

# AUSTRALIA AFRICA CONFERENCE

Promoting strategic engagement and partnership between  
government, academia and business

14 – 16 July 2014



2014

# Australia Africa Conference 2014 Report

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**Australia Africa Conference 2014: Promoting Strategic Engagement and  
Partnership between Government, Academia and Business**

**Executive Summary**

The Australia Africa Conference 2014: Promoting Strategic Engagement and Partnership between Government, Academia and Business was held in Canberra 14-16 July 2014.

The objective of the Conference was to build partnerships and teamwork; review progress of existing programs; and hold strategic workshops in the areas of Development, Education, and Food Security & Health that would identify research and exchange priorities for 2014-15.

Over 150 individuals participated in the Conference which was sponsored generously by the Australian Government and others who are listed in the program.

The recommendations of the Conference are presented in the Communique, and there are follow up actions in the development and funding of research projects that will be implemented in coming weeks.

This was the first time that the Heads of Mission, Australia Africa Business Council, the Australia Africa Universities Network, and the Crawford School joined forces as reported here. The proceedings were a significant success and laid the groundwork for further teamwork in the future.

**Organising Committee**

Botswana High Commissioner and Dean of the Africa Group of Ambassadors and High Commissioners, H.E. Mr. Molosiwa Selepeng

Nigeria High Commissioner, H.E. Mr. Ayoola Olukanni

Australia Africa Business Council (AABC-ACT Chapter) – Mr. Charles Millward

Australia Africa Business Council (AABC-NSW Chapter) – Mr. Roger Robillard

Australia Africa Universities Network (AAUN) – Professor John Hearn & Megan O’Callaghan

Australia National University (ANU) Crawford School of Public Policy – Dr. Daniel Connell

ANU Africa Student Association (ANUASA) – Mr. Lawrence Mutimbu

**Background**

The Africa-Australia Conference 2014 was developed from two previous initiatives. The Africa Update conference held last year, which in itself was a culmination of gradually growing ties between Africa and Australia in recent years; and the five Australian African Universities Network (AAUN) Fora held since 2011; two of them in Pretoria with the support of the Australian Government.

There are also other relevant initiatives. Australia has established itself as one of the primary sources of mining exploration in Africa which has led to the successful Africa Downunder Conference held every year in Perth. The Australia-Africa Conference, however, explores other areas than mining where Australia can successfully collaborate with African governments to create positive developmental outcomes.

**Promoters of the Conference**

**The Africa Group:** The 14 African Diplomatic Missions in Canberra, individually and as a corporate entity have played a vital role. These are: Algeria, Botswana, Egypt, Ethiopia, Ghana, Kenya, Libya, Mauritius, Morocco, Nigeria, South Africa, Tunisia, Uganda, and Zimbabwe

**The AAUN:** The AAUN is a consortium of 11 Australian universities, working with 9 African partner universities to (i) promote and encourage research and education collaboration and leadership in priority areas of food security, public health, higher education, mining and minerals, public sector reform; and (ii) mobilise Australian and African academics, research scientists, alumni and stakeholders to conduct research into major challenges facing both continents. Notably, the initial activities of the AAUN have

been supported by partner subscriptions and by the Australian Government with some support from the South African Government.

**The AABC:** The Australia Africa Business Council (AABC) is a voluntary association of business people with the purpose of promoting trade and investment links between Australia and Africa. The ACT chapter is particularly active and has hosted an 'Africa Update' conference annually in conjunction with the ANU & African Heads of Mission in Australia. Membership of the ACT chapter is spread across the Canberra business community, local and federal government officials and African Missions in Canberra. Thus, the ACT chapter, because of its unique access to the African diplomatic community, is well placed to comment on the deepening business relationship between Africa and Australia.

**The Crawford School, Australian National University:** The Crawford School is Australia's premier school of public policy offering post graduate degrees in a range of policy related disciplines. It trains large numbers of foreign students each year destined for senior posts in governments throughout the Asia Pacific and, increasingly, via the DFAT Africa Awards programme, in Africa.

### **Objectives and Outcomes**

The conference served as a forum to generate ideas and initiatives from government agencies, NGO's, the diplomatic corps, business and academia. The objective was to facilitate cooperation and information sharing between the continents and develop strategic partnerships and practical outcomes within the framework of Australia-African cooperation.

The Conference was not designed to be merely a networking and informational event. Concrete outcomes were envisaged, especially in the workshops. In that regard, the themes of the Conference were to:

- a. address gaps in existing policies with the objectives of proposing improvements or policy alternatives that can help to create investment friendly regulations and environment, to foster business partnership and exchange of knowledge.
- b. explore common priorities across Australia and African countries and identify priority programs and projects for taking strong partnerships forward.
- c. provide high-level African input into deliberations and sharpen the utility of policy and business initiatives that result from the conference.
- d. turn what are already very promising initiatives into a key component of Australia's ongoing involvement in Africa.
- e. raise awareness of Australia's contribution to Africa's economic and social development.
- f. demonstrate how Australian technology and skills in areas such as sustainable energy can contribute to development.
- g. provide a useful showcase for Australian know-how, both academic and business. The idea is that this know-how can be leveraged into concrete policy programmes and/or business initiatives as a result of the conference, attracting funding to achieve sustainability.
- h. identify sources of funding and venture capital for programmes, projects and proposals that may emerge from the Conference.

### **Thematic Focus and Guiding Principles**

The Conference focused on the following themes:

1. Managing a resource rich developing economy: Development models, Export Processing Zones and Dutch Disease.
2. Education, Science and Technology in Africa: Creating a synergy to generate jobs and create wealth.
3. Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets.

Proceedings at the Conference have catalysed some practical initiatives in relevant areas of each of the above-mentioned themes. Programmes and projects that emerge and will facilitate new networks, create of joint ventures and generally improve development cooperation between Australia and African countries.

The Conference was filmed and the video, as well as electronic copies of the proceedings will be made available to Ministries of Foreign Affairs in African countries. The Crawford School & the AAUN host Africa-Africa Conference webpages. This will continue after the Conference with other content being added.

### **Conference format**

The conference was held at the Crawford School at the Australian National University on Tuesday 15 and Wednesday 16 July 2014. The first day consisted of four plenary sessions. The first plenary comprised of keynote speakers from Australia and Africa who highlighted the priority areas for future cooperation between government, business and academia. The subsequent plenary sessions focused on each of the policy topics. Day two consisted of three separate full day workshops on each theme.

### **Speakers and Participants**

The involvement of high profile and influential Africans in the Conference added considerably to the profile of the conference in addition to providing crucial input. The representation from Africa ensured strong participation in selecting the concrete outcomes, policies and business initiatives arising from the Conference.

This Conference Report is intended to target and inform a wide range of participants across Australia and African countries, including:

- Africa Group of Ambassadors and High Commissioners of 14 Diplomatic Missions in Canberra.
- Business ranging from multinationals, individual entrepreneurs and consultants, including African Australians.
- Universities and other researchers including the 20 Universities of AAUN and their alumni.
- NGOs, small foundations and social enterprises, and UN support associations.
- Australia Africa Award fellows and other students.
- Government and government funded centres such as the Australian International Food Security Centre, the Australian Centre for International Agricultural Research, the Departments of Education and of Industry, and DFAT Australian Aid.
- Individuals in the public and private sectors interested on and/or working in Africa.

## Workshop Outcomes

### WORKSHOP: DEVELOPMENT STRATEGIES IN AFRICA: DEVELOPMENT MODELS, EXPORT PROCESSING ZONES & DUTCH DISEASE

#### GENERAL COMMENTS

1. **State intervention/adoption of development model** – South Africa – State Liberalization led to loss of labour intensive manufacturing industry. Exchange rate appreciations have led to further loss of certain industries e.g. Agriculture (cheaper to buy than produce).

