



European Association of Remote Sensing Laboratories

PRELIMINARY PROGRAMME

25th EARSeL Symposium

6 - 11 June 2005

PORTO, Portugal

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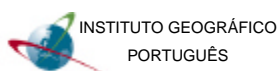
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31 May 2005

Monday – 6th June

09:00-12:30 – Registration at the DMA Building (Rua Campo Alegre, 687)

09:00-12:30 – **Council Meeting**

12:30-14:00 – Lunch

14:00-14:30 – Registration at the DMA Building (Rua Campo Alegre, 687)

14:30-14:45 – **Opening – Room** (ROOM D)

14:45-15:30 – **Ian Dowman (President ISPRS), *Is Remote Sensing delivering benefits for society?***

15:30-16:15 – **Rainer Sandau, *Small Satellites – Possibilities and Restrictions.***

16:15-16:40 – Coffee Break

16:40-17:20 – **Keith McCloy, *The Analysis of Temporal Image Data - Where from and where to.***

17:20-18:00 – **Stefano Bruzzi (ESA), *Earth Observation programmes at ESA and the Global Monitoring of Environment and Security.***

18:30-20:00 – Welcome Reception - Eng. António de Almeida Foundation

Tuesday – 7th June

08:30-09:00 – Registration

Session 1A. Agriculture Forestry and Vegetation (ROOM A)

Chairman: Zbigniew Bochenek

09:00-09:20 – D. Haboudane, et al.. *Retrieval of biophysical crop variables using radiative transfer models and ground-based empirical relationships*

09:20-09:40 – Y. Hirata, S. Kuramoto, K. Sato, R. Tabuchi. *Estimation of forest biomass using high-resolution satellite data and GIS data*

09:40-10:00 – Julia Yagüe, Pilar Garcia, Ma Eugenia Perez. *A Remote Sensing survey of vegetation communities adjacent to Myall Lakes, NSW, Australia*

10:00-10:20 – B. Café, R. Tavares, L. Pessanha. *The summer water stress of the Portuguese forest*

Session 2. Geological Hazards (ROOM B)

Chairman: Freek van der Meer

09:00-09:20 – S.Marsh, H.Modaressi, R.Helz, M.Paganini and R.Missotten. *Integrated Global Observation of Geohazards: Implementation via IGOS and GEOSS*

09:20-09:40 – O. D. Mavrantza, D. P. Argialas. *Object-oriented image analysis for the identification of geologic lineaments*

09:40-10:10 – Ivana Capková, Ján Kianicka. *SAR interferometry: Detecting small landslides in the area of Northern Bohemia*

10:10-10:20 – F. van der Meer, M. van der Meijde, H. van der Werff, J. Kooistra. *Detection of hazardous gas leakage from pipelines using anomalous spectral reflectance features of vegetation*

Session 3. Atmosphere (ROOM C)

Chairman: Eberhard Parlow

09:50-10:10 – Nuno César dos Santos Grosso. *Retrieving aerosol optical thickness from a MODIS dataset for the Lisbon metropolitan area using a contrast reduction method*

10:10-10:30 – Gergely Rigo, Eberhard Parlow, David Oesch. *Validation of satellite longwave emission with in-situ measurements and modeling of net radiation during BUBBLE*

10:30-11:00 – Coffee Break

Session 1B. Agriculture Forestry and Vegetation (ROOM A)

Chairman: Zbigniew Bochenek

11:00-11:20 – João M. N. Silva, José M. C. Pereira. *Burned area mapping in Africa with SPOT-VEGETATION imagery: accuracy assessment with Landsat ETM+ data, influence of spatial pattern and vegetation type*

11:20-11:40 – Marcin Sobczak, et al.. *Discrimination of high-mountain vegetation species by spectral features analysis. Case study of Tatra Mountrains*

11:40-12:00 – G. Macelloni, et al.. *Retrieval of crop biomass from multi-frequency polarimetric SAR data*

12:00-12:20 – Jean-Claude Berges, Bernard Lacaze, M. Faouzi Smiej. *A comparison of NOAA-AVHRR, SPOT-VEGETATION, and MSG-SEVIRI for continental scale vegetation monitoring*

Session 4A. Image Processing Techniques (ROOM B)

Chairman: J. Bioucas Dias

11:00-11:20 – Radja Khedam, et al.. *Evidential theory for multispectral classification of remotely senses imagery*

