

Day 1: 11 May 2011

08:00 **Registration : Registration**

09:00 **Opening Plenary 1a: Opening Plenary**

Welcome Remarks

Mr Nkatla C. Morupisi, Ministry of Infrastructure Science and Technology, Botswana

Official Opening Speech

Honourable Johnie K. Swartz, Minister of Infrastructure Science and Technology, Botswana

AUC Address

Ahmed Hamdy, African Union Commission, Ethiopia

8th Africa-EU Strategic Partnership (Science, Information Society, Space)

Luis Magalhães, Knowledge Society Agency (UMIC), Ministry of Science, Technology and Higher Education, Portugal

Vote of Thanks

Mr Mabua L. Mabua, Ministry of Transport and Communication, Botswana

10:30 **Coffee Break : Networking and Exhibition**

11:00 **Plenary Session 2a: High-level Round Table on the Implementation of the Africa-EU Partnership on Science, Information Society and Space**

Chair: Paul Cunningham, IIMC, Ireland

Keynote Address: Zoran Stancic, European Commission, Belgium

Panel Participants include:

Mr Nkatla C. Morupisi, Permanent Secretary, Ministry of Infrastructure Science and Technology

Mr Mabua L. Mabua, Permanent Secretary, Ministry of Transport and Communication

Mr Zoran Stancic, Deputy DG, DG Information Society and Media, European Commission

Dr Ahmed Hamdy, Deputy Director, HRST, African Union Commission

Prof Luis Magalhães, President, UMIC, Portugal, European Chair of the Africa-EU 8th Partnership

Dr Hannes Toivanen, VTT, Finland, European Co-Chair Information Society, Africa-EU 8th Partnership

Dr Tomaz Augusto Salomão, Executive Secretary, SADC

Ilari Lindy, Global Information & Communication Technologies, The World Bank Group

Jose Vieira Couceiro, Chief Executive Officer, Mascom, Botswana

Mr Pele Moleta, Chief Executive Officer, BotswanaPost

Mr John Connell, Education Business Development Manager, CISCO

Michelle Makaroff, Co-chair, Europe Africa Business Forum ICT Working Group

12:30 **Lunch**

14:00 **Session 3a: eInfrastructures**

Chair: Joseph Chuma, University of Botswana, Botswana

Capacity Building for HPC Infrastructure Setup in Africa: The ICTP Experience

Sebsibe Hailemariam Dadi, Addis Ababa University, Ethiopia

Status of Interconnection and Traffic Exchange in Africa

Chris Morris, Internet Society, South Africa

Seven Characteristics of a Successful Virtual Volunteering Platform

Laurie Butgereit, Meraka Institute, South Africa

Critical Infrastructure Security Modelling and RESCI-MONITOR: A Risk Based Critical Model

Thomas Schaberreiter, Centre de Recherche Public Henri Tudor, Luxembourg

The Corporate Incident Response Framework (CIRF)

Theron Pieterse, University of Johannesburg, South Africa

14:00 **Session 3b: 8th Africa-EU Partnership - Information Society Implementation Group I**

Introductory Remarks - Objectives

Implementation status of the Action Plan 2008-2010 Flagship Initiatives

Objectives of the Action plan 2011-2013

Financial Resources Mobilization

- European Development Fund
- EU-Africa Infrastructures Trust Fund
- National Funding / Financial Institutions

eTransformation Trust Fund

Ilari Lindy, World Bank, United States

InfoDEV Programme

Ilari Lindy, World Bank, United States

14:00 **Workshop 3c: African IPv6 Deployment Roadmap**

Chair: Latif Ladid, IPv6 Forum - SnT University of Luxembourg, Luxembourg

Co-Chair: Jacques Babot, European Commission, Belgium

Action Plan for the Deployment of Internet Protocol version 6 (IPv6) in Africa

Latif Ladid, President, IPv6 Forum

Jacques Babot, European Commission

Adiel Akplogan, CEO, AFRINIC

IPv6 Deployment

Axel Clauberg, Cisco Systems, Germany

14:00 **Session 3d: Digital Libraries and Intelligent Content**

Chair: Sue Pendell, Colorado State University, United States

University Research Funding and Information Management System - Improving and Enhancing Research at University of Botswana

