Strengthening Pharmaceutical Innovation in Africa

Summary and recommendations

Against the background of recent African and international intergovernmental agreements, Declarations and initiatives¹ – on health research, medicines access and production – a special meeting of the African Union’s Extended Technical Committee on the Pharmaceutical Manufacturing Plan for Africa convened in Pretoria, South Africa, on February 18-20, 2010.

This meeting was held to consider the results of the study on Strengthening Pharmaceutical Innovation in Africa done jointly by COHRED and NEPAD, with contributions from the George Institute for International Health. The study provided the first practical tool to operationalise global and African strategies to improve access to essential medicines.

The meeting was organised by NEPAD – the New Partnership for Africa’s Development, the African Union and the Council on Health Research for Development (COHRED) with support from The Netherlands Ministry of Foreign Affairs and the Swiss Agency for Development and Cooperation, and was hosted by the Ministry of Science & Technology of the Republic of South Africa.

Access to medicines: Africa’s problems and challenges

The meeting addressed the problems and challenges faced by African countries in their quest to increase access to medicines and research for improved products, and to stimulate production of medicines² in Africa. The discussions contribute to the implementation of the Global Strategy and Plan of Action on Public, Innovation and Intellectual Property of the World Health Organization, and the Africa Health Strategy, the Pharmaceutical Manufacturing Plan for Africa and the Africa Science and Technology Consolidated Plan of Action of the African Union.

This was a unique cross-sectoral gathering of experts and stakeholders active in all aspects of pharmaceutical innovation on the continent. They included African government officials in health and science & technology, medicines regulators,


² This includes pharmaceutical medicines, traditional medicines, diagnostics, vaccines and medical devices
researchers and academics, the African pharmaceutical industry, civil society, public – private partnerships, the African Union, regional economic communities, international and UN organizations and development partners. This range of stakeholders provided the broad perspective and expertise needed to deal with the complexity posed by efforts to increase access to essential medicines in Africa.

A unique, cross-sectoral gathering
Participants recognized the public health challenges faced today by African countries – of limited access to medical products and capacity – in addressing issues of technology transfer, manufacturing and innovation. They recognized Africa’s increasing potential to address the situation and highlighted the urgent need to further translate policies into action – as a way to address the long and shorter-term challenges of improving African peoples’ access to quality, efficacious and affordable medicines. The meeting also emphasized the importance of research and development on traditional medicines.

Participants highlighted practical ways in which political and research leaders, civil society, the private sector, donors and international programmes can partner to boost countries’ ability to mobilize and manage pharmaceutical innovation to meet their needs. The participants called for improved inter-sectoral consultation and collaboration to make pharmaceutical innovation a reality. They felt that successful pharmaceutical innovation at national level requires a joint effort combining political support, technical expertise and financial commitment of the health and science & technology sectors. A unique aspect of this meeting was precisely the involvement of officials from both ministries of health and science and technology.

The meeting emphasized the importance of creating an enabling environment for existing and emerging African manufacturers as well as the importance of leadership from governments to achieve this. Participants also stressed the importance of inter-African cooperation and mutual support and the role that the global health community can play to enable pharmaceutical innovation and manufacture in Africa. Country leadership, ownership and harmonization should be at the centre of all such efforts.

Pharmaceutical Innovation Tool
The meeting focused on the review and evaluation of a new tool (the “Pharmaceutical Innovation Framework and Grid”) that supports countries to assess their current situation and future intentions for pharmaceutical innovation, and to design national and regional action plans for innovation, access and local production of medicines, diagnostics and vaccines. Participants found the tool useful and provided suggestions for its improvement, including reference documents and examples illustrating the range of policy instruments and resources available in countries. They emphasised that access and innovation must go hand-in-hand and that the tool should encompass all stakeholders including civil society and private sector.
Practical actions

Participants recommended a number of practical steps forward, including:

- Using the tool to make a valuable contribution to achieving the goals of the Pharmaceutical Manufacturing Plan for Africa and the Global Strategy and Plan of Action on Public Health, Innovation and Intellectual Property.
- Providing strong support for the development and implementation of a business plan for the Pharmaceutical Manufacturing Plan for Africa; the meeting invited partners to assist in its development and implementation – by providing resources and ensuring synergies with the private pharmaceutical sector.
- Establishing short and long-term objectives and milestones for pharmaceutical innovation and manufacturing in Africa.
- Prioritizing the creation of mechanisms to stimulate research and development, and technology transfer and other conditions needed to facilitate and strengthen manufacturing in Africa.
- Creating a coordination mechanism to ensure better synergy and improved intra- and inter-regional support.
- Establishing a mechanism to capture and keep up-to-date information about country developments.
- Making the tool and related documents available in all official African Union languages and adapt its formulation to a language that is understandable across sectors, professional cultures and backgrounds.
- Recognizing the importance of quality assurance systems, pointing out that responsibility is located at different levels of pharmaceutical innovation.

