



**6th Training Course of the
TIGER Capacity Building Facility [TCBF]**
*(Advance in Earth Observation for
Water Resource Management)*
September, 7-11, 2015
Department of Science & Technology
Pretoria, South Africa



Monday, September 7th, 2015
Day 1 – Opening, Summary of Activities and Objectives

Welcome and Opening Session		
Chair: Dr Paida Mangara Manager: Research & Applications Development [SANSa Earth Observation]		
0	Registration	08:30 – 09:00
1	Chair: Dr Paida Mangara Manager: Research & Applications Development [SANSa Earth Observation]	09:00 – 09:05
2	Welcome Mr Humbulani Mudau – Chief Director: Space Science & Technology	09:05 – 09:15
3	SANSa : Regional TCBF office Dr Sandile Malinga – CEO: SANSa	09:15 – 09:25
4	ITC TIGER Capacity Building Facility [TCBF] Dr Zoltán Vekerdy - [ITC Faculty of Geo-Information Science & Earth Observation]	09:25 – 09:45
5	Keynote Advances in EO in water management (TIGER Heritage) Presentation by:	09:45 – 10:30
BREAK & Group Photo		10:30 – 11:00
Technical Session 1		
Chair: Dr Zoltán Vekerdy: [ITC Faculty of Geo-Information Science & Earth Observation]		
6	Advances in EO: ESA's Sentinel and Copernicus programmes Lecture by: Dr. Ben Gorte [TUD]	11:30 – 12:30
LUNCH		12:30 – 13:30
7	Advances in EO: ESA's Sentinel and Copernicus programmes... <i>(continued)</i> Lecture by: Dr. Ben Gorte [TUD]	13:35 – 15:00
BREAK		15:00 – 15:30
8	Data acquisition: Sentinels and other satellite images Exercise by: Dr. Zoltán Vekerdy [ITC]	15:30 – 17:00
ADJOURN		17:00
ICE-BREAKER hosted by ...SANSa ????.(Venue Casa Toscana)		18:30 – 21:00





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Tuesday, September 8th, 2015
Day 2: Lectures, Exercise and Demos

Technical Session 2		
Chair:		
9	EO of water bodies and land cover Lecture by: Dr. Ben Gorte [TUD]	09:00 – 10:30
BREAK		10:30 – 11:00
10	EO of water bodies and land cover... <i>(continued)</i> Lecture by: Dr. Ben Gorte [TUD]	11:00 – 12:30
LUNCH		12:30 – 13:30
11	EO of water bodies and land cover Exercise & demo by: Dr Zoltán Vekerdy [ITC] and Dr. Ben Gorte [TUD]	13:30 – 15:00
BREAK		15:00 – 15:30
12	Irrigation monitoring Exercise by: Dr. Zoltán Vekerdy [ITC]	15:30 – 17:00
ADJOURN		17:00





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Wednesday, September 9th, 2015
Day 3 – Lecture, Exercise & Tour

Technical Session 3 Chair:		
13	Irrigation monitoring... <i>(continued)</i> Lecture by: Dr. Zoltán Vekerdy [ITC]	09:00 – 10:30
BREAK		10:30 – 11:00
14	Irrigation monitoring Exercise by: Dr. Zoltán Vekerdy [ITC] and Dr. Ben Gorte [TUD]	11:00 – 12:30
LUNCH		12:30 – 13:30
15	Travel to SANSA Space Operations (Hartebeeshoek)	13:30 – 14:30
16	Presentation and tour the facility By: Raoul Hodges Director SANSA Space Operations	14:45 – 16:30
17	Time at leisure - possible visit to the Chameleon Village (Africa's finest market) – Hartebeespoort Dam	16:30 – 18:30
18	Travel back to Hotel	18:30 – 20:30





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Thursday, September 10th, 2015
Day 4 – Lecture, Exercise & Demo

Technical Session 4		
	Chair:	
19	Water Operations Information System [WOIS] Lecture & demo by: Dr Zoltán Vekerdy [ITC]	09:00 – 10:30
BREAK		10:30 – 11:00
20	Water Operations Information System [WOIS]... (The atelier and its tools ???) Introduction by: Bruno Meyer, Remote Sensing Technologist [SANSa Earth Observation]	11:00 – 12:30
LUNCH		12:30 – 14:00
21	WOIS workflow development for Evapotranspiration (ET) based on SEBAL Demo by: Bruno Meyer, Remote Sensing Technologist [SANSa Earth Observation]	14:00 – 15:30
BREAK		15:30 – 16:00
22	Application of Evapotranspiration (ET) for DWS Directorate: Compliance Monitoring.. Demo by: Bruno Meyer, Remote Sensing Technologist [SANSa Earth Observation]	16:00 – 17:30
ADJOURN		





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Friday, September 11th, 2015
Day 5 – Case studies, feedback session & closing

23	Urbanisation Practical use of EO for servitude monitoring Rand-water case Case study by: Willard /	09:00 – 10:30
23	Transition from of WOIS products into systematic product generation Case study by: Willard /	09:00 – 10:30
BREAK		10:30 – 11:00
24	Quest for improved of small water body monitoring Case study by: Oupa.....	11:00 – 12:30
LUNCH		12:30 – 13:30
25	Feedback session By: Dr. Zoltán Vekerdy [ITC], Dr. Ben Gorte [TUD] and Bruno Meyer [SANSA]	13:30 – 15:00
BREAK		15:00 – 15:30
26	Closing & hand out of certificates	15:30 – 16:15
ADJOURN		16:30