Clement Matasane, University of Botswana, Botswana

Instrumenting and Monitoring the LarKC Research Infrastructure

Ioan Toma, STI Innsbruck, Austria

Promoting Widespread Diffusion of ICTs to Speed up Achievements of the MDGs in Africa: a Case for the MDG 2 in Uganda

Wilson Okaka, Kyambogo University, Uganda

Design of Workflow Management system for Department of Information Services

Kebonye Timpa, Botswana Government, Botswana

14:00 **Workshop 3e: Living Labs - Experiences from ENOLL**

Chair: Álvaro Oliveira, ENOLL/Alfamicro, Lda, Portugal

Panel Members include

Alvaro Olivier, ENOLL/Alfamicro Lda, Portugal

Daan Velthausz, Amsterdam Innovation Motor, Netherlands

Aaron Ciaghi, Fondazione Bruno Kessle, Italy

Tuija Hirvikoski, Laurea University of Applied Sciences, Finland (tbc)

14:00 **Session 3f: eGovernment - Issues and Case Studies**

Chair: Vasilis Koulolias, Gov2u, Greece

Challenges of e-Government in African Countries: Creating an Enabling Environment in Nigeria

Rudrappan Dhamodharam, Covenant University, OTA, Ogun State, Nigeria

Developing a Model for Information Society and Development at a Provincial Level in South Africa
Rodwyn Grewan, Provincial Information Society Strategy Programme, South Africa

The Analogy of Data within eGovernment Interoperable Ecosystem (AD-eGIE): Utilising Information

Jameson Mbale, University of Namibia, Namibia

Semantic-Driven eGovernment: A Case Study of Formal Representation of Government Ontology

Jean Vincent Fonou Dombeu, Vaal University of Technology, South Africa

Lessons from Monitoring and Assessing EC-funded eParticipation Projects: Citizen Engagement and Participation Impact

Melanie Bicking, University of Koblenz-Landau, Germany

15:30 **Coffee Break**

16:00 **Workshop 4a: The Brain Gain Initiative – Next Steps towards an African e-Infrastructure for Education and Research**

Chair: Luc Rukingama, UNESCO Office in Harare, Zimbabwe

Introduction

Luc Rukingama, UNESCO Office in Harare, Zimbabwe

UNESCO/HP Brain Gain Initiative – Looking Ahead: Beyond UNESCO/HP Funding

Marc Bellon, UNESCO/HP Brain Gain Initiative, France

Grid Computing as a Driving Force for E-learning and Open Education Resources in Africa

Simon Karume, Masinde Muliro University of Science and Technology, Kenya

Brain Gain and Brain Circulation in Africa: Challenges and Opportunities

Achuo Enow, International Council for Science, Regional Office for Africa, South Africa

The South African National Grid: Blueprint, Impact and Perspectives for African Research

Bruce Becker, Meraka Institute, CSIR, South Africa

CHAIN and EPIKH: Policy and Training Coordination in Grid Infrastructures

Valeria Ardizzone, Istituto Nazionale di Fisica Nucleare Sez. Catania, Italy

16:00 **Session 4b: 8th Africa-EU Partnership - Information Society Implementation Group II Action Plan 2011-2013 Implementation Roadmap**

Support to ICT Policy and Regulatory Reforms / Scaling-up the HIPSSA Initiative

Jean François Le Bihan, ITU, Ethiopia

African RECs: Report on ICT Regional Initiatives and Strategies

ICT Regional Programmes - IGAD

Simon Mbugua, Intergovernmental Authority on Development (IGAD), Djibouti

ICT Regional Programmes - UEMOA

Bernard Ouedraogo, Union Economique et Monétaire Ouest Africaine (UEMOA), Burkina Faso

16:00 **Session 4c: Mobile Applications**

Chair: Laurens Cloete, Meraka Institute, South Africa

Dynamic Spectrum Allocation in Multiuser Wireless Networks

Sheila Mugala, Makerere University, Uganda

Crest Factor Reduction of an OFDM/WiMAX Network

Sheila Mugala, Makerere University, Uganda

European Geostationary Navigation Overlay Service (EGNOS)

