

## Appendix C

### The ASADI Review Data Catalogue

This catalogue lists material made available to the review panel from a range of sources, as well as material generated by the panel itself, and the dates this information was received.

#### I. Information Provided by USNAS Staff

##### A. Interactions with ASADI Board Members and Staff

The review panel interacted with the ASADI board and staff a number of times over the course of the review. For example, the chair and director of the ASADI board spent several hours with the review panel at its first meeting in London in January 2014. Other USNAS staff involved with ASADI joined that meeting by videoconference. The ASADI staff also held several teleconferences with review panel members and secretariat as they prepared for the site visits. The ASADI staff was always available to answer questions and provide information requested by the panel.

1. Dr Enriqueta C. Bond, Chair, ASADI Board and President Emeritus, Burroughs Wellcome Fund
2. Dr Patrick Kelley, Director, ASADI Board
3. Dr Lauren Alexander Augustine, ASADI Liaison to the Nigerian Academy of Science
4. Ms Patricia Cuff, ASADI Liaison to the Uganda National Academy of Sciences
5. Mr Jim Banihashemi, ASADI Financial Officer
6. Mr Christian Acemah, ASADI Director for Strategy and Program Development
7. Ms Angela Christian, ASADI Program Associate
8. Mr William Kearney, ASADI Director of Media Relations
9. Dr John Boright, Director of International Affairs, USNAS

##### B. General Information

Original 2003 ASADI proposal submitted by USNAS to Gates Foundation

The funded ASADI proposal

Annual reports to the Gates Foundation from 2005-2013

Updated register with key contact person for each of the ASADI academies

ASADI program midterm evaluation report

List of publications by each ASADI partner as collated by USNAS

ASADI/ AMASA conference learning collaborative agendas (2005-2012)

ASADI Board meeting agendas (2007-2012)

Academy governance training agendas

Academy staff training agendas

ASADI brochure 2008: progress and promise

Number of African scientists on IOM project committees- a chart

List of non-Gates Foundation donors of ASADI activities (2008-2012)

Updated list of representatives of Academies at the AMASA 9 meeting in Addis Ababa

Presentation to the ASADI Board on the program's achievements in 2013- presented at the Addis Ababa meeting

AMASA 10 plan of action- presentation by Prof Paul Mugambi at AMASA 9

Presentation of ASADI program to review committee in January 2014 at the London committee meeting

Nigeria, Cameroon, Uganda, Ethiopia and South Africa chronologies

**C. Link to ASADI information (general and training material) on the National Academies website ([http://www.nationalacademies.org/asadi/reference\\_materials.html](http://www.nationalacademies.org/asadi/reference_materials.html))**

This repository contains the following information:

1. Academy Purpose and Function
  - Overview of Science Academies
  - Overview of the Academy of Science of South Africa
  - Overview of the Kenya National Academy of Science
  - Overview of the Nigerian Academy of Science
  - Overview of the Uganda National Academy of Science
  - Overview of the United States National Academies
  - Group Activity Academy Overview
    - Science Academies Questions
    - Science Academies Answers
2. Strategic Considerations for Academies
  - Different Types of Academies
  - Implications of the Advisory Role for Science Academies
  - Perspectives from Service and Honorific Academies
    - A Perspective from a UK Academy
    - A Perspective from the Royal Society of Canada
    - A Perspective from the Institute of Medicine
  - Strategic Planning
    - KNAS Strategic Plan
    - EAS Strategic Plan
  - Financial Structure of Academies
  - Governance Structures of Academies
  - Role of Academy Staff
  - Role of Academy Members and Leadership
    - The Power of Partnership-Academy Members and Staff
    - Oversight Role of Council
  - Types of Academy Policies
  - Administration of Academies
  - Communication and Outreach Activities of Academies
3. Programmatic Activity for Academies with A Policy Advising Portfolio
  - Academy Staff Roles in Policy Advising Activities
    - Roles and Goals of Staff
  - Group Activity - Staff Roles
  - Generic Training for Staff
    - Financial Management
      - Academy Cost Management
      - Financial Management
    - Management Techniques
    - Research Tools
      - Reference Management Applications
      - Virtual Research Library
4. Project Initiation
  - Developing Statements of Tasks Proposals
  - Proposal Writing Fundraising
  - Group Activity

- Sample Statement of Task
- Malawi Case Study - Development of a work plan
- Composing Committees
  - Composing Managing Committees
  - Group Activity
    - BCOI Form
    - Sample CVs
    - CVs received
- Workshops and Convening Activities
  - Conducting Effective Workshops
  - Group Activity - Workshop Workplan
- Consensus Activities
  - Group Activity - Consensus Study Workplan
  - Report Review Process
  - Report Review at NRC
  - Sample Response to Review Memo
- Dissemination and Communication of Academy Products
  - BASAD - Communication and Products
  - Engaging the Media
  - Policymakers' booklets
  - Report Dissemination
- 5. Financial Administration of Academies
  - Proposal Writing Fundraising
  - Understanding the Terms of Your Agreement (Video)
- 6. Organizing Annual Meetings - Sharing Experiences
  - Experiences Sharing - ASADI Annual Meetings
- 7. ASADI Training material:
  - Leadership summit 2008
  - US training - 2007 program officers
  - Uganda program staff training - 2008
  - US program staff training - 2009

