



## **SPRU-Africa Engagement Week on Science, Technology, Innovation and Policy**

**23 - 27 May 2016**

**Pretoria and Johannesburg, South Africa**

**PROGRAMME BROCHURE**

**US**  
UNIVERSITY  
OF SUSSEX



**science  
& technology**

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

This year, the [Science Policy Research Unit \(SPRU\)](#) at the [University of Sussex](#) is celebrating 50 years of being at the forefront of interdisciplinary research in science, technology and innovation. It was at SPRU in the 1960s and 1970s that new ideas were developed for governmental science and technology policies, with a focus on the importance of building up national R&D and knowledge basis (and constructing methods for measuring it). In the 1980s, SPRU made important contributions to the development of the concept of the National Systems of Innovation (NSI) which is still current and used as an innovation and policy framework. Today, SPRU offers a new research and policy agenda focused on [Transforming Innovation](#).

This new agenda refers to the potential for innovation, in the broadest sense, to radically reconfigure the entire economy and society. Closely associated is the need to transform processes of innovation governance—to allow for more exploration and experimentation, outside the narrow boundaries often set by incumbents, and scientific advice based on a wider range of perspectives. It also nurtures a policy making process that provides an opportunity for various stakeholders to challenge dominant and less-dominant views. At a time of urgency to address these challenges, SPRU is embarking on new ways of thinking with an ambitious new strategy focused on long term transformative change and innovation across different sectors, societies and structures. It aims to contribute both to the development of a new innovation theory as well as to the much needed transformation of innovation policy.

The SPRU-Africa engagement week and conference will provide an opportunity for SPRU to work with colleagues, experts, institutions (public and private) and government agencies based in Africa to explore ways to address pressing development challenges and foster innovation that is sustainable, inclusive, environmentally-friendly, and does not exacerbate inequality at the levels that we are currently experiencing. This programme outlines the week of activities scheduled to take place in Pretoria and Johannesburg, South Africa from 23-27 May 2016.

**About SPRU-Africa Engagement Week:** SPRU will meet with key Africa-based science, technology, innovation and policy actors to strengthen historical ties, develop new linkages and networks, and identify future trends in the area of science and innovation policy. We also hope to discuss opportunities for SPRU-Africa partnerships and collaboration in research, capacity-building (training of students, mobility of researchers and customised training for policy practitioners), mentoring, and consultancy.

**About SPRU-Africa Conference:** The conference, themed *'The Past and Future of Innovation Policy'* will bring together delegates from government, academia, civil society, international agencies and industry to consider the three frames of innovation policy—namely (1) R&D; (2) National Systems of Innovation (NSI) and (3) Transformative Change. A series of keynote speeches, a panel discussion and breakout sessions on related topics are planned.

It is our hope that the conference, and the other events leading up to it, will attract the relevant stakeholders and result in fruitful mutual exchange. We look forward to your contribution and partnership in making the SPRU-Africa engagement week a huge success.

### Johan Schot

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## Programme of Events

### *Day 1 - Monday, 23 May 2016*

#### VISITS TO ACADEMIC RESEARCH CENTRES AND INDUSTRY CLUSTERS

Time	Activities	Participants
09.00	Graduate School of Technology Management (GSTM), University of Pretoria	SPRU delegation only
16.00	The Institute for Economic Research on Innovation (IERI) and Centre of Excellence in Scientometrics and STI Policy, Tshwane University of Technology (TUT).	
18.00	Strategic Partnership Meetings	

### *Day 2 - Tuesday, 24 May 2016*

#### VISITS TO INDUSTRY CLUSTERS

Time	Activities	Participants
09.00	The National Intellectual Property Management Office (NIPMO)	SPRU delegation only
11.00	The Council for Scientific and Industrial Research (CSIR)	
13.00	The Innovation Hub	
16.00	Strategic Partnership Meetings	