Dimov Stojce Ilcev, Durban University of Technology, South Africa

16:00 **Session 4d: Open Source Software - Applications and Case Studies**

Chair: Maxwell Otim, Uganda National Council for Science and Technology, Uganda

An e-Government application using Open Source Software

Massimo Squillace, Sogei, Italy

UNAM Event Notification System

Ashraf Ghania, University of Namibia, Namibia

Importance of Open Source Software for Development of ICT in Burundi
Melchicedec Nduwayo, Martin Luther King University, Burundi

16:00 **Session 4e: Living Labs - Case Studies**

Chair: Kristiina Lahde, TanzICT Programme , Tanzania, United Republic Of

Living Lab: A potential Change Catalyst for Development in Nongoma
Murimo Bethel Mutanga, University of Zululand, South Africa

Deploying Mobile Rural Living Lab in Nongoma
Zamandela Ndlela, University of Zululand, South Africa

Stimulating Development through Transnational Living Labs: the Italo-Mozambican Vision

Aaron Ciaghi, Fondazione Bruno Kessler, Italy

Formalising Living Labs to Achieve Organisational Objectives in Emerging Economies
Darelle Van Greunen, Nelson Mandela Metropolitan University, South Africa

Towards a Mobile eProcurement System for Small Scale Retailers in Rural South Africa
Winnie Kandie, SAP Research , South Africa

16:00 **Session 4f: eGovernment Developments in East Africa**

Chair: Enock Mpenzwa, Tanzania Commission for Science and Technology, Tanzania

Assessment of Public Services e-Government Initiatives: A Case Study of Tanzania
Grace Mbwete, Open University of Tanzania, Tanzania, United Republic Of

eGovernment for Development: Implementation Challenges of Uganda's National Backbone
Justine Ssempebwa, Ministry of Finance, Planning and Economic Development, Uganda

Survey on Local Software Development for eGovernment of Uganda with A Focus on e-Health
Nabbanja Teddy, Kampala International University, Uganda

Proposed ICT-Enabled Services Model for Local Authorities in Kenya
Dennis Ochieng, Moi University, Kenya

17:30 **End of Parallel Sessions**

18:00 **Reception : Networking Reception**

Day 2: 12 May 2011

09:00 **Workshop 5a: African REN I: Setting the Stage – the State of Research and Education Networking in Africa**

Chair: Ahmed Hamdy, African Union Commission, Ethiopia

Association of African Universities

Boubakar Barry, Association of African Universities, Ghana

UbuntuNet Alliance

Francis Tusubira, UbuntuNet Alliance, Uganda

WACREN

Nii Quaynor, WACREN, Ghana

AfricaConnect

Cathrin Stover , DANTE , United Kingdom

eInfrastructures and International Collaboration - State of Play

Kostas Glinos, European Commission, Belgium

Collaboration without Frontiers

Axel Clauberg, Cisco Systems, Germany

09:00 **Session 5b: 8th Africa-EU Partnership - Information Society Implementation Group III Action Plan 2011-2013 Implementation Roadmap**

- Public-private Partnerships; Interaction with the EU-Africa Business Forum

EABF Exchange on Financing Mechanisms

Christine Leurquin, EU Africa Business Forum, Belgium

ICT Working Group Recommendations

Christine Leurquin, EU Africa Business Forum, Belgium

EU-Africa Business Forum ICT Working Group

Michelle Makaroff, EU Africa Business Forum, Belgium

Learn Today Work Tomorrow - Sharing of ICT Best Practices; Stocktaking of Successful Deployments

Michelle Makaroff, EU Africa Business Forum, Belgium

09:00 **Workshop 5c: [First IFIP TC 9/TC 11 Southern African Cyber Security Awareness Workshop - SACSAW 2011 - Cyber Security Policy Development](#)**

Chair: Basie von Solms, University of Johannesburg, South Africa

Welcome Address

Jackie Phahlamohlaka, CSIR, South Africa

Opening Address: A Framework for an African Policy Towards Creating Cyber Security Awareness

Basie von Solms, University of Johannesburg, South Africa

A Cyber Security Awareness Toolkit for National Security: An Approach to South Africa's Cyber Security Policy Implementation