11:20-11:40 – André R. S. Marçal, Janete S. Borges. *Unsupervised hierarchical classification of multispectral satellite images*

11:40-12:00 – Qiaoping Zhang, Isabelle Couloigner. *Cluster analysis for road network extraction from multispectral imagery*

12:00-12:20 – L. Bouchemakh, et al. *Implementation of new methods of speckle noise reduction in SAR images*

12:30-14:00 – Lunch

Session 5. World Heritage (ROOM A)

Chairman: Mario Hernandez

- 14:00-14:20** – Rudi Goossens, et al.. *Estimation of the permafrost area in the Altai Mountains (Russia) in the frame of the preservation of the "kourgan" graves*
- 14:20-14:40** – Jos Bakker. *Using Remote Sensing to Support the Protection of World Natural Heritage Sites - Gorilla Habitats in Central Africa*
- 14:40-15:00** – Henri Paul Eloma Ikoleki. *Field use of the RS products for the WHS management in the Democratic Republic of Congo (DRC)*
- 15:00-15:20** – Walter Debruyne, et al. *Hyperspectral monitoring of coral reefs. Case study: Fordate, Tanimbar, Indonesia*
- 15:20-15:40** – A. Gruen, F. Remondino. *3D visualization of the Bamiyan Valley from high-resolution satellite imagery*

Session 6. Land Use Land Cover (ROOM C)

Chairman: Matthias Braun

- 14:00-14:20** – António Araújo, Mário Caetano. *Comparing land cover products CLC2000 and MOD12Q1 for Portugal*
- 14:20-14:40** – F. Bektas Balcik, et al.. *High resolution land use mapping of the Elmali Water Basin*
- 14:40-15:00** – Jerzy Chmiel, et al.. *The evaluation of usability of VHR satellite images for land cover/land use identification in agricultural landscape*
- 15:00-15:20** – Mário Caetano, Fernando Mata. *Accuracy assessment of CLC2000 for Portugal*
- 15:20-15:40** – Gergely Maucha, George Büttner. *Validation Of The European Corine Land Cover 2000 Database*

Session 4B. Image Processing Techniques (ROOM B)

Chairman: J. Bioucas Dias

- 14:00-14:20** – A. Fdez-Sarría, L.A. Ruiz, J.A. Recí. *Study of methods based on wavelets for texture classifications of high resolution images*
- 14:20-14:40** – Gonçalo Valadao, José M. Bioucas-Dias. *Phase unwrapping via graph cuts*
- 14:40-15:00** – M. Durrieu, L.A. Ruiz, A. Balaguer. *Analysis of geostatistical parameters for texture classification of satellite images*
- 15:00-15:20** – José M. P. Nascimento, José M. B. Dias. *Mixture of dirichlet sources applied to hyperspectral unmixing*

15:30-16:00 – Coffee Break

16:00-17:00 – Poster Presentations (1 slide, 2min. for each poster)

Poster Session A (ROOM A)

- Lopes, D., Neil Lucas, J. Aranha. *Carbon sequestration studies for the evergreen needleleaf vegetation of the Iberian Peninsula using MODIS products*
- Müfit Çetin, et al.. *Hyperspectral-based characterization of different vegetation species in Sundiken Mountain, Turkey*
- N. Musaoglu, et al.. *Assessment of forest degradation by means of RS data*
- M. Trombetti, G. Amatulli, R.Lasaponara. *The use of multi-temporal MODIS data for burnt area detection in the Italian peninsula through a classification tree approach*
- Sinan Bacha. *Forest resources inventory using RS in Tunisia*
- Agata Hoscilo. *Evaluation of plant regeneration after fire at wetlands area using RS data*
- Magdalena Wrzesien, et al.. *Estimation of leaf area index in dwarf mountaine pine using hyperspectral data*
- Carvalhais N. et al.. *Scale impace in net ecosystem productivity estimations*
- Iain D. Cameron, et al.. *SAR for inventory and height retrieval of neo-tropical savanna vegetation*
- R.Kancheva, D. Borisova. *Agricultural ground-level spectral modeling in support of RS data interpretation*
- C. R. Farquhar, C. R. I. Clayton, A. Retalis. *Use of Earth observation for sustainable development for Skiathos Island, Gre.*
- H.Gonca Coskun, Ahmet Öztopal, Semih Ekercin. *Water assessment from satellite data by use of genetic algorithms*
- Oluic M, et al.. *RS and geophysical survey in site investigations for special waste disposal – Case study Trgovska Gora (Croatia)*
- Benoît Gschwind, et al.. *SoDa: a web service delivering solar radiation information*
- Mohamad Rukieh. *The role of RS techniques in water studies*
- Oliveira P.A., et al.. *Remote Sensing and GIS for water district management: the Caia network case study*
- Halounová, L. Junek, P., Petruchová, J.. *Vegetation indices – tools for development evaluation in reclaimed areas*

