

# Curriculum Vitae



## Personal data

**Mounir GHRIBI, Ph.D.**

**Date of birth:** 7 January 1971

**Nationalities:** Tunisian and Italian

**Contact details:**

Research Promotion and International Cooperation

OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale)

Borgo Grotta Gigante, 42/c

34010 SGONICO (TS)

ITALY

Tel.: + 39 040 2140269

Mobile: +39 347 1675996

Email: [mghribi@ogs.trieste.it](mailto:mghribi@ogs.trieste.it) and [mounir.ghribi@gmail.com](mailto:mounir.ghribi@gmail.com)

## Education

**Ph.D., 2004**

Doctorate in “Methods for bio-monitoring environmental change”, specialized in GIS (Geographic Information Systems) and remote sensing, University of Trieste, Italy (*Dottorato di ricerca in metodologie di biomonitoraggio dell’alterazione ambientale, Facoltà di Scienze matematiche, fisiche e naturali, Università degli Studi di Trieste*).

**Master in Open Innovation and Knowledge Transfer (MIT), 2015**

Two years Master, knowledge and managerial skills for the management of innovation, research and development (R & D). Politecnico di Milano (Poli-Mi), Italy.

**M.Sc. (Master of Sciences), 1999**

Master of Sciences degree in Environmental Management, two years master of sciences at the Mediterranean Agronomic Institute of Chania (MAICh), Greece.

**D.S.P.U (Specialised Post-University Diploma), 1997**

Specialised Post-University Diploma, Environment Management of Natural Resources, one year post-university studies diploma at the Mediterranean Agronomic Institute of Chania (MAICh), Greece. Fellowship Grant of the International Centre for Advanced Mediterranean Agronomic Studies (Spécialisation Post-Universitaire, Centre international de Hautes Etudes Agronomiques Méditerranéennes, CIHEAM), Paris, France.

**D.E.A (Diplôme d’études approfondies), 1996**

One-year post-university diploma course of Ecology (Diplôme d’études approfondies en écologie), University of Natural Sciences, Tunis, Tunisia.

**Laurea in Engineering (Diplôme universitaire d’ingénieur), 1995**

Agriculture engineer, five years university studies engineering diploma at ESA Mateur, University of Tunis II, Tunisia.

**Math-sciences Baccalaureate (Baccalauréat), 1990**

Lycée Math-sciences d’Ain Draham, Tunisia.

## Relevant work experience

**Since July 2013**

**In Charge of International Cooperation** and **Scientific Coordinator** of the OGS training programme on Blue Growth

Office of the President, OGS (National Institute for Oceanography and Applied Geophysics), Trieste, Italy and **Delegate** of the Italian Ministry for Education, University and Research

(Ministero dell'Istruzione, dell'Università e della Ricerca - MIUR) in the Dialogue 5 +5  
OGS staff member  
Trieste, Italy

Duties and responsibilities:

- planning and implementation of OGS's scientific initiatives;
- research promotion, internationalization and fundraising;
- fellowships, mobility and talents attraction and circulation;
- capacity building and technology transfer;
- institutional networking and e-learning.

**November 2006 - December 2012**

**Associate Scientific Officer**, UNIDO-ICS programme on environment and renewable energies;  
UNIDO staff member (Professional Category - P2)  
ICS Trieste, Italy

Duties and responsibilities:

- coordinate projects and training activities of the UNIDO-ICS programme on renewable energy technologies;
- prepare and implement work plan on environmental management, renewable energy technologies and geographic information systems (GIS) initiatives;
- direct the development and implementation of the training activities and deliver lectures during the events;
- prepare specific contributions for the ICS yearly work programme, progress reports and activity reports;
- ensure overall coordination for the organization of training activities as well as e-learning courses, (this includes develop event's agenda and thematic topics/sessions, identify and select speakers/lecturers);
- select experts/consultants and provide overall guidance to technical staff for the preparation of substantive report;
- monitor and train fellows (international experts coming mainly from developing countries);
- provide technical guidance and coordinate consultants;
- support the Office of the Managing Director in the dissemination and communication of research achievements and R&D project results;
- maintain liaison with partner-institutions (centres of excellence and universities) and international organizations.

**January 2000- October 2006**

**Scientific Assistant**, UNIDO-ICS programme on cleaner production and sustainable industrial development;  
UNIDO staff member  
ICS Trieste, Italy

Duties and responsibilities:

Provide scientific assistance to the Chief of the ICS Environment Unit for the formulation, implementation and monitoring of scientific programmes and trainings.