OBSERVATION: State must intervene, but in what form?

- Industrial, tax Policies
- increase of capacity in already existing base/industries

2. **Special Economic Zones** – Mauritius - tried and not successful in other regions but successful in Mauritius. Established niche value adding industries with already existing skilled workforce.

OBSERVATIONS: Strategies already exist, but failure to implement

- working on existing base/comparative advantage to develop zones, but WTO commitments/agreements, possibly limiting Government interventions
- sustainability and ability for the specialised industries to evolve
- enablers for SEZ – infrastructure in place not just for production, but also for export (reliable electricity, roads etc...)
- Rationale for the adoption of SEZ model for economic development – is it right for Africa, what has changed

3. **External influences/globalisation** - South Africa – adoption of liberalized model influenced by external sources

Powerful influences external to individual countries

#### FOCUS AREAS FOR RESEARCH PROJECTS

1. **Assess private sector capacity**
  - -size of company e.g SMMs
  - -nature of entrepreneurship
  - -role of civil society in capacity building
2. **Scope of industrial policy in relation to SEZ**
  - -Regional integration and SEZ -Integration of industries within a region (beef production)
  - -Conditions under which SEZ may or may not work
  - -Infrastructure development and other enablers for SEZ
  - -strong trade and industrialisation policy
  - -funding to support SEZs
  - -Assessment of the capacity of the state to intervene
  - -What are Africa's niche products - inventory of assets
3. **Human Resource practices/requirements and entrepreneurship (country and regional)**

## **WORKSHOP: HEALTH, NUTRITION & FOOD SECURITY: OPTIMAL POLICIES TO IMPROVE AGRICULTURE PRODUCTION TO ENHANCE NUTRITION & FOOD SECURITY & HARNESSING EMERGING MARKETS**

### **GENERAL COMMENTS**

When Identifying projects in food security:

- Need to ensure value addition (Africa is crowded with donor funding in some countries)
- Strengthening policy design and planning
- Improving the relationship and working capacity of universities on both continents
- Strengthening policy design and planning
- Knowledge sharing
- Gender and youth
- Opportunities for co-funding
- south-south institution development
- Scalable projects for wide application
- Consultation with partner countries
- Identify comparative advantage
- Equal partnership

Areas of research interest:

- Waste (post-harvest; food storage)
- Water management and deforestation (nutrient- water management in a small holder environment).
- Small scale mechanisation – introducing new technologies.
- Community / family gardens and urban agriculture
- Malnutrition throughout the life course
- Climate change and variability
- Declining agro-biodiversity- genetically uniform varieties exacerbating risks arising from climatic variability and climate change.
- Need community engagement of local farmers research to determine needs and problems – especially in relation to women and the youth
- Land rights a major issue in Africa
- Integrated small farms and agri-business

### **FOCUS AREAS FOR RESEARCH PROJECTS**

- 1. An integrated agritechnology system**
  - Plants, livestock, legumes (diversity)
  - Post harvest loss
  - Business innovation (women, youth engagement)
- 2. Water management in small holdings**
  - Micro irrigation and conservation
  - Review international best practice
  - Water and energy stress
- 3. Malnutrition and obesity**
  - Child obesity, MCH
  - Adolescence and curriculum
  - Life course interventions

## EDUCATION, SCIENCE & TECHNOLOGY IN AFRICA: CREATING A SYNERGY TO GENERATE JOBS & CREATE WEALTH

### GENERAL COMMENTS

- Fundamental importance of education, science and technology for sustainable development in Africa
- Need to bridge gap between theory and education, and practice.
- Graduates must be able to customise what they learnt at university to address challenges facing African countries, and to succeed in business world.
- Importance of good education in maths, science and technology (especially so that African countries are driving new developments and discoveries).
- Gender issues: girl child and women need to be encouraged to pursue maths, science and technology, and support for women in academia.
- Need for gender-mainstreaming – for all projects to be gender sensitive
- Need to foster collaboration between African and Australian universities.
- Need to bridge gap between universities and business, and to foster commercialisation.
- Importance of (quality, accessible) technical and vocational education as a path out of poverty.

### FOCUS AREAS FOR RESEARCH PROJECTS

1. **Renewable energy project:** scoping study on small-scale renewable energy (undertaken with universities); prospect of later commercialisation
2. **Replicating Australian TAFE model:** explore prospect in African countries (possibly in partnership with business)
3. **Mapping existing collaborations between universities and business,** and Australian and African governments (including internships?), and identify opportunities for further commercialisation (lack of central source of information) or promotion (involving AABC and AAUN)
4. **Gaps between Australian education and development challenges that graduates encounter** (survey to identify gaps; case studies of successful customisation – incorporate into Australian teaching and publish in academic literature)
5. **Fund programs/pilot schemes by African alumni of Australian universities/African professionals in Australia (through APA)**

## AUSTRALIA AFRICA CONFERENCE 2014

### Communiqué

The Australia Africa Conference 2014 was held at the Crawford School of Public Policy, Australian National University, from 15-16 July 2014, with the theme, “**Promoting Strategic Engagement and Partnership between Government, Academia and Business.**” More than 150 participants attended the Conference, including representatives of government, diplomatic missions, universities, students, non-governmental organisations, businesses and private individual entrepreneurs from across Australia and Africa.

The Conference was jointly hosted by the African Diplomatic Corps in Canberra, the Australia Africa Universities Network (AAUN), the Australia Africa Business Council (NSW and ACT chapters) and the Crawford School at the Australian National University.

The Parliamentary Secretary to the Minister for Foreign Affairs, Senator the Honourable Brett Mason, and Professor Ernest Aryeetey, the Vice-Chancellor of the University of Ghana, addressed the Conference as Keynote Speakers. The Senator and the Professor both applauded the significant relationship between Australia and African countries and emphasised the importance for governments, researchers and businesses to share ideas and knowledge to engender such cooperation. Professor Samuel Makinda of Murdoch University, also an African, addressed the Conference Dinner as Keynote Speaker and delivered a presentation titled "International Knowledge Flows and Development in Africa: Why academics, governments and businesses should work together".

In addition, over 20 high profile speakers from Australia and Africa delivered presentations around three priority areas for future cooperation between Australia and Africa, and established the framework for identifying programs and policy interventions which can improve development cooperation in the targeted areas.

The key issues raised by the speakers and endorsed by participants recommended practical projects in relevant areas of each of the priority areas as follows:

1. Managing a Resource Rich Developing Economy: Development Models, Export Processing Zones and Dutch Disease -
  - a. Regulatory framework, skills and training to facilitate the development of SEZ's
  - b. identify multilateral sources of funding to develop a coherent SEZ strategy
  - c. Engage African regional groups, including the AU, for their support for a regional SEZ strategy
  - d. Engage major mining companies in Australia to gain their support for incorporating SEZ based manufacturers in their global supply chains.
2. Education, Science and Technology in Africa: Creating a synergy to generate jobs and create wealth -
  - a. scoping study on small-scale renewable energy
  - b. explore prospect of replicating an Australian TAFE model in African countries
  - c. mapping existing collaborations between African and Australian universities, business and governments

- d. survey to identify gaps between Australian education and development challenges that graduates encounter
  - e. establish African alumni/diaspora networks in conjunction with DFAT and government agencies.
3. Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets –
- a. An integrated agritechnology system, including plants, livestock, legumes (diversity), Post harvest loss, and Business innovation to engage women and employ young people.
  - b. Water management in small holdings, to focus on Micro irrigation and conservation, Review international best practice, and Water and energy stress
  - c. Malnutrition and obesity to examine Life course interventions, with an emphasis on Childhood and adolescent obesity, together with appropriate curriculum reform.
  - d. Develop practical Communications, including social media

In his Vote of Thanks at the conclusion of the Conference, the High Commissioner of Kenya, His Excellency Mr. Isaiya Kabira, commended all those involved in the Conference and said that the Conference was a very rewarding and important platform to facilitate discussions, learning, create joint ventures and generally improve development cooperation between Australia and African countries.