- Garcia-Gigorro, S. et al.. *Land use classification in Spain using MERIS data*
- Filiz Bektas Balcik, Cigdem Goksel. *Analysing and mapping of Bozcaada Island land cover by means of RS and GIS integration*
- Jorge Rocha, et al.. *use/cover maps by RS and ancillary data integration in a GIS environment*
- Stanislaw Lewinski. *Land use classification of ASTER image – Legionowo test site*
- Borisova D., R. Kancheva. *Spectral mixture analysis of land cover*
- L. Bugalho, et al.. *Analysis of NDVI during summer period over Portugal*
- Corine Davids. *Quantification of changes in landcover following the Chernobyl accident, using multi-temporal Landsat imagery*
- S. Horion, et al.. *Relative soil moisture index derived from the Belgian crop growth monitoring system and SPOT-VGT NDWI for the crop water stress monitoring in Belgium*
- B. Lounis, A. Belhadj Aïssa. *Pollution signature of water quality using RS data*
- C. Karydas, et al.. *Environmental Status/ Impact Assessment associated to olive farming and olive oil production in Crete, Greece*

Poster Session B (ROOM B)

- Mario Lillo Saavedra, Consuelo Gonzalo Martin. *Objective determination of the degradation level of the multispectral and panchromatic images for fusion by means of the à trous algorithm*
- Kaya, S., Saroglu, E., Musaoglu, N.. *Vegetation – Impervious – Soil (VIS) Model: Defining earthquake damage in urban area by means of RS data*
- Saroglu, E., Kaya, S., Ormeci, C.. *Analysis of geometric accuracy of Landsat-6 TM and IRS 1D data by means of DGPS and map data*
- Ana Fonseca, João Casaca, Miguel Baio. *Assessment of positional quality of digital orthorectified images*
- K. Shahid Khurshid, et al.. *Retrieval of At-Surface reflectance from EO-1 Hyperion Hyperspectral data*
- Zsofia Kugler, Arpad Barsi. *Segmentation approach of aerial images to support flood risk analysis in Hungary*
- Wen-Ya Chiu, Isabelle Couloigner. *Fuzzy segmentation for wetland mapping*
- Marco Giardino, et al.. *Multitemporal terrain analysis through DEMs comparison: a geological case study*
- Doyno Iv. Petkov D, George St. Georgiev, Hristo St. Nikolov. *A Data Acquisition Field Network for Land State Monitoring*

- Manuel Arias Ballesteros, et al.. *Analysis of the mean sea level and its trend in the Iberian Atlantic and Mediterranean Sea from altimeter data and the PSMSL database*
- Couto, A.B., et al.. *Spatial variability of SST and chlorophyll a concentration at Sedlo and Seine seamounts, using AVHRR and SeaWiFS imagery*
- Litovchenko Konstantin Ts., Kostianoy A.G., Lavrova O.Yu. *Operational monitoring of oil spills in Baltic sea using ENVISAT ASAR*
- Andrey G. Kostianoy. *Satellite monitoring of the Caspian and Black Seas environment*
- A.M. Pérez Burgos , A. Calle Montes, J.L. Casanova Roque. *Estimation of Sea Surface Temperatures from MODIS Data*
- Boularbah Souissi, et al.. *Polarimetric response for target characterization*
- Mounira Ouarzeddine, et al.. *Noise filtering in the interferometric phase*
- Ana Prieto Blanco, et al.. *Satellite estimation of surface/atmosphere parameters: a sensitivity study*
- Sylvain Bidaut, Thierry Ranchin, Lucien Wald. *Mapping the aerodynamic roughness length using SAR data*
- Jose Antonio Tenedorio, et al.. *Great Lisbon metropolitan area land use/land cover characterization through multi-temporal and multi-resolution VIS components analysis*
- Parmegiani N., Poscolieri M.. *Study of the relations of the ancient communities with landscape in the South and West sides of the Sevan Lake area (Armenia)*
- R. Guillande. *Monitoring of Human activity pressure on natural and cultural sites in Libya and Madagascar*
- G. Csaki. *Introduction of digital technologies to the documentation and study of environ. effects to World Heriatage Monuments in the last two decades. on the base of case studies (Graveyard of Thebes, Egypt and Angkor, Cambodia)*
- Katarzyna Osinska-Skotak. *Influence of atmospheric correction on determination of lake water quality parameters based on CHRIS/PROBA images*
- Katarzyna Osinska-Skotak, et al. *Possibilities of lake water quality monitoring based on CHRIS/PROBA superspectral data*
- Gomez-Enri, J., et al.. *The retracking of ocean parameters in the Mediterranean Sea and the surrounding area of the Iberic Atlantic using RA-2 Envisat data*