Capacity building.

The meeting recognized that capacity building is vital to strengthening pharmaceutical innovation in Africa, and made the following recommendations:

- Activities should focus on building skills and capacities in areas such as medicines regulation, intellectual property, research collaboration and cooperation, research and business management and policy making.
- Regional centres of excellence should be developed.
- Global mechanisms for regulatory capacity building should be integrated into existing continental and regional harmonisation initiatives.
- Research and development institutions should be developed to be able to address a full range of manufacturing technologies, including traditional medicines.

Financing

Participants highlighted that sustainable financing is essential to support countries’ innovation development, and recommended that:

- Alternative financing mechanisms for the research, development and manufacturing of medicines must be established, including by African institutions such as the African Development Bank.
- Africa must be an active participant in determining alternative global financing mechanisms for access to medicines and pharmaceutical innovation.
- African governments need to invest in and create incentives for all steps of the pharmaceutical innovation chain, and should consider establishing a mechanism that lends at low interest to offset the high commercial rates available in Africa for
pharmaceutical innovators. Governments should use their voice in international bodies to create a more enabling environment for African manufacturing.

The meeting concluded with a special thanks to the African Union Commission for its leadership in hosting this meeting, to NEPAD and COHRED and their partners for creating this tool that will help operationalise pharmaceutical innovation at country and regional levels, and expressed the anticipation of further leadership of the African Union Commission to make the Pharmaceutical Manufacturing Plan for Africa a reality. The meeting also expressed its sincere appreciation for the support provided from the Netherlands, Switzerland and the meeting’s host, the Republic of South Africa.

Pretoria, February 20, 2010

H.E. Commissioner Bience Gawanas
Commissioner Social Affairs
African Union

Dr Ibrahim Hassani Mayaki
CEO, New Partnership for Africa’s Development (NEPAD)

Naledi Pandor
Minister of Science and Technology
South Africa

Dr Pascoal Mocumbi
High Representative European and Developing countries Clinical Trials Partnership
former Prime Minister
Mozambique

José Miguel Nascimento
Director, Pharmaceutical Assistance Department, Ministry of Health
Brazil

Glaudina Loots
Director Health Innovation
Ministry of Science and Technology
South Africa

Liesbeth Mangate
Ministry of Health
South Africa

Modiegi Selematsela
Ministry of Science and Technology
South Africa
Dr Mahama Ouedraogo;  
Executive Secretary  
African Union STRC  
African Union

Dr Olawale Maiyegun  
Director for Social Affairs  
African Union

Dr Benjamin Djoudalbaye  
Senior Health Officer - HIV/AIDS, TB, Malaria & Other Infectious Diseases  
African Union

Dr Grace Kalimugogo  
Expert, HIV/AIDS, TB & Malaria  
African Union

Dr Mamadou S. Diallo  
Pharmacist - AU Medical Centre  
African Union

Dr Janet Byaruhanga  
Health Officer - Health, Nutrition and Population  
African Union

Dr Mabvuto Kango,  
Senior Health Officer - Health, Nutrition and Population  
African Union

Dr Carole Midoungue  
Expert Committee, Pharmaceutical Manufacturing Plan for Africa  
Cameroon

Dr Wilfred Ochieng Oguta  
Expert Committee, Pharmaceutical Manufacturing Plan for Africa  
Kenya

Florence Akonor  
Expert Committee, Pharmaceutical Manufacturing Plan for Africa  
Ghana

Dr Mafios N. Dauramanzi,  
Director General Medicines Control Authority  
Zimbabwe

Margareth Ndomondo-Sigonda  
Director-General, Tanzania Food and Drugs Authority  
Tanzania
Mandisa Hela  
National Regulatory Authority  
South Africa

Apollo Muhairwe  
Executive Secretary National Drug Authority and East African Economic Community  
Uganda

Kofi Busia  
Programme Officer Traditional Medicines  
West African Health Organization  
Burkina Faso

Dr Michael Makanga  
Director of South-South Cooperation and Head of Africa Office of  
European and Developing Countries Clinical Trials Partnership (EDCTP)

Prof. Dr. Dibungi T. Kalenda  
Centre d’Etudes des Substances Naturelles d’Origine Végétale,  
Faculty of Pharmaceutical Sciences, University of Kinshasa  
Democratic Republic of Congo

Prof. Charles Wambebe  
President, International Biomedical Research in Africa  
Nigeria

John H. Amuasi  
Head Research and Development Unit Komfo Anokye Teaching Hospital  
Ghana

Prof. Andrew Walubo  
Researcher, Pharmacy Department, University Free State  
South Africa

Prof. Raphael Ngure  
Researcher, Egerton University  
Kenya

Dr Charles Fokunang  
Senior Lecturer, General Coordinator Pharmacy Programmes  
Pharmacy & African Pharmacotherapeutics  
Cameroon