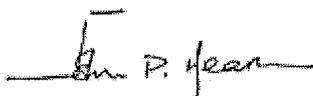
We, the Conference Hosts, are most grateful to the Australian Government and its agencies for its support to the Conference. We would like to thank all the sponsors who have generously supported the Conference. We also thank all the Speakers for their participation in the Conference. We appreciate the commitment of all the delegates in attending the Conference and the efforts involved in making presentations and contributing to discussions. This helps us to focus academic and business opportunities alongside national policies and to ensure that we are a team that contributes effectively to Australia's programs in international economic and education diplomacy.

We are delighted to advise that the response to the Conference has been overwhelmingly positive and attendees have uniformly complimented the high standard of the presentations and the topicality of the subject matter.

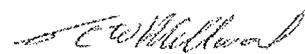
We are confident that this Conference which combined previous conference initiatives with separate academic and business thrusts has achieved its objectives and provides a workable platform to generate concrete initiatives to promote developmental outcomes in Africa. The agendas generated at this first Conference are a clear and promising indication for the future.



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# AUSTRALIA AFRICA CONFERENCE

Promoting strategic engagement and partnership between  
government, academia and business

14 – 16 July 2014



2014

# With thanks to our sponsors and partners



Australian  
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**Australian Government**

**Department of Foreign Affairs and Trade**

This event is sponsored by  
the Australian Government Department of Education

Dear Colleagues

## WELCOME LETTER

It is with great pleasure that we welcome you to this joint meeting of the *Australia Africa Conference 2014: Promoting strategic engagement and partnership between government, academia and business.*

The partners hosting this Conference have joined for the first time to provide a forum for the free exchange of ideas and knowledge, focusing around three key areas of equal collaboration between Australia and Africa.

As you have seen from the overview and the program, we have high hopes that the Conference will catalyze new projects and programs, initiate important research and business innovation, and lead to practical outcomes, so that we make significant progress in the coming years.

We are most grateful to the Australian Government and its agencies for its constant support. This helps us to focus academic and business opportunity alongside national policy and to ensure that we are a team that contributes effectively to Australia's programs in international economic and education diplomacy.

We wish you all a highly successful Conference and your continued participation in implementing the results.

Yours sincerely,

H.E. Molosiwa Selepeng PH (Presidential Order of Honour), High Commissioner for Botswana and Dean of the African Diplomatic Corps, Canberra

Mr. Charles Millward, President of the Australia Africa Business Council (ACT Chapter)

Prof. John Hearn, Chairman of the Australia Africa Universities Network ([aaun.edu.au](http://aaun.edu.au))

# AUSTRALIA AFRICA CONFERENCE 2014

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14 – 16 July 2014

**Monday 14 July 2014**

The Great Hall, University House

**1800-2000 Welcome Reception**

**Tuesday 15 July 2014**

Molonglo Theatre, Crawford School of Public Policy

**0830 Registration (Molonglo theatre foyer)**

**0900-0915 Conference Opening**

- Senator the Hon Brett Mason, Parliamentary Secretary to the Minister for Foreign Affairs

**0915-0930 Opening Plenary Session**

- Moderator: HE Mr Molosiwa Selepeng, High Commissioner of the Republic of Botswana and Dean of the African Heads of Mission in Australia
- Speaker 1: Mr Charles Millward, President of the Australia Africa Business Council (ACT Chapter)
- Speaker 2: Prof John Hearn, University of Sydney Medical School, Chairman of the Australia Africa Universities Network and Executive Director of the Worldwide Universities Network

**0930-0950 Keynote Presentation**

- Prof Ernest Aryeetey, Vice-Chancellor of the University of Ghana

**0950-1030 Q&A Session**

**1030-1100 Morning Tea (Canberry and Springbank room)**

**1100-1230 Panel Discussion One: Development Strategies in Africa: Development Models, Export Processing Zones and Dutch Disease**

- Moderator: Prof Ernest Aryeetey
- Speaker 1: Prof Bob Gregory, Professor of Economics, Australian National University
- Speaker 2: Mr Claude Baissac, President of the World Processing Zone Association (to be delivered by Charles Millward)
- Speaker 3: Mr Stephen Wilson, General Manager, Rio Tinto Energy
- Speaker 4: Mr Andrew Barnes, Director of the Southern Africa Section, the Department of Foreign Affairs and Trade

**1230-1330 Lunch (Canberry and Springbank room)**

**1330-1500 Panel Discussion Two: Education, Science and Technology in Africa: Creating a Synergy to generate jobs and create wealth**

- Moderator: H.E. Mr. Ayoola Olukanni, High Commissioner of Nigeria
- Speaker 1: Prof Cheryl de la Rey, Vice-Chancellor and Principal of the University of Pretoria
- Speaker 2: Ms Morgana Ryan, Director, Asia-Pacific for Accenture Development Partnerships
- Speaker 3: Dr Nathan Steggel, Chief Operating Officer, Windlab Systems
- Speaker 4: Mr Alastair Prior, Cloud Computing Regional Executive at IBM

**1500-1530 Afternoon Tea (Canberry and Springbank room)**

<b>1530-1700</b>	<b>Panel Discussion Three: Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets</b>
	<ul style="list-style-type: none"> <li>• Moderator: Prof John Hearn</li> <li>• Speaker 1: Mellissa Wood, Director of Australian International Food Security Centre (AIFSC)</li> <li>• Speaker 2: Prof George Magoha, Vice-Chancellor, University of Nairobi</li> <li>• Speaker 3: Dr Peter Johnston, Applied Climatologist at University of Cape Town</li> <li>• Speaker 4: Assoc Prof Inakwu Odeh, Department of Environmental Sciences, University of Sydney</li> </ul>
<b>1830-2100</b>	<b>Conference Dinner at The Great Hall, University House</b>
	<ul style="list-style-type: none"> <li>• Speaker: Prof Samuel Makinda, Murdoch University</li> </ul>

### Wednesday 16 July 2014

Molonglo Theatre, Crawford School of Public Policy

<b>0730-0850</b>	<b>AAUN Steering Group Meeting and AGM (AAUN Steering Group members &amp; invited guests only)</b>	
	The Drawing Room, University House	
<b>0830-0900</b>	<b>Student Forum: The Benefits of an Australian Education to Africa's economic and social development. (Light Breakfast available from 0800)</b>	
	Molonglo Theatre Foyer	
<b>0900-1230</b>	<b>Concurrent Workshops</b>	
	<b>Development Strategies in Africa: Development Models, Export Processing Zones and Dutch Disease</b> Chair: Professor Ernest Aryeetey Seminar Room 3	<b>Education, Science and Technology in Africa: Creating a Synergy to generate jobs and create wealth</b> Chair: H.E. Mr. Ayoola Olukanni Seminar Room 8
		<b>Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets</b> Chair: Prof John Hearn Seminar Room 9
<b>1230-1400</b>	<b>Lunch (Canberry and Springbank room)</b>	
<b>1400-1500</b>	<b>Closing Plenary Session</b>	
	<ul style="list-style-type: none"> <li>• Moderator: Dr Daniel Connell, Crawford School of Public Policy Prof Ernest Aryeetey; H.E. Mr. Ayoola Olukanni; Prof John Hearn</li> <li>• Speaker 1: Prof Ernest Aryeetey</li> <li>• Speaker 2: H.E. Mr. Ayoola Olukanni</li> <li>• Speaker 3: Prof John Hearn</li> <li>• Questions and Answers</li> </ul>	
<b>1505-1530</b>	<b>Final Remarks and Next Steps</b>	
	<ul style="list-style-type: none"> <li>• Mr Charles Millward and Prof John Hearn</li> </ul>	
<b>1530</b>	<b>Closing Comments and Vote of Thanks</b>	
	H.E. Mr Mohamed Mael-Ainin, Ambassador Morocco (TBC)	
<b>1540</b>	<b>Afternoon Tea (Canberry and Springbank room)</b>	
	End of Programme of Events	