17:00-18:00 – Interactive Poster Session (ROOM P)

International Journal of Remote Sensing

An Official Journal of the Remote Sensing and Photogrammetry Society

EDITOR-IN-CHIEF:

A. P. Cracknell, *Division of Electronic Engineering and Physics, University of Dundee, Dundee DD1 4HN, UK. Email: a.p.cracknell@dundee.ac.uk*

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Wednesday – 8th June

Session 7. Data Fusion (ROOM A)

Chairman: Lucien Wald

- 08:30-08:50** – A. Bouakache, et al.. *Characterisation of urban region of Algiers (Algeria) by multisource satellite images fusion using Dempster Shafer evidence theory*
- 08:50-09:10** – F.W. Acerbi-Junior, et al.. *MODIS and Landsat TM image fusion using the SIFuLAP method for mapping the Brazilian savannas (Cerrado)*
- 09:10-09:30** – Meenakshisundaram. V, Couloigner. I. *Quality assessment of fusion methods for high resolution images*
- 09:30-09:50** – Bruno Aiazzi, et al.. *MTF-tailored multi-resolution analysis for fusion multispectral and panchromatic images*
- 09:50-10:10** – Luciano Alparone, et al.. *The curvelet transform for fusion of very-high resolution multispectral and panchromatic images*
- 10:10-10:30** – Lucien Wald. *Image quality: the conclusions of the "Data Fusion" workshop of 2004*

Session 8. Environmental Applications (ROOM B)

Chairman: Walter Debruyn

- 09:00-09:20** – Alexander Siegmund, Simone Naumann. *Modelling of settlements-dynamics by object-oriented image and change detection analysis*
- 09:20-09:40** – Pedro Lopes, et al.. *Monitoring mosquito-borne diseases through Landsat images in Portugal*
- 09:40-10:00** – Stefan Lang, Elisabeth Schöpfer, Peter Zeil. *Using object-based image analysis in the context of environmental reporting*
- 10:00-10:20** – Ferdinand Bonn, et al.. *Spaceborne observation and modeling of erosion and non-point source pollution in agricultural catchments draining into lakes*
- 10:20-10:40** – Andrea Patrono, Asunción Saldaña López. *A proposal for a landscape integrated classification*

Session 9. Hydrology (ROOM C)

Chairman: Mário Caetano

09:00-09:20 – Carsten Montzka. *Combining agricultural economic and hydrological models with the aid of RS data*

09:20-09:40 – Anne M. Jochum, et al.. *Space-assisted irrigation management: an operational perspective*

09:40-10:00 – B. Café, et al.. *Potential use of MERIS to calculate irrigation necessities*

10:00-10:20 – Anatoly Shutko, et al.. *Passive Microwave Radiometry for Levee Monitoring*

10:20-10:40 – Aboudagga Nader, et al.. *Simulations by cellular automata of the floods in littoral lagoon areas*

10:30-11:00 – Coffee Break

Session 10. High Resolution Data (ROOM A)

Chairman: Peter Winkler

11:00-11:20 – R. Lasaponara, N. Masini. *QUICKBIRD-based analysis for archaeological investigations*

11:20-11:40 – Fabio Volpe, Livio Rossi. *Use of QUICKBIRD satellite data for natural, semi-natural and urban environments*