**D. ASADI financial expenditure information- project summary and expected project expenditure for the remainder of the program**

Nigeria

- Analysis chart of NAS expenses
- Year 1-7 budgets
- Annual meeting budget (2008)
- Annual workplans (2006-2012)

Cameroon

- 2011/2012 financial report
- Anti-malarial drug resistance budget
- Nutrition project budget
- Onchocerciasis control study budget

Uganda

- Analysis chart of UNAS expenses
- Year 1-10 budgets
- UNAS individual activities budgets

Ethiopia

- Annual meeting budget 2013

Grant 1-3 allocation budgets (50k, 50k and 100k)

Nutrition and agriculture budget

South Africa

Year 1-6 budgets

Annual meeting budget 2010

Funding sources report 2011

## **II. Information Provided by the ASADI Supported Academies**

A. AMASA 9 presentations from academies in Senegal, South Africa, Ethiopia, Cameroon, Uganda, Ghana, Kenya and Nigeria. The presentations focused on the following key areas:

The history and mission of your academy and its official status

The evolution in membership and governance

Relations with the national government

The position of your academy in the national policy advisory space (who else is involved with providing science advice?)

The physical, information management, financial management, and human resource status of your academy

The role of your academy as a convener and advisor

The recognition of your academy as an authoritative, independent voice that needs to be heard

The financial sustainability of your academy's policy advising role (what is your business model going forward?)

Uganda- Academy evolution table presented at Addis Ababa meeting for evaluators

B. Nigeria

Completed academy evolution table

Completed questionnaires 1 and 2

Site visit program with list of interviewees

List of publications

Sources of income raw data and graphs from commencement of ASADI program to 2013/2014

Raw data on how ASADI finances were spent by the Academy

C. Cameroon

Completed academy evolution table

Completed questionnaires 1 and 2

Site visit program with list of interviewees

List of publications

Sources of income raw data and graphs from commencement of ASADI program to 2013/2014

Raw data on how ASADI finances were spent by the Academy

D. Uganda

Completed academy evolution table

Completed questionnaires 1 and 2

Site visit program with list of interviewees

List of publications

Sources of income raw data and graphs from commencement of ASADI program to 2014

Raw data on how ASADI finances were spent by the Academy

E. Ethiopia

Completed academy evolution table

Completed questionnaires 1 and 2

Site visit program with list of interviewees

List of publications

Sources of income raw data and graphs from commencement of ASADI program to 2013/2014

Raw data on how ASADI finances were spent by the Academy

#### F. South Africa

Completed academy evolution table

Completed questionnaires 1 and 2

Site visit program with list of interviewees

List of publications

Sources of income raw data and graphs from commencement of ASADI program to 2013/2014

Raw data on how ASADI finances were spent by the Academy

#### G. Hard copy publications by all five academies

### III. Interviews Conducted, Briefings and Consultations

#### A. Academy Stakeholders

##### Nigeria

Nigerian Academy of Science Former and Current Council members

Nigerian Academy of Science Fellows

Nigerian Academy of Science secretariat management

Nigerian Academy of Science secretariat staff

Lagos State Ministry of Health

Federal Institute of Industrial Research

Federal Ministry of Health

Nigerian Universities Commission

Save the Children

Health Reform Foundation of Nigeria

Nigerian Young Academy

##### Cameroon

Cameroon Academy of Science Executive Committee

Cameroon Academy of Science Members

Cameroon Academy of Science secretariat management

Cameroon Academy of Science secretariat staff

L'Institut de Recherches Médicale et d'Etudes des Plantes Médicinales (IMPM)

Ministry of Public Health (MINSANTE)

The Fobang Foundation

Institute of Agricultural Research for Development (IRAD)

Ministère de l'Agriculture et du Développement Rural (MINADER)

Ministry of Scientific Research and Innovation (MINRESI)

Institute for Geological and Mining Research (IRGM)

##### Uganda

Uganda National Academy of Sciences Former and Current Executive Committee

Uganda National Academy of Sciences Fellows

Uganda National Academy of Sciences secretariat management

Uganda National Academy of Sciences secretariat staff

Ministry of Finance, Planning & Economic Development

Parliamentary Committee on Science and Technology

Ministry of Health

Ministry of Education and Sports

Uganda AIDS Commission

Uganda National Council of Science & Technology (UNCST)

