

3rd African Leadership Conference on Space Science and Technology for Sustainable Development

Algiers, 7th- 9th December 2009

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COPUOS, Scientific and Technical Subcommittee 47ème session
Vienna, 8-19 February 2010

3rd African Leadership Conference

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1. Progress of the Conference
2. Participation
3. Conclusions
4. Adopted Recommendations
5. Signing of Agreements

**Under the High Patronage of His Excellency
the President of the Republic, Mr Abdelaziz BOUTEFLIKA**

The Algerian Space Agency (ASAL)

organizes

**The Third African Leadership Conference
on Space Science and Technology for Sustainable Development 'ALC-2009'**

« Building African Partnerships in Space »



07th - 09th December 2009, CNA - Algiers



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Support of the United Nations Office for Outer Space Affairs (UNOOSA)

Holding of the 3rd African Leadership Conference following to those held in Nigeria in 2005 and South Africa in 2007

The main Objectives :

to initiate a dynamics to raise awareness of African institutions and users on the importance of space sciences and technologies for sustainable development of African continent

to set up a sustained and coherent framework for exchange of information and development of competence around common themes

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1. Progress of the Conference:

The program of the conference:

- Two plenary sessions
- Five parallel workshops
- Two Round Tables
- 36 communications

▪ **Plenary Session 1:**

The space tool for Africa's development

➤ **Two parallel workshops**

- Cooperation in terms of disaster prevention & management in Africa;
- Earth observation for the monitoring of global climate change, the management of water resources and the fight against desertification in Africa.

▪ **Plenary Session 2:**

Promotion and development of the regional and inter-regional cooperation

➤ **Three parallel workshops**

- African Resource Management satellite Constellation (ARMC);
- Capacity building in space law and space policy
- Practical Measures for the development of the African Conference

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▪ Two round tables :

- Preparation of the International Astronautical Congress IAC 2011;
- Reinforcement of the inter-regional cooperation.

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Space Exhibition

- 5 exhibitions :

- ✓ General Direction of Forests
- ✓ National Agency for Cadastre and Land registration
- ✓ National Institute of Cartography and Remote Sensing
- ✓ Algerian Space Agency
- ✓ United Nations Office for Outer Space Affairs

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2. Participation:

- ✓ 142 Experts
- ✓ Ten countries, which six African countries :
ALGERIA, KENYA, NIGER, NIGERIA, SOUTH AFRICA, TUNISIA.
- ✓ International and Regional Organizations :
UNOOSA, UNESCO, FAO, ACMAD, OSS, CRASTE-LF, IAF

3. Conclusions :

Workshop 1: Cooperation in terms of disaster prevention & management in Africa

➤ Space technologies are necessary and essential to sustainable development of all African countries, as tool for disaster reduction, prevention and management

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Conclusions :

Workshop 2 : Earth observation for the monitoring of climate change

- Integrate space-based information and involve the scientific community for a better understanding of the vulnerability and the adaptation to the climate change
- Make an exhaustive inventory of human and material scientific capacities related to space sciences and technologies in order to meet the challenges presented by climate change and sustainable development in Africa

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Conclusions :

Workshop 3 : African Resources Management satellites Constellation (ARMC)

- Unanimous support of the participants to the ARMC initiative, emphasizing the objective of making space data available, accessible and indispensable to the African continent.

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Conclusions :

Workshop 4 : Capacity building in space law and space policy

- Set-up a common sub-regional/regional platform to permit dialogue and exchange of information about space policy and space law.
- Strengthen the education policy on space law within African universities.

Workshop 5 : Tasks of the Steering Committee

- Raise the African Union awareness on the support that could provide the African conference ALC 2009 to the use of space for development of Africa and emergence of an African common position in space.
- Create, within the International Astronautical Federation (IAF), a regional group in Africa in order to better coordinate the activities.

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4. Adopted Recommendations:

- Sustainability of ALC conferences. As such, the 4th conference will be held in Kenya in 2011.
- Strengthening national and regional capabilities, human resource, equipment and institutions, and their optimal mobilisation around prioritised objectives.
- Initiation of a dynamics for regional cooperation through pilot projects around themes shared by many African countries, with the support of African specialized institutions (space agencies, national centres, universities...).
- Addressing the following themes: disaster management, food security, climate change and its impacts on development.

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Adopted Recommendations:

- Development of a program to strengthen human resource through the support of investors and relying principally on organisations existing in the region (Regional Centres for Space Science and Technology Education).
- Launching a mobilization and information campaign with the international partners and investors for financial support of the priority projects to be developed, relying on NEPAD process.
- Request for support from UNOOSA, the African Union and the Economic Commission for Africa.
- Fast access to satellite data through the Regional Offices UN-SPIDER in Algiers and Abuja, which will provide technical assistance for an optimal exploitation to reduce the impacts of disasters.

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5. Signing of Agreements :

In parallel of the meeting of Algiers, the Algerian Space Agency signed two agreements:

- The first agreement, with UNOOSA on the establishment of a Regional Support Office in Algeria, for the use of Space-based Information for Disaster Management and Emergency Response (SPIDER Program), which will be in charge of coordination in North Africa.
- The second agreement, with Space Agency of Algeria, South Africa, Nigeria and Kenya, is about the implementation of an African constellation of Earth observation satellites for resources and environmental management (ARMC).

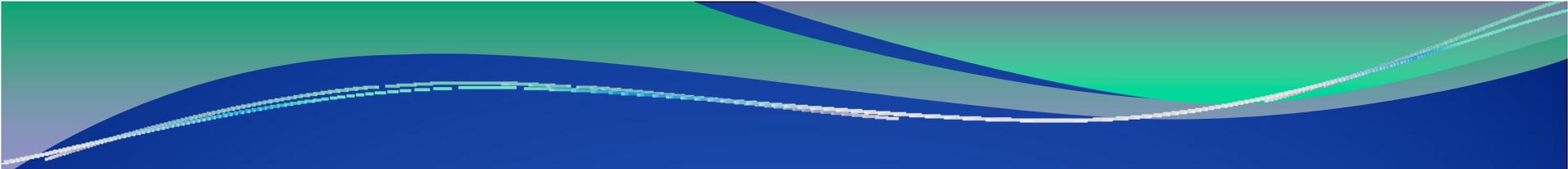
Signing of an Agreement between UNOOSA and ASAL on the establishment of a UN-SPIDER Regional Support Office in Algeria



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Signing of an Agreement between Algeria, South Africa, Nigeria and Kenya on the implementation of an African Resource Management Constellation (ARMC)





Thank You