# PROGRAMME OF EVENTS

## AUSTRALIA AFRICA CONFERENCE 2014:

PROMOTING STRATEGIC ENGAGEMENT AND PARTNERSHIP  
BETWEEN GOVERNMENT, ACADEMIA AND BUSINESS

14 – 16 JULY 2014

**MONDAY 14 JULY 2014**

**VENUE:** The Great Hall, University House

**18:00-20:00 WELCOME RECEPTION - SPONSORED BY THE AFRICA GROUP OF HIGH COMMISSIONERS AND AMBASSADORS AND THE AUSTRALIA AFRICA UNIVERSITIES NETWORK (AAUN)**

**Objective:** Hosted by the African Group of High Commissioners and Ambassadors in Canberra, this event will provide an opportunity to build new networks, renew old acquaintances and meet new friends. It is envisaged that that the reception will set the tone for the interaction between government, business and academia who will be interacting for the next few days. The programme for the event will include introductions and brief statements by the Conference partners; Africa Group, Australia Africa Business Council (AABC), (AAUN), and Department of Foreign Affairs and Trade.

**TUESDAY 15 JULY 2014**

**CONFERENCE VENUE:** Crawford School of Public Policy, Australian National University

### **8.30 REGISTRATION AND SEATING**

### **9:00 OPENING PLENARY SESSION**

**Objective:** The plenary session will be formal and will represent the overall objectives of the Conference. A range of experts from both continents will address the Plenary to inform participants of policy issues in their portfolio relevant to the themes of the Conference. Thus, participants will have an unparalleled opportunity to learn from Australia and Africa based policy makers about the existing and potential areas for enhancing cooperation between Australia and African countries.

Moderator: **H.E. Mr Molosiwa Selepeng**, High Commissioner of the Republic of Botswana and Dean of the African Heads of Mission in Australia. Mr Selepeng has a distinguished career in the Foreign Service since joining the Department of External Affairs of Botswana in 1971. He's served in London (twice) and Brussels. He's also served with distinction in other areas in the public service. Other appointments include Senior Private Secretary to the President, Permanent Secretary for Political Affairs, Permanent Secretary to the President, Head of the Public Service, Secretary to Cabinet, and Special Envoy in a number of multilateral negotiations. He has considerable experience in public administration, diplomacy, multilateralism, conflict resolution and the art of negotiation. He is the recipient of the Presidential Order of Honour (PH) in recognition of his efficient and devoted service to the Republic of Botswana. Mr. Selepeng was appointed High Commissioner of the Republic of Botswana to Australia in 2003. He is presently the Dean of the African Diplomatic Corps in Canberra.

### **WELCOME AND INTRODUCTIONS 5MIN**

#### **OPENING REMARKS**

- Mr. Charles Millward, President of the AABC (ACT Chapter). 3min
- Prof. John Hearn, University of Sydney Medical School, Chairman of the AAUN and Chief Executive of the Worldwide Universities Network (WUN).3min

### **9:15 KEYNOTE PRESENTATIONS**

- Senator the Hon Brett Mason, Parliamentary Secretary to the Minister for Foreign Affairs. 15-20 min
- Professor Ernest Aryeetey, Vice-Chancellor of the University of Ghana. 15-20 min

### **10:05 QUESTIONS AND ANSWERS 25MIN**

#### **VOTE OF THANKS**

### **10:30 MORNING TEA**

## 11:00 PANEL DISCUSSION ONE

### Development Strategies in Africa: Development Models, Export Processing Zones and Dutch Disease.

**Objective:** The session will look at the East Asian model and how Export Processing Zones (EPZs) contributed to stellar growth rates. The panel will also discuss industrialisation in a resource rich country and managing the Dutch Disease. Examples in Africa will be studied. Recent studies show that in recent decades resource rents in Africa have been squandered. So, the problems of development in a resource rich country will be examined. Of course, it was Australian economists who pioneered the study of Dutch Disease so this is particularly appropriate.

**Moderator: Prof Ernest Aryeetey,** Professor Ernest Aryeetey is the Vice-Chancellor of the University of Ghana and a non resident senior fellow with The Brookings Institution in Washington, D.C. where he was formerly the director of the Africa Growth Initiative (2009-2010). He has also been temporary lecturer at the School of Oriental and African Studies, University of London (1993); visiting professor at Yale University Department of Economics (1999); and the Cornell visiting professor, Department of Economics at Swarthmore College (2001-2002). He studied economics at the University of Ghana and obtained a Ph.D. at the University of Dortmund, Germany in 1985.

### WELCOME AND INTRODUCTIONS 3MIN

The discussion will include:

- **Prof Bob Gregory** is a Professor of Economics at the Australian National University. Prof. Gregory was the first economist in the world to systematically identify the economic issues associated with a booming resources sector. He has contributed substantially to the literature on the subject and is an authority on Dutch disease (10 minutes)
- **Mr Claude Baissac** is the President of the World Processing Zone Association (Johannesburg). Mr Baissac is a political risk consultant who assists mining companies in de-risking their investments in Africa. He is currently President of the World Processing Zone Association and consults extensively to the World Bank on implementing Special Economic Zones in Africa. Mr Charles Millward will deliver a paper on Mr Baissac's behalf. (10 minutes).
- **Mr Stephen Wilson,** General Manager, Rio Tinto Energy. Mr Wilson is an economist by training and is actively involved in the development of Rio Tinto's engagement strategy in the developing world (10 minutes).
- **Mr Andrew Barnes** is the Director of the Southern Africa Section in the Department of Foreign Affairs and Trade. Mr. Barnes and his team manage aspects of Australia's bilateral relationships (political, economic, development) in Southern Africa, and engagement with regional organisations such as SADC. He works with DFAT's Africa Missions to deliver Australia's aid program support to extractives governance across Southern, East, West and Central Africa. (10 minutes).

### QUESTIONS AND ANSWERS

### VOTE OF THANKS

### 12:30 LUNCH

## 13:30 PANEL DISCUSSION TWO

### Education, Science and Technology in Africa: Creating a Synergy to generate jobs and create wealth

**Objective:** The session will provide insight into the role of science and technology in innovation, sustainable energy and technology transfer; in particular opportunities for employment arising from the deployment of new technologies will be examined, including requirements for vocational education and contributions from business. Australia sees developing countries as important partners, markets and sources of talent and on that basis have established effective partnerships to deliver tangible business outcomes which bring a return in revenue, relationships, employment and enhanced living standards. Accordingly, the session will provide a platform for sharing of thoughts and experiences which can help identify potential areas for capacity building, technology transfer and business partnerships that can contribute to lowering the barriers in employment opportunities, access to technical training, sustainable energy development and technology transfer in African countries.

