

E-NEWS n°1 - April 2010

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Disclaimer

This E-News is published by the ESESA project whose aim is to support European and South African authorities to implement EGNOS Services in Southern Africa (SADC).

ESESA is a Collaborative Project co-funded by the European GNSS Supervisory Authority under the 7th Framework Programme and the Government of South Africa.

The views expressed in this E-News are those of the authors and do not necessarily represent those of the GSA or the European Commission.



Brussels - 3rd February 2010 Esesa Kick Off Meeting

Esesa has been kicked off on 3rd February in the European GNSS Supervisory Authority (GSA) premises in Brussels.

This collaborative project is co-funded by the 7th Framework Programme and the South African Department for Science and Technology. It is supervised by the GSA.



Esesa is an 18 months project to support the European and South African Authorities for the implementation of EGNOS Services over South Africa and SADC countries. It will prepare a roadmap and an action plan addressing the institutional and financial matters as well as the operational and system certification issues.

Esesa will also develop preparatory actions to the infrastructure development such as sites survey for the EGNOS Reference and Integrity Monitoring Stations (RIMS) and initial training for the teams who will be in charge of the infrastructure operations. Part of Esesa activities is a networking and dissemination work package which will support the dialogue and interaction with all GNSS stakeholders in Southern Africa.

See more on www.esesa.org



A French consultancy and engineering company specialized in GNSS and acting as Esesa coordinator



A UK GNSS consultancy company in the field of socio-economic matters

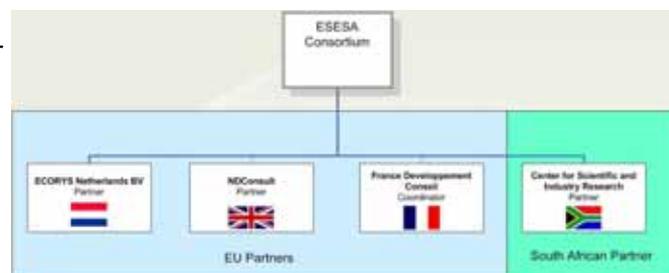


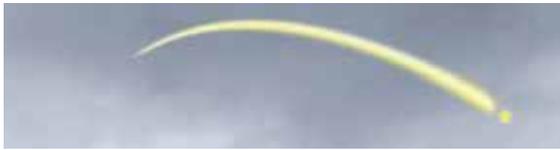
Part of a European group of consultancy and research organisations, ECORYS Netherlands BV is specialized in transport economics



The Satellite Applications Centre is a key component of the CSIR's efforts to maximise the benefit of information, communications and space technology in South Africa

Esesa PARTNERS



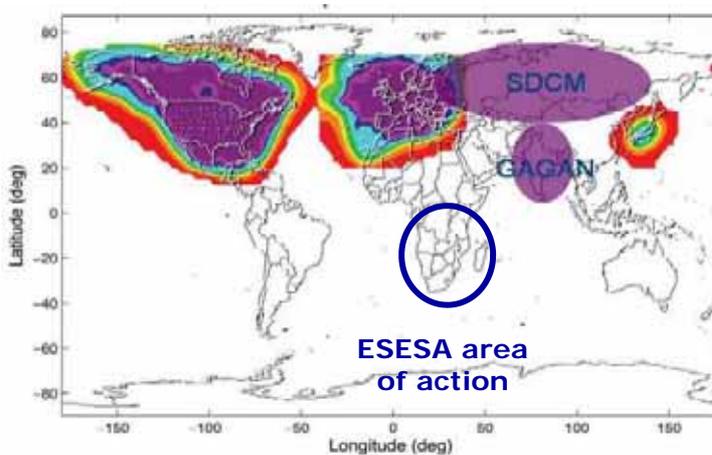
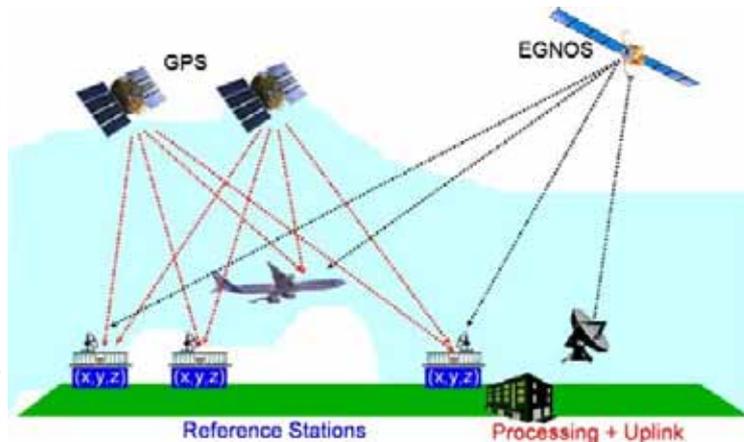