11:40-12:00 – Wieslaw Wolniewicz. *Geometrical capabilities of VHRS data*

12:00-12:20 – G. Csomai, et al.. *Evaluation of high and very high resolution images for remote sensing control of area-based subsidies and land parcel identification system in hungary*

Session 11A. Oceanography (ROOM B)

Chairman: Joana Fernandes

- 11:00-11:20** – C. Lázaro, et al.. *Geostrophic currents in the Northeast Atlantic derived from operational altimetry missions*
- 11:20-11:40** – S.M. Barbosa, et al.. *Comparison of sea level observations in the N. Atlantic from satellite altimetry and tide gauges*
- 11:40-12:00** – M. J. Fernandes, et al.. *Available satellite altimetry data sets – Implications on oceanographic studies*
- 12:00-12:40** – Quaresma dos Santos, José da Silva. *Non-linear ocean internal waves observed near Nazaré submarine canyon head*
- 12:20-12:40** – Couto, A.B., et al.. *Variability of SST and ocean colour on two seamounts of the NE Atlantic, using AVHRR and SeaWiFS imagery*

Session 12. Physical Processes (ROOM C)

Chairman: Preben Gudmandsen

- 11:00-11:20** – S. Pallotta, et al.. *Aggregation of the thermo-optical properties for a rugged heterogeneous surface in the infrared domain: a multi-scale model*
- 11:20-11:40** – Vanessa Heinzl, et al.. *The influence of illumination geometry on the classification accuracy in urban areas*
- 11:40-12:00** – Alexandra L. Nunes, André R.S. Marçal. *Atmospheric correction of ASTER VNIR data over turbid coastal waters*
- 12:00-12:20** – Corinne Frey, Gergely Rigo, Eberhard Parlow. *Investigation of the daily urban cooling island (UCI) in two coastal cities in an arid environment: Dubai and Abu Dhabi (U.A.E.)*

12:30-14:00 – Lunch

Session 13. Land Degradation and Desertification (ROOM C)

Chairman: Bernard Lacaze

14:10-14:30 – A. Bannari, et al.. *Fraction crop residue cover mapping using hyperspectral hyperion imagery and linear spectral mixture analysis*

14:30-15:50 – Weber C., et al.. *Assessing large scale erosion susceptibility by combining RS data and fuzzy logic modelling. Application to the Syros Island, Cyclades archipelagos, Gre.*

Session 14. Urban (ROOM A)

Chairman: Carsten Juergens

13:40-14:00 – Marc Binard et al.. *The usefulness of VHR images for public administrations in an urban hilly region*

14:00-14:20 – Tim Van de Voorde, William De Genst, Frank Canters. *Sub-pixel mapping of impervious surfaces from Landsat ETM+ data using reference proportions derived from VHR data*

14:20-14:40 – Koen C. Mertens, et al.. *Sub-pixel mapping: a comparison of techniques*

14:40-15:00 – Evelyne Frauman, Eléonore Wolff. *Change detection in urban areas using Very High Spatial Resolution satellite images. Case study in Brussels: locating main changes in order to update the Urban Information System (UrbIS) database*

15:00-16:00 – General Assembly (ROOM E)

16:00-16:30 – Coffee Break

16:30-23:00 – Boat Trip, Port Wine Cellar Visit and Symposium Dinner

E U R I M A G E

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THURSDAY – 9th June

Session 15A. 3D Remote Sensing (ROOM C)

Chairman: Karsten Jacobsen

09:00-09:20 – Karsten Jacobsen. *Comparative analysis of space image orientation*

09:20-09:40 – Simon Kay, et al.. *Quality checking of DEM derived from satellite data (SPOT and SRTM)*

09:40-10:00 – Kervyn de Meerendré M., Goossens R., Ernst G.G.J.. *Comparative Analysis of ASTER-derived DEM and SRTM DEM for Morphological Study of Volcanic Terrains*

10:00-10:20 – Nicolaos Sifakis, et al.. *3D mapping of air pollution cloud using high spatial resolution EO data*

Session 17. Temporal Analysis (ROOM B)

Chairman: Keith McCloy

09:00-09:20 – Leonid Vasiliev.. *Perturbation in global precipitation from multi-temporal RS observation*

09:20-09:40 – Rob Dekker. *SAR change detection techniques and application*

09:40-10:00 – Simonetto Elisabeth, et al.. *Urban subsidence seen by DiffinSar: temporal deformation series derived from a least-squared technique*