**Moderator: H.E. Mr. Ayoola Olukanni, High Commissioner of Nigeria.** Ambassador Olukanni is a career diplomat with over thirty years experience in the Nigerian Diplomatic Service. He's served in a variety of fields and senior positions in Brussels, New York, Tel Aviv, Nairobi and Vienna. He was appointed the High Commissioner of Nigeria in Australia in 2011, with concurrent accreditation to New Zealand, Fiji, PNG and Vanuatu. Ambassador Olukanni has considerable experience in the field of environment and sustainable development and negotiations of Multilateral Environment Agreements.

### WELCOME AND INTRODUCTIONS 3MIN

The discussion will include:

- **Prof Cheryl de la Rey**, Vice-Chancellor and Principal of the University of Pretoria. Her previous executive positions include Chief Executive Officer of the Council on Higher Education, Deputy Vice-Chancellor at the University of Cape Town and Executive Director at the National Research Foundation. Professor De la Rey is registered as a Psychologist by the Health Professions Council of South Africa, is a fellow of the Psychological Association of South Africa, a fellow of the Royal Society of South Africa and of the Academy of Science of South Africa. She is a member of the national Human Resource Development Council, the Council of the Association of Commonwealth Universities (ACU), International Council of Science's (ICSU) Strategy and Planning Committee, the Talloires Network, and she is the African Co-Chairperson of the Australia – Africa Universities Network (AAUN). (10 minutes).
- **Ms Morgana Ryan** is the Director-Asia Pacific for Accenture Development Partnerships. In addition to overseeing Accenture Development Partnerships' regional portfolio of work with more than 20 clients, she also provides strategic input and oversight for much of its work with international nongovernmental organizations in the strategy, organizational design and ICT for development areas. She has become increasingly involved in cross-sectoral partnerships in line with the growing convergence between business and development. (10 minutes).
- **Dr Nathan Steggel** is the Chief Operating Officer of the Canberra based Windlab Systems, a company focused on developing wind farms worldwide. The company uses a proprietary technology developed in Australia to calculate optimal setting for wind farms. Nathan was instrumental in forming a consortia in South Africa which have won two government tenders to develop massive windfarms in that country. (10 minutes).
- **Mr Alastair Prior** is the Cloud Computing Regional Executive at IBM. Alastair has been with IBM for 13 years, in Management, Finance and Sales leadership roles. He has had an Asia Pacific coverage role for 5 years, and was previously based in the UK. Alastair has also worked in the Defence Industry as the National Pricing Manager at Raytheon Australia. (10 minutes).

### QUESTIONS AND ANSWERS

### VOTE OF THANKS

### 15:00 AFTERNOON TEA

## 15:30 PANEL DISCUSSION THREE

### **Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets.**

**Objective:** The session will determine optimal governmental policy interventions in agriculture to maximise food output and ensure its distribution in such a way to provide food security to the population. The contribution of food security to good health outcomes will also be considered, as will the role of the private sector in achieving these outcomes.

**Moderator: Prof John Hearn**, Executive Director of the Worldwide Universities Network and Chair of the Australia Africa Universities Network. He is Professor of Reproductive Physiology in the School of Medical Sciences at the University of Sydney. He was awarded his PhD from the Australian National University (ANU) and served for 6-7 years each in leading research, teaching and administrative positions at the Universities of Edinburgh, London UCL, Wisconsin, ANU and Sydney. He was Vice President (Research) at ANU 2000-4, and Vice President (Academic and International) at University of Sydney 2004-13. He teaches first year and advanced students in science and biomedicine. He is a graduate of the Australian Institute of Company Directors.

### **WELCOME AND INTRODUCTIONS 3MIN**

The discussion will include:

- **Ms Mellissa Wood** is the Director of the Australian International Food Security Centre (AIFSC). Prior to this role, Mellissa worked with the Rome-based Global Crop Diversity Trust and in the Bureau of Rural Sciences within the Department of Agriculture, Fisheries and Forestry. Ms Wood has led scientific teams working on natural resource management issues, monitoring and sustainability reporting, the development of online tools for knowledge management, conservation agriculture and food security. She has partnered with international governments, the Australian Commonwealth and state governments, industry bodies and with national and international NGOs and farmer groups. She holds a BSc in Resource Environmental Management from the Australian National University.
- **Prof George A. O. Magoha** is the Vice-Chancellor, University of Nairobi. He is Professor of Surgery and a Consultant Urologist, College of Health Sciences, UoN. Magoha is the current President of the Association of Medical Councils of Africa (AMCOA). He is also the Chairman of the Kenya Medical Practitioners and Dentists Board (KMPDB) from 2009 to date and has been a member of the board from 1999. He has been Chairman of Kenya Association of Urological Surgeons (KAUS) from the year 1997 to 2013 and also the immediate former President of the Association of African Universities (AAU) where he served from 2011 to 2013. He has been a member of the AAU executive board from 2005 to date. Prof. Magoha has also been a commissioner in the Commission for Higher Education (CHE), currently, the Commission for University Education (CUE) from 2005 to 2013.
- **Dr Peter Johnston**, Applied Climatologist at University of Cape Town. Peter Johnston is a climate scientist at the University of Cape Town. His research focuses on the applications and impacts of climate variability and change on various user sectors. He specialises in agriculture and water related activities with special emphasis on vulnerability and adaptation options. He has worked closely with the Western Cape Government in developing a climate change vulnerability study and this was followed by a strategy and action plan. He is also involved in the African centre for cities looking at adaptation frameworks for both Cape Town and Johannesburg. His interests and involvements have taken him to many African countries to learn from and contribute to other water and agricultural adaptive practices to climate change and variability.

- **Assoc Prof Inakwu Odeh** is a Sesqui Associate Professor in Rural Spatial Information Systems in the Faculty of Agriculture and Environment, the University of Sydney. He is a graduate of the University of Ibadan, Ahmadu Bello University (both in Nigeria) and the University of Adelaide from where he obtained his PhD. Previously he was a Senior Research Fellow and Program Leader with the Australian Cotton Cooperative Research Centre (CRC) where he provided strong leadership in research by leading a major Program of the Centre. Based on his over 30 years research experience, working at varying scales from the farm to national levels, he has published over 80 refereed articles. As an active member of the International Society of Environmental Information Sciences, British Photogrammetric and Remote Sensing Society, British Soil Science Society, Australian Soil Science Society, and International Union of Soil Science, he has organized or was involved in organizing various national and international meetings. He was the Vice President and later President of Australian Soil Science Society (Inc.) New South Wales Branch (2008-2012). He is currently the Director of Hydrology and Geo-Information Sciences Laboratory at the University of Sydney.

## **QUESTIONS AND ANSWERS**

### **VOTE OF THANKS**

### **17:00 END OF SESSION**

### **18:30 FOR 19:00 CONFERENCE DINNER**

#### **The Great Hall, University House**

**Speaker: Prof Samuel Makinda:** Samuel M. Makinda is Professor of International Relations and Security Studies at Murdoch University, Perth, Australia. He previously served on the Australian Foreign Minister's National Consultative Committee for International Security Issues. He has been a Research Associate at the International Institute for Strategic Studies in London, a Guest Scholar at the Brookings Institution in Washington, DC, and a Senior Associate Member of St. Antony's College, University of Oxford. He is a former editor of the Nairobi-based Daily Nation newspaper.

#### **Presentation Title**

International Knowledge Flows and Development in Africa: Why academics, governments and businesses should work together

*The conference dinner is sponsored by Prof Quentin Grafton of the Crawford School of Public Policy, Australian National University.*

## WEDNESDAY 16 JULY 2014

### 07:30 – 08:50 AAUN STEERING GROUP MEETING & AAUN AGM

The AAUN Australian Steering Group Meeting, with invited guests from Africa will be held in the Drawing Room at University House. Breakfast will be available.