Jackie Phahlamohlaka, CSIR, South Africa

09:00 **Workshop 5d: mHealth in Botswana**

Chair: Faisal M. Fadlelmola, University of Botswana, Botswana

Use of Mobile Learning by Physician Trainees

Dineo Ketshogileng, University of Botswana, Botswana

Welcome & Introduction

Ryan Littman-Quinn, Botswana-UPenn Partnership, Botswana

Specialist Access

Neo Mogogi Mohutsiwa-Dibe, Botswana Government, Botswana

Public Health and Epidemiology

Allison Tatarsky, Clinton Health Access Initiative, Botswana

Patient-centered SMS Services

Katy Digovich, Positive Innovation for the Next Generation (PING), Botswana

Conclusion and General Discussion

Ryan Littman-Quinn, Botswana-UPenn Partnership, Botswana

09:00 **Session 5e: Technology Enhanced Learning & ICT Skills**

Chair: Love Ekenberg, Stockholm University, Sweden

An Analysis of the State and Prospects of e-Learning in Developing Countries

Matti Tedre, Stockholm University, Sweden

Maximising Return on Investment in I.T. Training - An African Perspective

Peter Denny, University of Kwazulu Natal, South Africa

The Perception of the Role of IS in an Emerging Country: The Case of Botswana

Yirsaw Ayalew, University of Botswana, Botswana

09:00 **Workshop 5f: Africa4All – Leveraging ICT in African Parliaments**

Chair: Vasilis Koulolias, Gov2u, Greece

Africa4All Parliamentary Initiative

Vasilis Koulolias, Gov2u, Greece

Demonstrations

10:30 **Coffee Break**

- 11:00 **Workshop 6a: African REN II: Creating Synergy among the Initiatives Supporting research and Education Networking in Africa**
Chair: Francis Tusubira, UbuntuNet Alliance, Uganda
Moderated Panel Discussion Focused on Presentation of Activities Being Undertaken and Opportunities for Synergy
Initiatives Supported by IDRC
Khaled Fourati, IDRC, South Africa
European Initiatives Supporting Research and Education Networking in Africa
Leonardo Flores, European Commission, Belgium
World Bank Initiatives – Peter Materu (tbc)
American Foundations Supported Initiatives
Andrea Johnson, Carnegie Corporation of New York, United States
- 11:00 **Session 6b: 8th Africa-EU Partnership - Information Society Implementation Group IV Action Plan 2011-2013 Implementation Roadmap**
- e-Skills, Digital Literacy Programmes + Scaling-up the ALICT Programme
Czech Educational and Scientific Network
Jaroslav HRB, CESNET, z.s.p.o., Czech Republic
ECDL Foundation - Promotion of Digital Content
Daniel Palmer, ECDL Foundation, Singapore
- 11:00 **Workshop 6c: [SACSAW 2011 - Cyber Security Educational Schemes](#)**
Chair: Marthie Grobler, CSIR, South Africa
The South African Cyber Security Awareness Month (SACSAM)
Basie von Solms, University of Johannesburg, South Africa
A Cyber Security Portal for South Africa
Johan van Niekerk, Nelson Mandela Metropolitan University, South Africa
- 11:00 **Session 6d: eHealth - Issues and Applications**
Chair: Maurice Mars, University of KwaZulu-Natal, South Africa
Federated EHR: How to Improve Data Quality Maintaining Privacy
Tefo James Toai, GPI SpA, Italy
VITA: A Paperless Hospital Suite
James Katende, Botswana International University of Science & Technology, Botswana
Automating Remote Monitoring and Information Therapy: An Opportunity to Practice Telemedicine in Developing Countries
Juha Puustjärvi, Aalto University, Finland
- 11:00 **Session 6e: Technology Enhanced Learning and ICT Skills II**
Chair: John Connell, CISCO, United Kingdom
Stop Words for "Dr Math"
Laurie Butgereit, Meraka Institute, South Africa
Assessing the Use of Blackboard for Course Delivery in an Engineering Programme
Tunde Oladiran, University of Botswana, Botswana
MERLINGO - the Adaptation and Accessible Distribution of Study Materials on the Basis of Rich-Media for the Support of the Learning Process in Students with Special Needs
Ivo Martiník, Technical University of Ostrava, Czech Republic
Exposing Knowledge in Speech: Monitoring Conceptual Development in Spoken Conversation
Ruben Lagatie, Katholieke Universiteit Leuven, Belgium
- 11:00 **Session 6f: ICT for eInclusion and eAccessibility - Case Studies**
Chair: Darelle Van Greunen, Nelson Mandela Metropolitan University, South Africa
"SignOn", A Model for Teaching Written Language to Deaf People
Franz Dotter, University of Klagenfurt, Austria