10:00-10:20 – Paulo Gonçalves, et al.. *Land Cover Classification Support Vector Machine applied to MODIS Imager.*

10:30-11:00 – Coffee Break

Session 15B. 3D Remote Sensing (ROOM C)

Chairman: Karsten Jacobsen

11:00-11:20 – Büyüksalih, G., Akcin, H., Marangoz, A., Jacobsen, K.. *Potential of KOMPSAT-1 for Mapping Purposes*

11:20-11:40 – Christodoulou Konstantinos, et al.. *Accuracy evaluation of DEM and orthoimages derived from aerial stereo photos and Quick Bird images*

11:40-12:00 – R. Tapia, R. Goossens. *DEM and orthoimage generation from ASTER L1B images for remote areas*

Session 16. New Sensors & Instruments (ROOM B)

Chairman: Eberhard Parlow

11:00-11:20 – N. Lewyckyj, J. Everaerts. *The Pegasus project: using Stratellites for Environmental Earth observation*

11:20-11:40 – Cavalli R. M., et al.. *Comparative evaluation of MIVIS and Hyperion hyperspectral data (0.4-2.4 μm) on the Pollino National Park (Italy)*

12:30-14:00 – Lunch

LOCATION: REITORIA AUDITORIUM (Rua D. Manuel II)

14:00-15:00 – Carsten Brockman (Brockmann Consult), *MERIS Products - getting, understanding and using them for open oceans and coastal zone applications*

15:15-16:15 – Delilah Al Khudhairy (Joint Research Centre), *Tsunamis: Characteristics, early warning systems and information needs of relief response and post-recovery operations*

16:15-16:45 – Closing Session

25th EARSeL Symposium, General Assembly and Workshops

6-11 June 2005

Faculdade de Ciências, Universidade do Porto

Departamento de Matemática Aplicada
Rua do Campo Alegre, 687
4169-007 Porto, Portugal

Monday 6 th June 2005	Tuesday 7 th June 2005	Wednesday 8 th June 2005	Thursday 9 th June 2005	Friday 10 th June 2005	Saturday 11 th June 2005
Council Meeting		General Assembly			
25 th EARSeL Symposium Global Developments in Environmental Earth Observation from Space					
			2 nd Workshop Remote Sensing of the Coastal Zone		
				1 st Workshop 3D Remote Sensing	
Welcome Reception		Boat Trip Symposium Dinner	Workshops Icebreaker	Workshops Dinner	

	MONDAY – 6 th June	TUESDAY – 7 th June			WEDNESDAY – 8 th June			THURSDAY – 9 th June	
8:30 – 9:00	Registration	Registration							
9:00 – 9:30	Council Meeting	1A. Agric. Forest. Veget.	2. Geological Hazards	3. Atmosph.	7. Data Fusion	8. Environm Applications	9. Hydrology	15A. 3D Remote Sensing	17. Temporal Analysis
9:30 – 10:00									
10:00 – 10:30									
10:30 – 11:00	Coffee Break	Coffee Break			Coffee Break			Coffee Break	
11:00 – 11:30	Council Meeting	1B. Agriculture Forestry and Vegetation	4A. Image Processing Techniques	10. High Resolution data	11. Oceanog.	12. Physical Processes	15B. 3D Remote Sensing	16. New Sensors & Instruments	
11:30 – 12:00									
12:00 – 12:30									
12:30 – 14:00	Lunch	Lunch			Lunch			Lunch BUS Transfer	
14:00 – 14:30	Registration	5. World Heritage	6. Land Use Land Cover	4B. Image Processing Techniq.	13. Land Degr. Desertification	14. Urban	Tutorial		
14:30 – 15:00	Opening Keynote 1								
15:00 – 15:30							Coffee Break		
15:30 – 16:00	Coffee Break	Coffee Break			Coffee Break			Closing	
16:00 – 16:30	Keynote 2 & 3	Poster 1	Poster 2	Boat Trip Port Wine Cellar Visit Symposium Dinner					
16:30 – 17:00		Poster Session							
17:00 – 17:30									
17:30 – 18:00	Welcome Reception								
18:00 – 19:00									
19:00 – 20:00									
20:00 – 23:00									



European Association of
Remote Sensing Laboratories

25th EARSeL Symposium

6 - 11 June 2005 - PORTO, Portugal

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