### 08:30 STUDENT FORUM: THE BENEFITS OF AN AUSTRALIAN EDUCATION TO AFRICA'S ECONOMIC AND SOCIAL DEVELOPMENT. (\*\*08:00 AM BREAKFAST WILL BE AVAILABLE)

**Objective:** The student forum is organised by the Australian National University African Students Association (ANUASA). Established in 2009, ANUASA is a pan-African student association comprising of African students and other associates at the Australian National University (ANU). The overarching objective of the association is to support a conducive environment of study and stay in Canberra for African students at the ANU. ANUASA also serves to accentuate the positive values and image of the African continent to the Australian public, and the Asia-Pacific region. Following the discussion, ANUASA will officially launch the *ANU Africa Network Blog*, which will form the cornerstone of a virtual Africa Institute.

#### Forum Panellists:

- **Floney Patame Kawaye**, a Malawian doing a PhD in Water Resources and Climate Change Management. She is an environmental conservation and protection advocate, and is also a producer and presenter of a Malawian radio program called "Zachilengedwe" (the environment);
- **Kirsty McLaren**, an Australia PhD student in Political Science at Crawford. She has also done work on Australian politics, and Indigenous perspectives in social science research;
- **Thomas Kaydor**, a Masters in Development Policy student at Crawford. He is a former assistant minister for Africa, Asia and the Pacific in Liberia. (TBC)

### 09:00 WORKSHOPS

**Objectives:** The workshops (expert group discussions) will be informal and interactive. Delegates representing academia-business-government will be pre-assigned to each workshop with a mix of viewpoints and experiences that will help to drive the discussions. In addition, each workshop will have a facilitator and recorder. Full participation of delegates from across Australia and African countries will add considerably to the profile of the conference and provide crucial input. The workshops will identify common priorities and recommend 2-3 research/education projects to be funded by AAUN partnership funds, matched by government and private sector funding. It is expected that the workshops on (i) Education, Science and Technology, and (ii) Health, Nutrition and Food Security will generate major following and interest; hence, two (2) projects will emerge from there. The AAUN already has a proven record in requesting priority proposals to be formulated and recommended by each workshop. These are developed further and considered in a competitive call for bids. The projects are implemented by the project teams with regular reporting and oversight from AAUN Central Office. The purpose in this conference is to include AABC in an academia-business-government teamwork.

## MORNING WORKSHOPS:

- **Development Strategies in Africa: Development Models, Export Processing Zones and Dutch Disease**  
Chair: Prof Ernest Aryeetey
- **Education, Science and Technology in Africa: Creating a Synergy to generate jobs and create wealth**  
Chair: H.E. Mr. Ayoola Olukanni, High Commissioner of Nigeria
- **Health, Nutrition and Food Security: optimal policies to improve agricultural production to enhance nutrition and food security and harnessing emerging markets**  
Chair: Prof John Hearn

(Note. 10:30-11:00 Morning Tea)

## 12:30 LUNCH

## 14:00 CLOSING PLENARY SESSION

**Objective:** The Rapporteurs will present the outcomes of the workshop for ten minutes (expert group discussions) to the Plenary. The purpose of the wrap up session will be to provide feedback to all conference participants on the conclusions of each workshop session and identify programmes of action to refine and develop these ideas into actionable initiatives to be implemented by project teams. The formation of bilateral (African/Australian) working groups is contemplated here which will identify a way forward to arrive at concrete policy recommendations. (30 minutes)

**Moderator: Dr. Daniel Connell**, Crawford School of Public Policy, ANU. Dr. Connell teaches and researches at the Australian National University, Crawford School of Public Policy. His research focuses on governance issues affecting rivers in federal systems such as Australia, Southern Africa, the United States, Europe, India, China and Brazil. Daniel also teaches courses dealing with the politics of trans-boundary rivers and environmental policy and communications. His publications include *Water Politics in the Murray Darling Basin* published in 2007 by Federation Press and *Basin Futures: water reform in the Murray-Darling Basin* co-edited with Quentin Grafton and published by ANU E-Press.

The Discussion will conclude with a focus on next steps, with input from:

- **Prof John Hearn**
- **Mr Charles Millward**

## QUESTIONS AND ANSWERS

## 15:30 CLOSING COMMENTS AND VOTE OF THANKS:

- **H.E. Mr Mohamed Mael-Ainin, Ambassador Morocco (TBC)**

## 15:40 AFTERNOON TEA

## END OF PROGRAMME OF EVENTS

# AUSTRALIA AFRICA CONFERENCE 2014

## PROMOTING STRATEGIC ENGAGEMENT AND PARTNERSHIP BETWEEN GOVERNMENT, ACADEMIA AND BUSINESS

**14 – 16 JULY 2014**

### **WORKSHOP BRIEF**

Objectives: The workshops will be informal and interactive. The group should identify priorities and recommend 2-3 research projects that might compete for seed funding from the AAUN Partnership Research & Development Fund (PRDF), matched by government and private sector funding.

The projects can be joined by AAUN members and other participants with the goal of fostering academia-business-government teamwork. Further information will be provided in August about the AAUN call for competitive proposals.

### **WORKSHOP AGENDA**

1. Welcome and introductory comments by workshop moderator.
2. Brief Introductions: participants outline their background, affiliation & areas of interest (1 minute per participant).
3. Panel Speakers (approx. 10 minutes each)
4. Expert participants (approx. 3 minutes each)
5. General discussion; focus on projects.
6. Round up of ideas and summation of projects (final 20 minutes)