##### Ethiopia

Ethiopian Academy of Sciences Board

Ethiopian Academy of Sciences Fellows  
Ethiopian Academy of Sciences secretariat management  
Ethiopian Academy of Sciences secretariat staff  
Ministry of Science and Technology  
Office of the Prime Minister  
Agricultural Transformation Agency (ATA)  
Addis Ababa University (AAU)  
Ministry of Agriculture  
Ethiopian Institute of Agricultural Research (EIAR)  
Addis Ababa University Youth Science Forum  
Ethiopian Biodiversity Institute  
MH Consult- an Engineering firm

#### South Africa

Academy of Science of South Africa Former and Current Council Members  
Academy of Science of South Africa Members  
Academy of Science of South Africa secretariat management  
Academy of Science of South Africa former and current secretariat staff  
Science journalist  
SANLAM, a private sector company  
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)  
Embassy of the Federal Republic of Germany in South Africa  
Embassy of the Republic of France in South Africa  
National Research Foundation  
South African Young Academy of Science  
Department of Science and Technology  
Department of Home Affairs

#### B. Non-Academy stakeholders

1. Dr Abdul Hakim Elwaer, Director of Human Resources, Science and Technology, African Union Commission
2. Professor Bruce Alberts- Former President, US National Academy of Sciences
3. Ms Jackie Olang, Executive Director, Network of African Science Academies
4. Dr Matt Hanson- The Gates Foundation
5. Dr Sally Stansfield- Former Gates Foundation staff
6. Professor Robin Crewe- Former President, Academy of Science of South Africa and Network of African Science Academies
7. Dr Barney Cohen- Former US National Academies staff
8. Professor Lamine Ndiaye- Former President, African Academy of Sciences
9. Professor Mohamed Hassan- Former President, African Academy of Sciences and NASAC, Co-chair IAP—The Global Network of Science Academies

#### **IV. Information Generated by the Review Panel**

Minutes of Panel meetings in Addis Ababa, London and Pretoria  
Proposal for the process (methodology) to be used for the evaluation  
Minutes of Panel teleconferences  
Nigeria, Cameroon, Uganda, Ethiopia, and South Africa site visit reports and summaries  
Questionnaires and interview schedules

## V. Information from Other Sources

- NASAC Stakeholder interview schedule- NASAC Dutch funding review  
NASAC Dutch funding end term evaluation report  
Article on science advocacy on SciDev.Net <http://www.scidev.net/global/journalism/feature/uk-science-media-centre-lambasted-for-pushing-corporate-science.html>  
Article on Academies' lobbying on SciDev.Net <http://www.scidev.net/global/communication/analysis-blog/africa-analysis-when-science-academies-should-lobby.html>  
Blogposts from ASADI VI meeting in South Africa  
<http://scidevnet.wordpress.com/category/africa-science-academy-conference-asadi-2010/page/2/>  
Nature editorial: Africa's academies: Robust scientific institutions won't be built in a day  
<http://www.nature.com/nature/journal/v450/n7171/full/450762a.html>  
Nature story: African academies show how science can save lives  
<http://www.nature.com/news/2009/091109/full/news.2009.1074.html>  
Example of a video by US National Academies presidents that has been shown at opening of annual conferences and disseminated online: <http://www.youtube.com/watch?v=Sa-3sOip3BQ>  
Article by Richard Mallet: Beyond Stuff: Capacity as a Relational Concept  
<http://blogs.worldbank.org/futuredevelopment/beyond-stuff-capacity-relational-concept>  
Guide to Evaluating Capacity Development Results: A collection of guidance notes to help development practitioners and evaluators assess capacity development efforts  
[https://wbi.worldbank.org/wbi/Data/wbi/wbicms/files/drupal-acquia/wbi/Guide%20to%20Evaluating%20Capacity%20Development%20Results\\_0.pdf](https://wbi.worldbank.org/wbi/Data/wbi/wbicms/files/drupal-acquia/wbi/Guide%20to%20Evaluating%20Capacity%20Development%20Results_0.pdf)  
Capacity Building in Africa: An OED Evaluation of World Bank Support  
<https://openknowledge.worldbank.org/handle/10986/7468>  
Inventing a Better Future: A Strategy for Building Worldwide Capacities in Science and Technology  
<http://www.interacademycouncil.net/File.aspx?id=27016>  
Knowledge, Networks and Nations: Global scientific collaboration in the 21st Century  
[https://royalsociety.org/~media/Royal\\_Society\\_Content/policy/publications/2011/4294976134.pdf](https://royalsociety.org/~media/Royal_Society_Content/policy/publications/2011/4294976134.pdf)  
World Social Science Report 2010: Knowledge Divides  
<http://unesdoc.unesco.org/images/0018/001883/188333e.pdf#page=120>