertiary Education, Research, Science and Technology, Botswana

Katherine Amato

Biological Anthropologist & Assistant Professor at Northwestern University, Illinois, United States

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Friday 25 June 2021

Times in SA Time (GMT +2)

13.30-14.30

BREAK

Watch the one-minute recommendations from the sessions of previous days

—Labia theater—

Learn more about the partners of this conference, without whom we wouldn't be here

—Exhibition—

Sit back and enjoy a series of short interviews and films from different experts in six different continents

-Labia Theatre-

Interact with fellow participants, speakers and partners in 1 on 1 or group meetings

-Nobel Square-

14.30-15.00	RECOMMENDATIONS FOR THE SOUTH AFRICAN SCIENCE SYSTEM, AND BEYOND	Table Mountain Room		
14.30	Ranking the Recommendations			
14.50	Audience - Remaining Questions and Debates			

15.00-16.00 CLOSING PANEL

Table Mountain Room

Chair:

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

Panelists:

Beverley Damonse Group Executive: Science Engagement and Corporate

Relations, National Research Foundation, South Africa

Isabel Casimiro President of CODESRIA, Mozambique

David Goldston Director of MIT Washington Office, United States

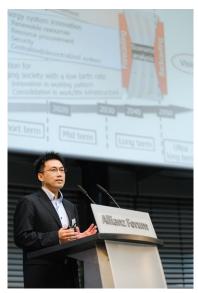
Nelson Torto Permanent Secretary, Ministry of Tertiary Education, Research,

Science and Technology, Botswana

Daya Reddy President of International Science Council, South Africa

Robert-Jan Smits President of the Executive Board,

Eindhoven University of Technology, Netherlands



15.45 Closing remarks by Cheryl de la Rey