This includes:

- assist in the overall organization and coordination of training activities;
- review training proposals from Developing Countries (DCs) and ensure uniformity;
- contribute to the identification and preparation of training proposals including joint training courses, workshops and seminars with other international organizations and partner-institutions in DCs in aspects related to cleaner production, environmental planning, PRTR, GIS, etc.;
- design training and coordinate various implementation phases including development of concept papers, aide mémoire, agenda, selection and invitation of participants, selection of training materials and final reports;
- select lecturers and participants;
- ensure uniformity for the publication of training activities' material such as proceedings, posters, brochures and leaflets;
- coordinate specific tasks within extra-budgetary projects and ensure timely reporting to donors, including selecting experts to conduct project work packages and preparing related job descriptions and work plans;
- supervise the work of fellows (junior scientists/technologists) from DCs.

**September 2008- present**

**Distinguished Faculty Member**

Selected as faculty member as individual associate to the Euclid University, Washington DC, USA

Intergovernmental organization and distance learning institution

<http://www.euclid.int/facultyprofiles.asp>

**April 2005- December 2005**

**University lecturer**

Professor for post-university course and serve as tutor to students within ICS-UNIDO in-kind contribution to the Master Course in geographic information science for the spatial and economic analysis and decisions. The Master is a contribution to the project "Masters for the Balkans", promoted by the Italian Institute for Foreign Trades.

**March 1998- December 1999**

**ICS fellow**

Area of Earth, Environmental and Marine Sciences and Technologies

ICS-UNIDO, Trieste, Italy

Fellow for both ICS sub-programmes on "Cleaner Production & Sustainable Industrial Development" and "Coastal Zone Management"

Duties and responsibilities:

- perform environmental studies using GIS and remote sensing to create geo-databases;
- prepare scientific publications including articles, posters, books, training manuals and training packages.

**December 1995- July 1996**

**Scientific adviser/Engineer**

APIA, Tunis, Tunisia

Active member of team of experts and engineers, APIA, the Agency for the Promotion of Agriculture Investments and projects' funding (Agence de Promotion des Investissements Agricoles).

Duties and responsibilities:

- evaluate project proposals for national development, in particular examination of project feasibility through agricultural system performance prior to project funding;
- plan and implement projects for rural development and conduct in-the-field surveys;

**March 1995- June 1995**

**Internship/Engineer**, Ministry of Environment, Tunis, Tunisia

Duties and responsibilities:

- evaluate project proposals related to rural development in the urban and sub-urban areas of Tunis, joint project with CRDA (Commissaire Régionale du Développement Agricole)

**July-September 1994**

Internship, OTD- Office des Terres Domaniales, Intilaka

Beni Khalled, Tunisia

Duties and responsibilities:

- evaluate the production system and preparation of technical reports about animal performance and forage production at the OTD (Office des Terres Domaniales) firms

**July-September 1993**

Internship, SMADEA- Société Marja de Développement de l'Elevage et de l'Agriculture

Bou Salem, Tunisia

Duties and responsibilities:

- Evaluate the production system and the water usage for irrigation in selected firms in the North of Tunisia, Société MARJA d'élevage et d'agriculture

**Linguistic competencies**

- **Arabic**: Mother tongue.
- **French**: Excellent skills in writing, reading and speaking (UN languages certificate: Certificat d'aptitudes linguistiques de l'Organisation des Nations Unies).
- **English**: Excellent skills in writing, reading and speaking (TOFEL: Test of English as a Foreign Language, MAICh 1997).
- **Italian**: Excellent skills in writing, reading and speaking.

## Computer knowledge

- **COMFAR Expert** (UNIDO Financial Appraisal Software) to simulate the short- and long-term financial and economic situations of investment projects;
- Computer based training on project management and **IPSAS** (International Public Sector Accounting Standards), including: orientation to IPSAS; accrual basics; accounting for property, plant and equipment and accounting for inventories;
- **Delft-3D** (Environmental simulation software for hydro-dynamic modelling and pollution monitoring), including: Delft-3D FLOW (2 and 3D hydrodynamic, salinity, temperature, transport and morphology), Delft-3D WAQ (water quality) and Delft-3D PART (particle tracking, oil spill modelling).
- **ESRI ArcGIS, IDRISI, ERDAS Imagine, MultiSpec, ENVI, GrADS, GRASS, Grassland, MAPinfo** (GIS, remote sensing and image engineering software packages)
- **DIVA-GIS** Map and query climate data; Predict species distributions using the **BIOCLIM** or **DOMAIN** models; Make grid maps of the distribution of biological diversity, to identify “hotspots” and areas that have complementary levels of diversity.
- **PCI geomatics and DORIS** (Radar Interferometric Image Processing)
- **MULINO** Multi-sectoral Integrated and Operational decision support tool
- **Paint Shop Pro, PhotoShop, MS Paint and MS Editor** (Image processing software packages)
- **SAS, SPSS, Syntax, STATISTICA** (data mining, statistical analysis software)
- **LINDO** (Linear programming system), **SuperPRO** (Multipurpose land management program), **Behave** (Fire behaviour prediction system) and **Olihelp** (Quantitative environmental analysis program)
- **DEFINITE** (Software system to support decisions on a finite set of alternatives)
- Operating systems: **Linux & Unix** platforms and **Windows** with related Microsoft office components (Excel, Word, PowerPoint, Publisher, Access, Project, etc.);