Prof. Mampunza ma Miezi Samuel  
Dean School of Medicine & Pharmacy  
Democratic Republic of Congo

Dr Solomon Mpoke  
Director Kenya Medical Research Institute Nairobi  
Kenya
Dr Alex Ochem  
Group Leader, Biotechnology Transfer Unit  
International Centre for Genetic Engineering and Biotechnology (ICGEB)  
Cape Town Component  
South Africa

Prof. Petro Terblanche  
Executive Director Biological research section CSIR,  
(Council for Scientific and Industrial Research) Cape Biotech  
South Africa

Dr Paolo Meoni  
Drug Development Manager at Biosciences of CSIR  
South Africa

Craig Landsberg  
Manager Technology Platforms & Centres of Competence  
Cape Biotech  
South Africa

Vhaniqui Welie  
EKN

Gil Mahlani  
ACRSA

Dr Anne Grobler  
Senior Researcher, Unit for Drug Research and Development  
North West University,  
South Africa

Osman Nkosi  
MBI  
South Africa

Mazi Sam Ohuabunwa  
President, West African Pharmaceutical Manufacturers,  
CEO, Neimeth International Pharmacy Plc  
Nigeria

Mr. Frederick Mutebi Kitaka  
Chief Financial Officer, Quality Chemicals Limited, Uganda  
East African Manufacturing Association  
Uganda

Dr Val Beaumont  
Executive Director Innovative Medicines South Africa (IMSA)  
South Africa

Dr Morena Makhoana  
Deputy CEO, The Biovac Institute  
South Africa
Dr. Paul A. Lartey
President and CEO, LaGray Chemical Company
Pharmaceutical Research, Development and Manufacturing for Africa
Ghana

Raseela Inderlall
CEO, National Association of Pharmaceutical Manufacturers and
Southern African Generic Medicines Association
South Africa

Dr Shaun Conway
Southern Africa Regional Programme on Access to Medicines

Dr Aarti Patel
Southern Africa Regional Programme on Access to Medicines

Joan van der Lingen
Project Manager
ARV Access for Africa (AA4A),

Kemal Ahmed
Senior Consultant
ARV Access for Africa (AA4A),

Donna Kumererwa
Ecumenical Pharmaceutical Network, (EPN)
Kenya

Gichinga Ndirangu
Regional Coordinator of Health Action International Africa (HAI-Africa)
Kenya

Robinson Esalimba
Policy Analyst, international trade law and intellectual property law
IQ-Sensato

Matthew Price
Doctors without Borders, Access to Essential Medicines Campaign

Dr Nathalie Strüb-Wourgaft
Clinical Development Director, Drugs for Neglected Diseases initiative (DNDi)

Kate Griffith
Senior Analyst, Drug Access Team
Clinton Foundation

Michel Sidibé
Executive Director UNAIDS
Dr. Desmond Johns  
Country Director & Representative to AU and UNECA, UNAIDS  
Ethiopia

Abdoul Dieng  
UNAIDS

Lorenzo L. Witherspoon  
Procurement Officer  
UNITAID

Abayneh Tamir Desta  
Technical Officer, Essential Drugs and Medicines Policy  
WHO-AFRO

Dr Precious Malebona Matsoso  
Director WHO, Public Health Innovation and Intellectual Property

Dr Robert Ridley  
Director WHO TDR, special programme on Tropical Disease Research

Dr Solomon Nwaka  
Leader Discovery for drugs for infectious tropical diseases, WHO-TDR

Marja Esveld  
Senior Advisor; Ministry of Foreign Affairs  
the Netherlands

Olivier Praz  
Programme Manager Multilateral Affairs, East- and Southern Africa  
Swiss Agency for Development and Cooperation  
Switzerland

Dr Javier Guzman  
Research Director, The George Institute for International Health  
United Kingdom

Prof. Eric Buch  
Health Adviser  
NEPAD Health

Prof. Aggrey Ambali  
Director NEPAD Office for Science & Technology

Prof. Bruno Kubata  
Coordinator NEPAD Office for Science & Technology

Lukovi Seke  
NEPAD Office for Science & Technology

Dr Andrew Kanyegirire  
Communications Manager
NEPAD Communication

Robert Muyange
NEPAD Planning & Coordination Agency

Nancy Ngum
NEPAD Office for Science & Technology

Millicent Seganoe
NEPAD Communication

Benita Nsabua
NEPAD Communication

Nthabiseng Legodi
NEPAD Office for Science & Technology

Prof. Carel IJsselmuiden
Director
COHRED

Dr. Martine Berger
Senior Health Advisor
COHRED

Michael Devlin
Head Knowledge Sharing, Advocacy & Communications
COHRED

Margo Koulen
Communications Coordinator
COHRED

All documents and background material are at
www.nepad.org
www.cohred.org/African_Innovation