What IT Professionals Should Know About IT Work in Developing Countries

Matti Tedre, Stockholm University, Sweden

Botswana Case Study Role of ICT in Graduation from a Least Developed Country to a Developed Country

Arindam Bose, Cyber Media (India) Ltd, Botswana

Challenges and Proposed Solutions Towards Telecentre Sustainability: A Southern Africa Case Study

Mbuyu Sumbwanyambe, University Of Johannesburg, South Africa

12:30 **Lunch**

14:00 **Workshop 7a: African REN III: Creating and Strengthening Global Strategic Alliances**

Chair: Kostas Glinos, European Commission, Belgium

Co-Chair: Duncan Martin, UbuntuNet Alliance, South Africa

Presentations will Focus on Opportunities for Working with Emerging African Regional RENs

GÉANT

Cathrin Stover , DANTE , United Kingdom

CLARA

Gustavo Garcia, Cooperación Latinoamericana de Redes Avanzadas (CLARA), Chile

EUMEDGrid

Mario Reale, Consortium GARR, Italy

UbuntuNet Alliance

Tiwonge Msulira Banda, UbuntuNet Alliance for Research and Education Networking, Malawi

EC on Broadband and Science

Leonardo Flores, European Commission, Belgium

IPv6 Labs and Test Centers in Africa

Olivier Dupont, CISCO, France

14:00 **Session 7b: 8th Africa-EU Partnership - Information Society Implementation Group V Action Plan 2011-2013 Implementation Roadmap**

- e-Applications in the Health and Education Sectors + full implementation of the African Virtual Campus project

African Virtual Campus

Mohamed Miloudi, UNESCO, France

- ICT Research, Innovation and Entrepreneurship / Cooperation on Living Labs/ Implementation of the AYIN project

14:00 **Workshop 7c: [SACSAW 2011 - Practical Cyber Security Awareness Initiatives](#)**

Chair: Rossouw Von Solms, Nelson Mandela Metropolitan University, South Africa

Cyber Awareness Initiatives in South Africa: A National Perspective

Marthie Grobler, CSIR, South Africa

A Framework to Implement a National Cyber Security Structure for Developing Nations

Ian Ellefsen, University of Johannesburg, South Africa

Design of a Cyber Security Awareness Campaign for Internet Cafe Users in Rural Areas

William Aubrey Labuschagne, CSIR, South Africa

14:00 **Session 7d: eHealth - Issues and Applications II**

Chair: Sheddan Masupe, University of Botswana, Botswana

A Framework for Cell Phone Based Diagnosis and Management of Priority Tropical Diseases

Faith-Michael Uzoka, Mount Royal University, Canada

Telemedicine in Botswana

Resego Morakanyane, University of Botswana, Botswana

Cost Benefit of Using the SIMpill Electronic Treatment Adherence System to Support Tuberculosis Patients

Sean Broomhead, Greenfield Management Solutions, South Africa

eHealth for African Countries – Sustainable Strategies

Tom Jones, TanJent, United Kingdom

14:00 **Session 7e: Technology Enhanced Learning and ICT Skills in East Africa**

Chair: Almamy Konte, Ministère de l'Enseignement Supérieur, des Universités et des Centres Universitaires Régionaux et de la Recherche Scientifique, Senegal

From Learning Technology to Learning with Technology: e-Learning Resource Centre for Quality Teacher Training in Burundi

Spès Nibafasha, Ecole Normale Supérieure, Burundi

Inter-University Workshop for the Promotion of ICT in Burundi.