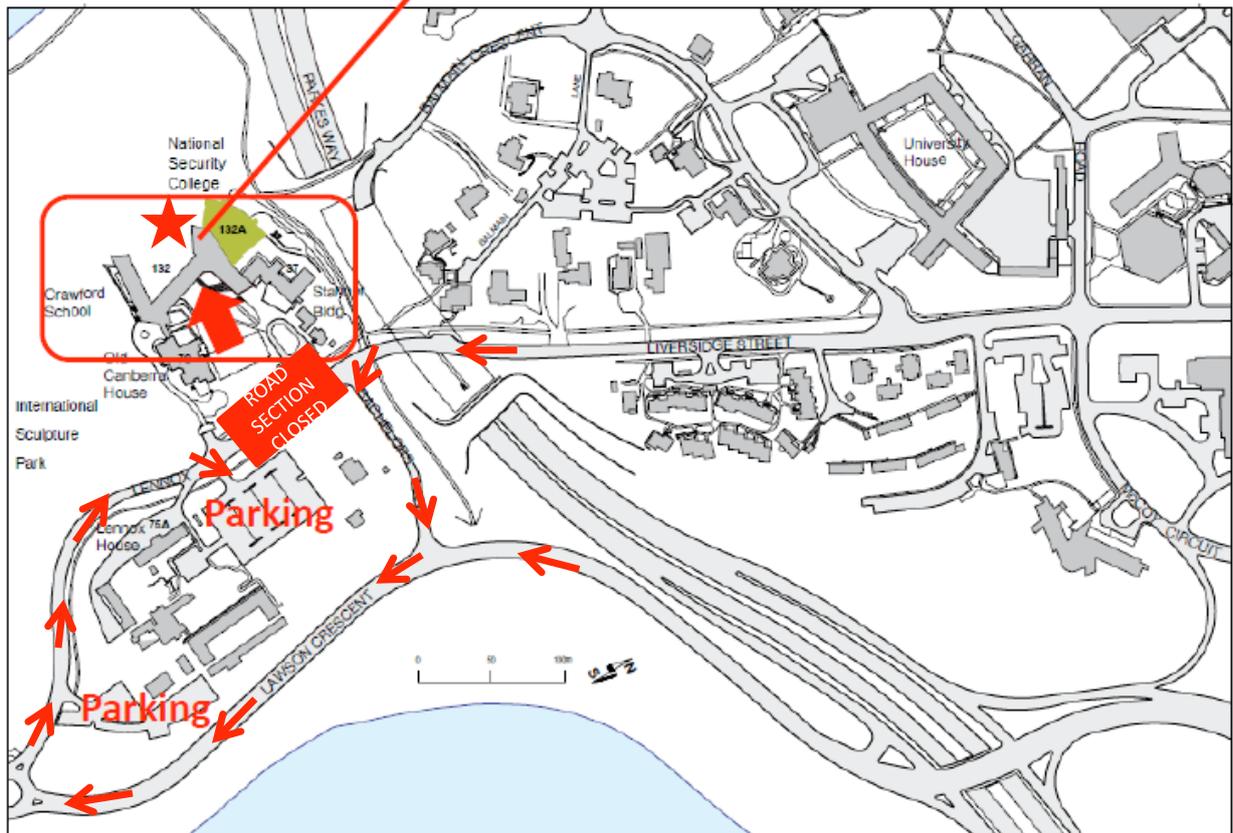
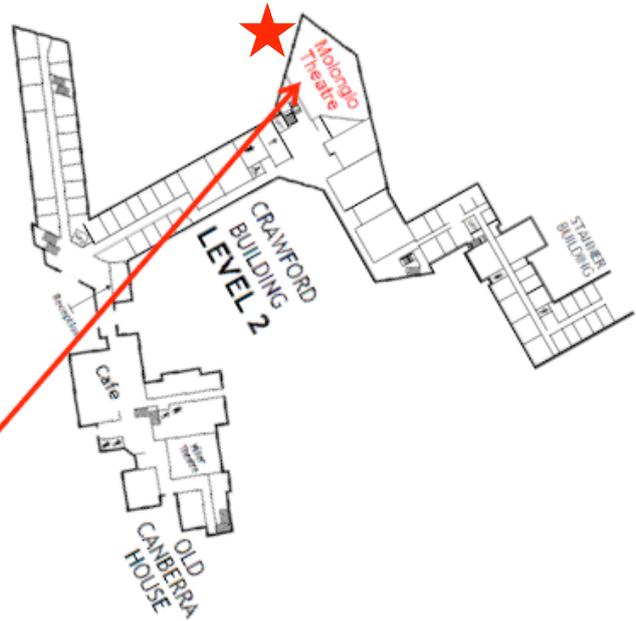
*\*10:30-11:00 Morning Tea\**



# DIRECTIONS FOR MOLONGLO THEATRE AT ANU



JG Crawford Building (#132)  
Lennox Crossing



Diversion in place for accessing PARKING on Lennox Crossing

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# DEVELOPMENT STRATEGIES IN AFRICA: DEVELOPMENT MODELS, EXPORT PROCESSING ZONES & DUTCH DISEASE



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## General Comments from Workshop

1. State intervention/adoption of development model – South Africa – State Liberalization led to loss of labour intensive manufacturing industry . Exchange rate appreciations have led to further loss of certain industries e.g . Agriculture (cheaper to buy than produce).

OBSERVATION: State must intervene, but in what form? -Industrial, tax Policies  
-increase of capacity in already existing base/industries

2. Special Economic Zones – Mauritius - tried and not successful in other regions but successful in Mauritius. Established niche value adding industries with already existing skilled workforce.

OBSERVATIONS: Strategies already exist, but failure to implement  
-working on existing base/comparative advantage to develop zones, but WTO commitments/agreements, possibly limiting Govt interventions  
-sustainability and ability for the specialised industries to evolve  
- enablers for SEZ – infrastructure in place not just for production, but also for export (reliable electricity, roads etc...)

-rationale for the adoption of SEZ model for economic development – is it right for Africa, what has changed

3. External influences/globalisation - South Africa – adoption of liberalized model influenced by external sources

OBSERVATION: Powerful influences external to individual countries

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# Focus Areas/ Priority Projects for 2014/15

*Enter here 3-5 potential PRDF projects/ project areas outlined during this workshop that AAUN members can focus on between May 2014 -April 2015:*

### 1. Asses private sector capacity

- size of company e.g SMMEs
- nature of entrepreneurship
- role of civil society in capacity building

### 2. Scope of industrial policy in relation to SEZ

- Regional integration and SEZ -Integration of industries within a region (beef production)
- Conditions under which SEZ may or may not work
- Infrastructure development and other enablers for SEZ
- strong trade and industrialisation policy
- funding to support SEZs
- Assessment of the capacity of the state to intervene
- What are Africa's niche products - inventory of assets

### 3. Human Resource practices/requirements and entrepreneurship (country and regional)

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# Action Plan & Outcomes

*For each of the potential PRDF projects/ project areas identified, briefly outline the main activities and anticipated outcomes that the PRDF group will undertake between May 2014 -April 2015*

1.Study of HR Requirements – Dr. Appollo Nsubunga-Kyobe, Rashidi Sumaili

-Sub-study: Nature of African Entrepreneurship – Dr. Appollo Nsubunga-Kyobe

-Question:

-Start date:

-Collaborations:

2.Scope of Industrial Policy in relation to SEZ – Dr. Emmanuel Laryea, Stephen Wilson, Stephanie Mbombo, Charles Millward

-Sub-study: Conditions for SEZ with a focus on legal frameworks - Dr. Emmanuel Laryea

-Sub-study: Regional Integration issues – Babatunde Fasheun and Charles Millward

-Question:

-Start date:

-Collaborations:

3.Assessment of Private Sector Capacity – Roger

-Question:

-Start date:

-Collaborations

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# Budget

*Briefly outline how you will spend up to \$ AUD 15,000 on each potential PRDF project:*

*- Challenges in the success of SEZ in Africa :*

*1.A lack of a clear industrial policy*

*2.A lack of resources to operationalise the SEZ*

*3.A weak or ambiguous regulatory framework in the SEZ*

*4.Small markets as a result of individual state development of SEZ's*

*The goal of the budget will be to develop a joint approach between government, business and academia to address some of these gaps.*

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# Budget Continued...

*An initial budget will be spent on:*

*a. Engaging government agencies in Australia for the provision of the necessary regulatory skill and training to facilitate the development of SEZ's*

*b. Engage multilateral funding agencies to elicit their support in developing a coherent SEZ strategy*

*c. Engage the various African regional groupings, including the AU, to gain their support for regional SEZ strategy*

*d. Engage major mining companies in Australia to gain their support for incorporating SEZ based manufacturers in their global supply chains.*

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### PRDF Member sign up

*Are the right people on the PRDF Project? Is an appropriate mix of expertise, member representation and gender reflected? List the membership of each PRDF Group here.*

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**HEALTH, NUTRITION & FOOD SECURITY: OPTIMAL POLICIES TO  
IMPROVE AGRICULTURE PRODUCTION TO ENHANCE NUTRITION & FOOD  
SECURITY & HARNESSING EMERGING MARKETS**



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## General Comments from Workshop

- Identifying projects in food security:
  - ◆ Need to ensure value addition (Africa is crowded with donor funding in some countries)
  - ◆ Strengthening policy design and planning
  - ◆ Improving the relationship and working capacity of universities on both continents
  - ◆ Strengthening policy design and planning
  - ◆ Knowledge sharing
  - ◆ Gender and youth
  - ◆ Opportunities for co-funding
  - ◆ south-south institution development
  - ◆ Scalable projects for wide application
  - ◆ Consultation with partner countries
  - ◆ Identify comparative advantage
  - ◆ Equal partnership

