



How will Satellite Based Augmentation of the GPS signal benefit the maritime, logistics and agricultural sector in Africa?

A workshop on user needs and the technical and institutional challenges

France Développement Conseil (FDC), NDConsult, Ecorys and the CSIR Satellite Applications Centre take pleasure in inviting you to a workshop on determining the needs and unpacking the technical and institutional challenges for the maritime, logistics and agricultural sectors with regards to satellite based augmentation of the GPS and other satellite based navigation signals. The invitation is made possible through the funding of ESESA, a European Union Framework Programme 7 project.

Background

The EGNOS Service Extension to South Africa (ESESA) project, co-funded by the EU 7th FP and the South African Department of Science and Technology, proposes to progress SBAS implementation in South Africa by engaging all the beneficiary communities in South Africa and by encouraging the novel idea of combined investment in an EGNOS system for South Africa and SADC countries. The adopted stepwise approach for the implementation of the EGNOS infrastructure seeks for early benefits for all users.

The ESESA project aims to explore regional extension models for EGNOS. In particular, it aims at paving the way for the EGNOS implementation phase in southern Africa and SADC by addressing institutional and financial aspects and operational and certification matters, and by developing stakeholders' interest through awareness actions

Civil aviation is recognised as the primary beneficiary of the deployment of SBAS in Southern Africa, but it should be realised that the region is ready to use the system in many spheres of society and industry.



Objectives

This event is not only intended to raise awareness but also to validate with local actors the outcomes of the project as many players in the location based services domain are ready to embrace EGNOS in the region and would like to be kept abreast of developments

More background regarding the project and the technologies involved can be found at www.esesa.org

The workshop is aimed at the envisaged users of accurate satellite navigation information.

Programme

Day 1 – 2nd March 2011

9:30 – 10:00	Coffee and Registration	
10:00 – 10:20	Welcome and opening session	CSIR
	Workshop programme and logistics	FDC and CSIR

Workshop Thread 1: EGNOS extension for Southern Africa

10:20 – 10:40	EU GNSS cooperation in Africa	GSA
10:40 – 10:50	EU-South Africa space cooperation	CSIR/SANSA
10:50 – 11:00	Presentation of ESESA	CSIR/SANSA
11:00 – 11:15	Satellite based Augmentation (SBAS) in brief	GSA or FDC
11:15 – 11:30	Plans for EGNOS/SBAS in South Africa	CSIR/SANSA
11:30 – 11:45	Question session	



11:45-12:00 Coffee break

Workshop Thread 2: Status of current GNSS applications in South Africa

12:00 – 12:20	Biomass monitoring & flora/fauna inventory	Peace Parks Foundation
12:20 - 12:40	Precision Agriculture	CLM Positioning Systems
12:40 – 13:00	Freight tracking	Transnet (tbc)
13:00 – 13:15	Question session	
13:15 – 14:00	Lunch	
14:00 – 14:20	Application of SBAS in a maritime environment	SAMSA
14:20 – 14:40	Use of GNSS in vehicle tracking	Tracker (tbc)
14:40 – 15:00	GNSS in the Logistics environment	TBC
15:00 – 15:20	Surveying in Africa, a user case study	SMC
15:20 – 15:50	Question session	
15:50 – 16:05	Coffee break	
16:05 – 16:35	TRIGNET and AFREF	NGI

Day 1 closure

Day 2 – 3 March 2011

09:30 – 10:00 Coffee



Workshop Thread 3: the European GNSS programme and systems

10:00 – 10:15	Current EGNOS Programme Status and Perspectives	GSA
10:15 – 10:30	EDAS system and Commercial Data Distribution Service	GSA
10:30 – 10:40	European EGNOS projects	FDC
10:40 – 11:00	Coffee Break	
11:00 – 11:15	EGNOS/SBAS and aviation	TBC
11:15 - 11:30	Early results for aviation CBA in SA / SADC	ECORYS
11:30-12:30	Question session and discussion	
12:15 - 12:45	Workshop conclusions and closure	FDC –CSIR
12:45	Lunch	

Requirement and expectations from participants

Participants are not expected to be experts on satellite navigation. They should, however, approach the workshop with general requirements regarding navigation requirements in their specific area of expertise.

The workshops are free of charge but participants are expected to cover the costs incurred for attendance (travel and accommodation)

Logistics

Date: 2,3 March 2011

Place: Erinvale Estate hotel and spa
Lourensford Road
Somerset West
7130
South Africa

Language: English



Information about the venue can be found at:
www.erinvale.co.za

Points of contact:
WEB: www.esesa.org
e-mail: info@esesa.org

Workshop logistics:
Contact person:
Elsa de Beer
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Edebeer@csir.co.za



Workshop registration

Please complete the following or the online form at www.esesa.org, noting the marked compulsory fields.

Please fax or e-mail the completed form to:

e-mail: info@esesa.org

fax: +27 12 334 5001

Please respond by 24 February 2011

* Compulsory fields

Title	<input type="text"/>
First name *	<input type="text"/>
Last name *	<input type="text"/>
Organisation	<input type="text"/>
Industry sector	<input type="text"/>
Position	<input type="text"/>
E-mail *	<input type="text"/>
Contact number *	<input type="text"/>
Your interest in attending this Workshop?	
Special dietary requirements:	