EGNOS background

EGNOS (European Geostationary Navigation Overlay Service) is the Europe's first concrete venture into satellite navigation. EGNOS is to deliver services based on GPS and Glonass signals, providing augmentation signals computed by a network of ground stations and re-transmitted by geostationary satellites. It is a Satellite Based Augmentation System (SBAS).

The user benefits are improved accuracy and integrity check of the position delivered by the receiver.

Currently the EGNOS service covers the EU and North Africa. With other SBAS systems, WAAS (US), GAGAN (India), MSAS (Japan) and SDCM (Russia) the northern hemisphere will be largely covered.



It is now time to improve this coverage towards South. Therefore the EU committed to extend the EGNOS service to Africa as this continent is in the footprint of the geostationary satellites broadcasting the EGNOS signals. This implies implementation of new ground infrastructure to compute the GPS and

and Glonass corrections and integrity for African users. As part of this global objective ESES is supporting the service implementation in Southern Africa.



The African Union and European Union Strategic Partnership and Cooperation in Space Applications and Technology

During the second EU-Africa summit, held in Lisbon in December 2007, African and European leaders adopted the **Africa-EU Strategic Partnership** in the areas of peace and security, democratic governance and human rights, trade and regional integration and other key development issues.

To reach early results on key points of the Lisbon Declaration, African and European partners agreed to focus on an number of selected priority actions to be implemented through "**Africa-EU Partnerships**" on subjects of common interest, which add value to existing cooperation and political dialogue.



The Strategy's "**First Action Plan 2008-2010**" outlines 8 areas for strategic partnership for 2008-10. Among them is the "**Africa-EU Partnership on Science, Information Society and Space**" which sets a priority action to enhance cooperation on space applications and technology. Subsequent activities are foreseen in the area of climate change monitoring (GMES), telecommunication and navigation (EGNOS and Galileo).

Actors of this Partnership are :

- AU Commission/NEPAD, African States;
- European Commission, EU Member States;
- European agencies such as the European Space Agency (ESA) and Eumetsat;
- Private Sector.

See more on http://www.africa-eu-partnership.org/index_en.php
http://ec.europa.eu/development/index_en.cfm



Next steps for ESESA: 2 workshops planned in South Africa

As a backbone of the ESESA program of work communication and interaction activities will feed the institutional, financial and operational studies. It is essential for the success of ESESA to deliver information to Southern Africa GNSS stakeholders as well as collecting their feedback on the different matters raised by the implementation of EGNOS over the SADC area.

ESESA has already planned two workshops of 1,5 day each looking at gathering actors of the service chain (regulators, service providers, potential investors, end users and industry). These events will constitute key points to validate ESESA findings, to improve the frameworks schemes and to provide sound information on EGNOS and Galileo.



- General, business and regional aviation workshop: this event is scheduled between 11th and 16th October 2010 in South Africa.

- Maritime, Rail, Surveying and precision agriculture workshop: this event is scheduled during the second half of January 2011.



More information on this workshops (programme, location, registration etc.) will be regularly available on the ESESA web site and in the next release of the ESESA Newsletter.

Further information to come on
<http://www.esesa.org>