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## General Comments from Workshop

- Waste (post-harvest; food storage)
- Water management and deforestation (nutrient- water management in a small holder environment).
- Small scale mechanisation – introducing new technologies.
- Community / family gardens and urban agriculture
- Malnutrition throughout the life course
- Climate change and variability
- Declining agro-biodiversity- genetically uniform varieties exacerbating risks arising from climatic variability and climate change.
- Need community engagement of local farmers research to determine needs and problems – especially in relation to women and the youth
- Land rights a major issue in Africa
- Integrated small farms and agri-business

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## Focus Areas/ Priority Projects for 2014/15

*Enter here 3-5 potential PRDF projects/ project areas outlined during this workshop that AAUN members can focus on between May 2014 -April 2015:*

- An integrated agritechnology system
  - Plants, livestock, legumes (diversity)
  - Post harvest loss
  - Business innovation (women, youth engagement)
- Water management in small holdings
  - Micro irrigation and conservation
  - Review international best practice
  - Water and energy stress
- Malnutrition and obesity
  - Child obesity, MCH
  - Adolescence and curriculum
  - Life course interventions

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### Focus Areas/ Priority Projects for 2014/15

*Enter here 3-5 potential PRDF projects/ project areas outlined during this workshop that AAUN members can focus on between May 2014 -April 2015:*

- General
  - Climate Change framework
  - Communication, including social media
  - Explore funding agencies for next steps
- Outcomes
  - Position papers, calls for projects, expert teams

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# EDUCATION, SCIENCE & TECHNOLOGY IN AFRICA: CREATING A SYNERGY TO GENERATE JOBS & CREATE WEALTH



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### **General Comments from Workshop:**

- **Fundamental importance of education, science and technology for sustainable development in Africa**
- **Need to bridge gap between theory and education, and practice.**
- **Graduates must be able to customise what they learnt at university to address challenges facing African countries, and to succeed in business world.**
- **Importance of good education in maths, science and technology (especially so that African countries are driving new developments and discoveries).**

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### **General Comments from Workshop (2):**

- **Gender issues: girl child and women need to be encouraged to pursue maths, science and technology, and support for women in academia.**
- **Need for gender-mainstreaming – for all projects to be gender sensitive**
- **Need to foster collaboration between African and Australian universities.**
- **Need to bridge gap between universities and business, and to foster commercialisation.**
- **Importance of (quality, accessible) technical and vocational education as a path out of poverty.**

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# **Focus Areas/ Priority Projects for 2014/15**

- 1. Renewable energy project:** scoping study on small-scale renewable energy (undertaken with universities); prospect of later commercialisation
- 2. Replicating Australian TAFE model:** explore prospect in African countries (possibly in partnership with business)
- 3. Mapping existing collaborations** between universities and business, and Australian and African governments (including internships?), and identify opportunities for further commercialisation (lack of central source of information) or promotion (involving AABC and AAUN)
- 4. Gaps between Australian education and development challenges** that graduates encounter (survey to identify gaps; case studies of successful customisation – incorporate into Australian teaching and publish in academic literature)
- 5. Fund programs/pilot schemes by African alumni of Australian universities/African professionals in Australia (through APA)**

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### Action Plan & Outcomes

*For each of the potential PRDF projects/ project areas identified, briefly outline the main activities and anticipated outcomes that the PRDF group will undertake between May 2014 -April 2015*

**Project 1: Renewable energy project: scoping study on small-scale renewable energy (undertaken with universities); prospect of later commercialisation**

- **Action: fund a student/students, mentored by a practitioner (e.g. Windlab), with support of an Australian university (e.g. ANU; Stellenbosch) and an African university**
- **Outcome: pilot report, with recommendations for scaling up and implementing similar projects elsewhere**
- **Outcome 2: enhanced partnerships between universities and businesses**

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# Action Plan & Outcomes

**Project 2: Explore prospect for replicating Australian TAFE model in African countries (possibly in partnership with business) – *May be ready to be implemented in an industry partnership?***

- **Action: provide Australian Registered Training Organisations the opportunity to offer technical courses in partnership with African counterparts (incl. universities or private sector) to fill the technical/vocational training gaps**
- **Outcome: practical establishment of vocational training schools**
- **Action 2: provide private and public sector companies (e.g. companies with CSR obligations) with opportunities for ready-to go areas for social-corporate investment (eg. maths tutoring)**
- **Action 3: program should be gender-sensitive, with special attention to encouraging girl child to pursue maths and science and technology**
- **Outcome 2: access to learning tools (e.g. Maths Buddy) to benefit maths, science and technology education in needy communities**

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### **Action Plan & Outcomes**

**Project 3: Map existing collaborations between universities and/or businesses, and/or Australian and African governments (including internships?), and identify opportunities for further commercialisation or promotion (involving AABC and AAUN)**

- Action: desktop survey of existing resources, contacting universities and business/industry groups and governments; develop a pilot incubator scheme against the background of its potential for commercialisation**
- Outcome: report and web-published database**

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# **Action Plan & Outcomes**

**Project 4: Examine gaps between Australian education/theory and practice, especially with regard to development challenges that graduates encounter (survey to identify gaps; case studies of successful customisation – incorporate into Australian teaching and publish in academic literature)**

- **Action 1: build on DFAT knowledge, and undertake in cooperation with DFAT a survey of African alumni (of Australian universities or members of African Professionals in Australia), about skills gaps that they may have experienced;**
- **Action cont.: Identify soft skills, attributes that are important**
- **Outcome: develop curriculum resources that address these skills gaps (eg. entrepreneur skills)**
- **Action 2: identify cases where graduates have been engaged in successful innovation and customization of what they have learnt; research on those case studies; develop case study reports**
- **Outcome: Case studies packaged for teaching and disseminated; case studies contribute to international scholarly literature, raising profile of African-based scholarly knowledge**

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### Action Plan & Outcomes

*For each of the potential PRDF projects/ project areas identified, briefly outline the main activities and anticipated outcomes that the PRDF group will undertake between May 2014 -April 2015*

#### **Project 5: Funding for programs/pilot schemes by African alumni of Australian universities and African professionals (through APA)**

- **Action: identify innovative project proposals by African alumni**
- **Outcome: fund innovative projects that support development**
  
- **Action 2: identify relevant areas for research proposals on innovations in field of science, technology and sustainable development**
- **Outcome: lead to future research on Africa, dovetails with Project 4.**

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### **Budget**

*Briefly outline how you will spend up to \$ AUD 15,000 on each potential PRDF project:*

**Each project will require:**

- **Preliminary studies/surveys**
- **Human resources**
- **Logistics**
- **Equipment**
- **Evaluation**
- **Report, recommendations for scaling up/commercialisation  
partnerships and sustainability.**

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### **Budget (2)**

*Briefly outline how you will spend up to \$ AUD 15,000 on each potential PRDF project:*

**Example of funding required:**

**Project 5 – funding projects by African alumni:**

**For example sustainable environmental advocacy in Malawi**

- **Field officers; logistics, transportation, accommodation; equipment; evaluation**
- **Approx. \$15,000, details to come**
- **Assessment of implementation and impact of pilot project, to be able to use to seek further funding support (e.g. Gates Foundation, Ford Foundation)**

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### **PRDF Member sign up**

*Are the right people on the PRDF Project? Is an appropriate mix of expertise, member representation and gender reflected? List the membership of each PRDF Group here.*

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**Diverse group (including business, university and government representatives), incl.:**

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Romeela Mohee

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