

## Conference on Space Partnerships for Sustainable Development

### A review of South Africa – EU cooperation in space and its contribution to the strengthening of the South Africa – EU Strategic Partnership

*Monday 18 April 2011, at The Innovation Hub, Pretoria, South Africa*

*Conference Chair: Mmboneni Muofhe, Chief Director: International Resources, Department of Science and Technology*

#### **Opening Session**

09:00 Introduction to South Africa – EU Space Dialogue

*Welcoming remarks by Dr Phil Mjwara, Director-General, Department of Science and Technology, His Excellency Mr Roeland van de Geer, Head of EU Delegation to South Africa and Dr Paul Weissenberg, Deputy Director General, DG Enterprise and Industry, European Commission*

09:30 Space science and technology developments in South Africa

*Dr Valnathan Munsami, Deputy Director-General: Research, Development and Innovation, Department of Science and Technology*

*Dr Sandile Malinga, Chief Executive Office, South African National Space Agency*

10:00 Recent developments in EU Space Policy

*Mr. Augusto Gonzalez, Head of Unit, Space Policy and Coordination,, DG Enterprise and Industry, European Commission*

European Space Agency Contribution to Sustainable Development

*Dr Mark Doherty, European Space Research Institute, European Space Agency*

10:30 Cooperation in space under the Joint Africa-EU Strategy

*Francesco Affinito, European Commission Co-Chair of the African Union Commission –  
European Commission Joint Task Force for Science, Information Society and Space*

10:45 Questions and Discussions

11:00 Break

***Presenting flagship collaboration initiatives***

11:15 Navigation: Extending EGNOS to Southern Africa and the FP6 AFSAGA and FP7 ESESA projects

*Michel Bosco, Deputy Head of Unit, International Relations Galileo, DG Enterprise, European Commission*

*Eugene Avenant, South African National Space Agency*

11:45 Earth observation – a comprehensive portfolio:

(a) GMES/evolution of EU Earth observation programme

*Alan Belward, Head of Unit Global Environment Monitoring, Joint Research Centre, European Commission*

(b) South African Earth Observation Strategy

*Imraan Saloojee, Director: Space Science, Department of Science and Technology*

(c) South African – European leadership in building the Global Earth Observation System of Systems (GEOSS)

*Humbulani Mudau, GEO Secretariat, seconded from Department of Science and Technology*

(d) Joint Research Centre partnerships with the Council of Scientific and Industrial Research

*Michel Verstraete, Global Environment Monitoring, JRC, European Commission*

12:45 Questions and Discussion

13:00 Lunch

***South Africa – EU space research collaboration success stories from the Seventh Framework Programme (FP7)***

*Session to be chaired by Mr. Augusto Gonzalez, Head of Unit Space Policy, DG Enterprise, European Commission*

(a) EAMNET: Europe-Africa Marine Network

*Dr Stewart Bernard, Council for Scientific and Industrial Research*

(b) GARNET-E: Regional Network for Information Exchange and Training in Emergencies

*Prof Harold Annergarn, University of Johannesburg*

(c) MALAREO: Earth observation in malaria vector control and management

*Dr Michel Gebreslasie, Medical Research Council*

(d) WATPLAN: Spatial earth observation monitoring for planning and water allocation in the international Incomati Basin

*Dr Caren Jarman, University of KwaZulu-Natal*

(e) PLASMON: A new, ground based data-assimilative modeling of the Earth's plasma-sphere – a critical contribution to Radiation Belt modeling for Space Weather purposes

*Brett Delport, Hemanus Magnetic Observatory*

(f) DEORBIT SAIL: De-Orbiting of Satellites using Solar Sails

*Prof Willem Steyn, Stellenbosch University*

(g) GLOWASIS: A collaborative project aimed at pre-validation of a GMES Global Water Scarcity Information Service

*Dr Scott Sinclair, University of KwaZulu-Natal*

15:45 Questions and Discussions

16:00 Break

***Enhancing research capacities – youth and science and research infrastructure partnerships***

16:15 Space as a tool for Education – the work of the FP7 EUNAWA project: “Building on the International Year of Astronomy: Making young children aware of the Universe”

*Kevin Govender, Global Office of Astronomy for Development*

16:45 South Africa’s participation in FP7 astronomy projects: - PREPSKA: Preparatory Phase Proposal for the SKA; RADIONET-FP7: Advanced Radio Astronomy in Europe Network; CTT-PP: The Preparatory Phase for the Cherenkov Telescope Array

*Mamohloding Tlhagale, Deputy Director: Strategic Partnerships, Department of Science and Technology*

***Closing Session***

17:00 Presentation of conference conclusions by conference chair

17:15 Closing remarks

*Dr Valnathan Munsami, Department of Science and Technology and Augusto Gonzalez, European Commission*

17:30 End