Oscar Irambona, Université Grands Lacs, Burundi

The Integration of E-learning in Burundian Education System for Teaching ICT skills to Rural Marginalized Students

Hilaire Nkunzimana, Hope Africa University, Burundi

Bagamoyo Caravan: Pervasive Learning Game for a Tanzanian Museum

Teemu H. Laine, University of Eastern Finland, Finland

14:00 **Session 7f: ICT for eInclusion and eAccessibility - Case Studies**

Chair: Kim Davis, Research Council of Norway, Norway

The Socio-Economic Landscape of a Rural Community – A View of Rietfontein

Darelle Van Greunen, Nelson Mandela Metropolitan University, South Africa

The Potential of ICTs to Empower Rural Women

Meera Joseph, University of Johannesburg, South Africa

Mobi-Incubation User Experience for Rural Entrepreneurs in Emerging Economies

Darelle Van Greunen, Nelson Mandela Metropolitan University, South Africa

15:30 **Coffee Break**

16:00 **Workshop 8a: African REN IV: Intra-African Research and Education Collaboration**

Chair: Bjorn Pehrson, KTH, Sweden

Co-Chair: Leonardo Flores, European Commission, Belgium

Usage of ICT Infrastructure for Intra-African Research and Education Collaboration

Overview of the African Union Research and Education Agenda

Moses Bayingana, African Union Commission, Ethiopia

Intra-African Research and Education Collaboration

Boubakar Barry, Association of African Universities, Ghana

Ideas from the Audience on Support Actions related to e-Infrastructures Development in Africa

Roundtable Discussion: What have we learnt and what shall we therefore do?

16:00 **Session 8b: 8th Africa-EU Partnership - Information Society Implementation Group VI**

Action Plan 2011-2013 Implementation Roadmap

- Research and Education Networking / AfricaConnect

List of Actions - Next Steps

16:00 **Workshop 8c: [SACSAW 2011 - Cyber Security Designs](#)**

Chair: Joey Jansen van Vuuren, CSIR, South Africa

A Framework for Implementing a Cyber Security Awareness Programme for Internet Users

Elmarie Kritzing, UNISA, South Africa

The Cyber Security Awareness Workbook
Elmarie Kritzinger, UNISA, South Africa

16:00 **Session 8d: eHealth - Case Studies**

Chair: Richard Stevens, Italy

The Design, Implementation and Evaluation of Computerized Clinic Patient Management and Clinician Order Entry Systems in a PMTCT Clinic in Uganda

Michael Kavuma, Management Sciences for Health, Uganda

Health Information Systems Integration in Tanzania: Tapping the Contextual Advantages

Masoud Mahundi, University of Dar es Salaam, Tanzania, United Republic Of

Evaluating ICT Potential for Improving Health Information Quality in Africa

Kseniya Khovanova-Rubicondo, Ashburn Institute, Ukraine

16:00 **Session 8e: Technology Enhanced Learning and ICT Skills IV**

Chair: Loi Mirembe Namugenyi, Uganda National Council for Science & Technology, Uganda

tactusLogic: Programming Using Physical Objects

Andrew Cyrus Smith, CSIR Meraka Institute, South Africa

An Intelligent Fractions Learning System: Implementation

Andrew Cyrus Smith, CSIR Meraka Institute, South Africa

Technology enhanced distance learning: designing with

Gomang Seratwa Ntloedibe-Kuswani, University of Botswana, Botswana

Transformation of Research Results into Local Innovation: How Limkokwing University (Botswana) Implements Technology Enhanced Learning

Tapson Mlambo, Limkokwing University of Creative Technology- Botswana, Botswana

16:00 **Session 8f: ICT for eInclusion and eAccessibility - Issues**

Chair: Raphael Mmasi, COSTECH, Tanzania, United Republic Of

Achieving e-Inclusion: Building an African Digital Agenda

Daniel Palmer, ECDL Foundation, Singapore

AAL for Supporting Elderly

Matjaz Gams, Jozef Stefan Institute, Slovenia

Admixture Practises in South African Languages: Impact on Speech-Enabled Technology Design

Tembalethu Ndwe, CSIR-Meraka Institute, South Africa

Day 3: 13 May 2011

09:00 **Workshop 9a: eInfrastructures and the Sensor Web for Earth Observation and Simulation**

Chair: Ingo Simonis, iGSI GmbH, Germany

Co-Chair: Anwar Vahed, CSIR, South Africa

OpenSensors: A Community Platform to Enable the Sensor Web and Foster Earth Observation Research