*Day 3 - Wednesday, 25 May 2016*

**Thematic Area: RESEARCH**

**Morning: Research Forum**

Venue: Tshimologong Precinct, 45 Juta Street Braamfontein, **Johannesburg**  
 Theme: Science, Technology and Innovation Policy for Transformative Change  
 Participants: **Scholars, scientists and researchers, faculty. Open to all participants**

Time	Activity
09.00	<b>Arrival, meet and greet</b>
09.20	Welcome and introduction of speakers <b>Chux Daniels</b> - Science Policy Research Unit, University of Sussex, UK
09.30	Overview of SPRU and Strategic Objectives of Africa Engagement <b>Johan Schot</b> - Science Policy Research Unit, University of Sussex, United Kingdom
10.00	Building Africa's Research Capacity in Innovation: Experiences from AfricaLics <b>Ann Kingiri</b> - AfricaLics; African Centre for Technology Studies (ACTS), Kenya
10.20	The Need for Capacity Building on Innovation Policy; Managing the Politics of Innovation with Informed Perspectives <b>David Walwyn</b> - Graduate School of Technology Management (GSTM), University of Pretoria, SA
10.40	Exploring the Innovation System's Significance to Making a Paradigm Shift to Economics from Creative Destruction to creative Reconstruction <b>Mammo Muchie</b> - Tshwane University of Technology (TUT), SA
11.00	<b>Coffee/Tea break</b>
11.20	Panel / Discussions, Q&A. Moderator: <b>Lucienne Abrahams</b> , LINK Centre, University of the Witwatersrand, SA
12.30	

**Afternoon: Visits to Academic Research Centres**

Time	Activities	Participants
13.30	Johannesburg Centre for Software Engineering and LINK Centre, University of the Witwatersrand	SPRU delegation only
15.00	Short tour of Tshimologong Precinct and The Digital Innovation Zone	
15.30	Open seminar: "Innovation for a World in Transition" <b>Johan Schot</b> - Science Policy Research Unit, University of Sussex, United Kingdom	Open to all participants
18.00	Strategic Partnership Meetings	SPRU delegation only

*Day 4 - Thursday, 26 May 2016*

**Thematic Area: POLICY, GOVERNMENT, ADVOCACY**

**Morning: SPRU & DST Bilateral Meeting**

Participants: SPRU delegation and DST only.

**Afternoon: Africa Policy Forum**

Venue: Department of Science and Technology (DST), 53 Meiring Naude Rd, Silverton, 0184, Brummeria  
DST Building (No. 53), (CSIR South Gate Entrance), Gondwanaland, Ground Floor.

Theme: Science, Technology and Innovation Policy for Transformative Change

Participants: Policy makers, government officials, policy researchers. **Open to all participants**

Time	Activities
14.00	Welcome note, objectives of SPRU-Africa engagement <b>Johan Schot</b> - Science Policy Research Unit, University of Sussex, UK
14.10	Speech: An Observatory for Science, Technology and Innovation in Africa: Challenges and Opportunities <b>Philippe Mawoko</b> - African Observatory of Science, Technology and Innovation (AOSTI), Equatorial Guinea
14.25	Building Political Infrastructure for Science and Innovation Policy in Africa: <b>John Ouma-Mugabe</b> - Graduate School of Technology Management (GSTM), University of Pretoria, SA
14.40	STI Policy in Africa: Domesticating the National System of Innovation: <b>Nicholas Ozor</b> - African Technology Policy Studies Network (ATPS), Kenya
15.55	Inclusive STI Advocacy in Africa: Multi-Stakeholder Frameworks for Closing the Knowledge Gaps and delivering Transformative Innovation: <b>Elizabeth Rasekoala</b> - African Gong, SA
16.10	Response and Reflections: <b>Amina Khalid El Zayat</b> - World Bank Group, SA
16.20	Panel / Discussion, Q&A. Moderator: <b>Anu Idicula</b> - IP Inspired (Pty) Ltd
16.55	Closing remarks <b>Chux Daniels</b> - Science Policy Research Unit, University of Sussex, UK
17.00	<b>Coffee/Tea break and networking</b>