Stefanie Andrae, Carinthia University of Applied Sciences, Austria

Earth Observation and Environmental Modelling for the Mitigation of Health Risks such as Cholera, Cardio-Vascular and Respiratory Diseases

Ingo Simonis, iGSI GmbH, Germany

eInfrastructures for Disaster Risk Assessment

Anwar Vahed, CSIR, South Africa

Illustrating the Role of e-Infrastructures when Studying Cholera Dynamics

Ingo Simonis, iGSI GmbH, Germany

Massive Climate Data Sets in eInfrastructures

François Engelbrecht, CSIR, South Africa

Sensor Web

Simon Jirka, 52North, Germany

- 09:00 **Workshop 9b: IST-Africa - Linking European and African Researchers I**
Chair: Paul Cunningham, IIMC, Ireland
- EU - Africa Research Cooperation Opportunities**
Kostas Glinos, European Commission, Belgium
- ICT Initiatives and Research Capacity in Botswana**
Oabona Monngakgotla, Ministry of Infrastructure, Science and Technology, Botswana
- ICT Initiatives and Research Capacity in Mauritius**
Vikash Heeralaul, National Computer Board, Mauritius
- ICT Initiatives and Research Capacity in Mozambique**
Zauria Saifodine, National Institute for ICT, Mozambique
- ICT Initiatives and Research Capacity in Namibia**
Florence Kavirindi, Ministry of Education, Namibia
- ICT Initiatives and Research Capacity in Lesotho**
Lefa Thamae, Department of Science and Technology, Lesotho
- ICT Initiatives and Research Capacity in South Africa**
Itumeleng Phogojane, Department of Science and Technology, South Africa
- 09:00 **Workshop 9c: Networked Enterprises: Potential and Opportunities for Businesses in Africa**
Chair: Man-Sze Li, IC Focus, United Kingdom
- The Evolution and Key Findings of Networked Enterprises in European Research**
Man-Sze Li, IC Focus, United Kingdom
- Business Model Developments, Innovation and the Bottom of the Pyramid**
Peter Lindgren, Aalborg University, Denmark
- Networked Enterprises: A Case Study in Regional Healthcare**
Andrew Faughy, VEN, United Kingdom
- Enterprise Systems in the Internet of Things**
Markus Eisenhauer, Fraunhofer Institute for Applied Information Technology (FIT), Germany
- Discussion - Networked Enterprises: relevance and opportunity for Africa**
- 09:00 **Session 9d: Rural Innovation Systems**
Chair: Eric Mwangi, Ministry of Higher Education, Science and Technology, Kenya
- Mobile Banking as a Means to Provide Access to Financial Services**
José Luis Gómez Barroso, UNED - Universidad Nacional de Educación a Distancia, Spain
- Vision of the Farm of Tomorrow**
Karel Charvat, Ceske centrum pro vedu a spolecnost, Czech Republic
- VLITE NODE – Solution for Precision Farming**
Karel Charvat, Ceske centrum pro vedu a spolecnost, Czech Republic
- 09:00 **Session 9e: Transformation of Research Results into Local Innovation**
Chair: Kim Davis, Research Council of Norway, Norway
- Voices: Voice-based ICT Services for Underprivileged Communities**
Stephane Boyera, Web Foundation, France
- Building a Participatory Geographic Information System to Support Community Initiated Local Livelihoods**
Mulalu Innocent Mulalu, University of Botswana, Botswana
- Challenges in Transferring European Business and Technology Models to the Developing Southern African Regions**
Margherita Forcolin, Insiel S.p.A., Italy
- Designing Pilot Micro Finance Information Dissemination Centres for the Eastern Cape: A Process Report**
Annatjie Erasmus, AWE Business Process Engineering, South Africa
- Crucial Considerations in One-to-One Computing in Developing Countries**
Henrik Hansson, Stockholm University, Sweden

10:30 **Coffee Break**

11:00 **Session 10a: Cloud Computing**

Chair: Fisseha Mekuria, CSIR Pretoria, South Africa

Cloud Computing as an Emerging Technology and its Associated Ethical Issues: Experiences that may be shared between Europe and Africa