**Evening: SPRU Alumni dinner**

Venue: African Pride Irene Country Lodge, Nellmapius Dr, Pretoria, 0062

Participants: SPRU and University of Sussex alumni

Time: 19.00

*Day 5 - Friday, 27 May 2016*

**SPRU-AFRICA CONFERENCE: ‘The Past and Future of Innovation Policy’**

Venue: **African Pride Irene Country Lodge, Nellmapius Dr, Pretoria, 0062**

Participants: **All participants**

<b>8.30</b>	<b>Arrival and registration</b>
<b>09.30</b>	<b>Opening and welcome note: <a href="#">Daan du Toit (DST)</a></b>
<b>10.00</b>	<b>DST / South-Africa keynote: Developments in South African STI: vision for the future. <a href="#">Phil Mjwara (DG, DST)</a></b>
<b>10.20</b>	<b>SPRU keynote: The Three Frames of Innovation Policy for Transformative Change <a href="#">Johan Schot (SPRU)</a></b>
<b>10.40</b>	Speech: UK Policy Drivers in Support of Innovation. <b><a href="#">Dame Judith Macgregor, British High Commissioner, Pretoria</a></b>
<b>11.00</b>	<b>Coffee/Tea break</b>
<b>11.30</b>	<b>Panel Discussion: Innovation Policymaking for Transformative Change</b> Panellists: <a href="#">SPRU (Johan Schot)</a> , <a href="#">DST (Jetane Weyers)</a> , <a href="#">NEPAD (Luke Mumba)</a> , <a href="#">NACI (Mlungisi Cele)</a> , <a href="#">Industry (Mclean Sibanda)</a> , <a href="#">Academia (Mario Scerri)</a> , <a href="#">Social Entrepreneur (Bothale Tema)</a> Chair: <a href="#">Daan du Toit</a>
<b>13.00</b>	<b>Lunch break</b>
<b>14.00</b>	Speech: <b><a href="#">Hambani Masheleni (AUC, HRST)</a></b>
<b>14.20</b>	The Evolution of Academic Discourse and Policy Making on Innovation; Can Africa Learn without Practice? <b><a href="#">Bitrina Diyamett (STIPRO)</a></b>
<b>14.40</b>	Nigeria’s STI Policy and the Quest for Industrial Transformation: <b><a href="#">Willie Siyanbola (OAU)</a></b>
<b>15.00</b>	<b>Parallel Sessions</b> <u>Session 1: Research and Capacity Building for Transformative Change</u> Chair: <b><a href="#">Val Munsami (DST)</a></b> Provocateur: <b><a href="#">Chux Daniels (SPRU)</a></b> Rapporteur: <b><a href="#">Etim Offiong (George Washington University)</a></b> <hr/> <u>Session 2: Energy Security, Low Carbon Development and Transformative Change</u> Chair: <b><a href="#">Rob Byrne (SPRU)</a></b> Provocateur: <b><a href="#">Mr Isaac Salagae (DST)</a></b> Rapporteur: <b><a href="#">Blanche Ting (SPRU)</a></b> <hr/> <u>Session 3: Inclusive Innovation, the Informal Economy and Transformative Change</u> Chair: <b><a href="#">Nonhlanhla Mkhize (DST)</a></b> Provocateur: <b><a href="#">Elsie Onsongo (SPRU)</a></b> Rapporteur: <b><a href="#">Phumelele Higgins (DST)</a></b>
<b>16.30</b>	<b>Coffee/Tea break</b>
<b>16.45</b>	<b>Reporting results from parallel sessions: <a href="#">Mmampei Chaba (DST)</a></b>
<b>17.15</b>	<b>SPRU 50<sup>th</sup> Anniversary: <a href="#">Johan Schot (SPRU)</a></b>
<b>17.30</b>	<b>Closing remarks, vote of thanks: <a href="#">Daan du Toit (DST)</a> &amp; <a href="#">Johan Schot (SPRU)</a></b>
<b>18.00</b>	<b>Break</b>
<b>18.30</b>	<b>Conference dinner and networking</b>