Kutoma J. Wakunuma, De Montfort University, United Kingdom

Improving the Capacity, Reliability & Life of Mobile Devices with Cloud Computing

Fisseha Mekuria, CSIR Pretoria, South Africa

A Case Analysis of Factors Affecting the Adoption of Grid Technology by Universities

Faith-Michael Uzoka, Mount Royal University, Canada

A Web-Portal for Accessing Services by SMMEs in South Africa: A Mashup Prototype

Ernest Ngassam, SAP Research IA&S Africa, South Africa

11:00 **Workshop 10b: IST-Africa - Linking European and African Researchers II**

Chair: Paul Cunningham, IIMC, Ireland

ICT Initiatives and Research Capacity in Egypt

Effat El Shooky, Ministry of Communications & Information Technology, Egypt

ICT Initiatives and Research Capacity in Senegal

Almamy Konte, Ministère de l'Enseignement Supérieur, des Universités et des Centres

Universitaires Régionaux et de la Recherche Scientifique, Senegal

ICT Initiatives and Research Capacity in Cameroon

Njei Check, National Agency for Information and Communication Technologies (ANTIC), Cameroon

ICT Initiatives and Research Capacity in Kenya

Jacob Njagi, Ministry of Higher Education, Science and Technology, Kenya

ICT Initiatives and Research Capacity in Burundi

Augustin Nsabiyumva, Ministry of Higher Education and Scientific Research, Burundi

ICT Initiatives and Research Capacity in Tanzania

Raphael Mmasi, COSTECH, Tanzania, United Republic Of

ICT Initiatives and Research Capacity in Uganda

Loi Mirembe Namugenyi, Uganda National Council for Science & Technology, Uganda

EuroAfrica-ICT - Preliminary Results from ICT Research Priorities Study

Karine Valin, Sigma Orionis, France

11:00 **Session 10c: RFID and Networked Enterprise**

Chair: Laurens Cloete, Meraka Institute, South Africa

The Internet of Things – Promise for the Future? An Introduction

Louis Coetzee, Meraka Institute, CSIR, South Africa

Beachcomber: Linking the "Internet of Things" to the "Internet of People"

Laurie Butgereit, Meraka Institute, South Africa

Initial Study on the Usage of Social Networks Marketing by Small and Medium-Scale

Enterprises in South Africa: A Review of some SMEs in Cape Town

Mayowa Mulero, Cape Peninsula University of Technology, South Africa

RFID in Botswana

Bathopi Luke, Botswana Telecommunications Authority, Botswana

11:00 **Session 10d: ICT for Environmental Risk Management**

Chair: Bernard Stevenot, SPACEBEL, Belgium

The Development and Implementation of eLog Technology for the Local and International Fishing Industry

Amos Barkai, Olrac, South Africa

Social Space for Geospatial Information

Premysl Vohnout, Wirelessinfo, Czech Republic

ICT for Automated Forecasting of Electrical Power Consumption: A Case Study in Maputo
Constantino Sotomane, Stockholm University, Mozambique

12:30 **Lunch**

13:30 **Closing Plenary 11a: Initiatives Supporting Development of Regional ICT and STI**

Strengthening African - European Cooperation in ICT

Thierry Devars, European Commission, Belgium

Strengthening African - European Cooperation in S&T

Fadila Boughanemi, European Commission, Belgium

Bridging Africa and Europe with the Information Society

Ana Cristina Neves, Knowledge Society Agency (UMIC), Ministry of Science, Technology and Higher Education, Portugal

Health Initiatives in Botswana

O Mokopakgosi, Ministry of Health, Botswana

Improved Service Delivery through the Use of ICT Applications

Lucky T. Moahi, Ministry of Labour and Home Affairs, Botswana

Challenges of Information Communication Technology

Chino Monyatsiwa, Ministry of Agriculture, Botswana

ICT at the University of Botswana

George O. Anderson, University of Botswana, Botswana

Botswana Innovation Hub

Budzanani Tacheba, Botswana Innovation Hub, Botswana

Awards

Honourable Frank Ramsden, Minister of Transport and Communication, Botswana

Formal Closing

Honourable Frank Ramsden, Minister of Transport and Communication, Botswana