## Selected publications

### Books

- Ghribi, M. (2005) GIS applications for monitoring environmental change and supporting decision-making in developing countries, ICS-UNIDO.

### Training Packages

- ICS-UNIDO (2000) Training manual on the “Introduction to Geographic Information Systems for Industrial Development”, UNIDO Vienna.
- ICS-UNIDO (2001) Training package on “Integrated Coastal Areas Management”, UNIDO Vienna.

### Proceedings

- ICS-UNIDO (2001) IT-supported services within the context of sustainable development, page 14, International conference on science and technology for sustainable technological development in Central European Countries, Belgrade, 9-10 May 2001;
- Ghribi, M. and Feoli, E. (2001) ICS-UNIDO proceedings of the workshop on "Industrial Development in Coastal Areas of South-East Asia", Hanoi, Vietnam (VNM), 25-27 June 2001.

### Articles

- Ghribi, M. et al. (2006) Use of Multi-criteria Evaluation as Spatial Decision Support Systems tool for optimal site planning of industrial development.
- Ghribi, M. and Hubina, T. (2006) Environmental capacity and awareness building for supporting decision-making in developing countries: pilot case studies;
- Ghribi, M., Feoli, E. and Scimone, M. (2005) Multi-sectoral approaches to DSS uses in water management within NOSTRUM-DSS project.

### Posters and Multi-media packages

- M. Ghribi, T. Hubina, G. Longo and L. Song (2007) GIS application for optimal site planning of KOBOLD turbine for the exploitation of marine current as energy source in China;
- M. Ghribi, T. Hubina, G. Longo and H. Yusron (2007) Mapping optimal sites for the exploitation of marine currents energy in Indonesia;
- M. Ghribi, L.C. Carasi, T. Hubina and G. Longo (2007) Optimal site planning of KOBOLD turbine using GIS: a case study in the Philippines;
- M. Ghribi, T. Hubina, G. Longo, R. Lounissi and L. Sayahi (2007) Geographical traceability in agriculture: the use of GIS as traceability tool for agriculture products in Tunisia;

- Ghribi, M., Altobelli, A., Longo, G., Mattassi, G. and Ortolan, I. (2004) GIS-based Ecological Assessment Tool for the Lagoon of Grado-Marano, Italy;
- M. Ghribi, A. Chaouti and G. Longo (2004) MECO Multimedia Package: Baseline research for the integrated sustainable management of Mediterranean sensitive coastal ecosystems;
- Ghribi, M., El-Haggar, S.M. and Longo, G. (2004) Agriculture waste as energy source in developing countries: a case study in Egypt on the utilization of agriculture waste through complexes, International Conference on "Renewable Resources and Renewable Energy: A Global Challenge" to be held on 10-12 June 2004 at the AREA Science Park, Trieste, Italy;
- Ghribi, M. (2003) Indicator value of vegetation in monitoring environmental change in rural-urban interface: A Markov dynamic modelling of land use/ land cover change in the coastal area of the gulf of Tunis, Tunisia, Conference on Monsoon Environments: Agricultural and Hydrological Impacts of Seasonal Variability and Climate Change, 24-28 March 2003, ICTP, Trieste, Italy;
- Ghribi, M., Vranes, S., Longo, G., Miertus, S. and Pizzio, F. (2002) Software Toolset for Sustainable Decision-making, CD-ROM Proceedings of BRITISH ACADEMY OF MANAGEMENT annual conference 2002, Hosted by Middlesex University Business School, Fast-Tracking Performance Through Partnerships, 9<sup>th</sup>-11<sup>th</sup> September 2002, Hammersmith, London, UK;
- Ghribi, M. and Altobelli, A. (2001) Technologies for the management of environmental resources and cleaner productions, C.I.P. INTERREG, CADSES trans-national conference, 5-7 December 2001, Trieste, Italy;
- Ghribi, M., Milesi, C., Altobelli, A. and Jhayder, B. (1998) Education and training in integrated coastal area management, Conference on, 25-29 May, 1998, Genoa, Italy.

**Specific training for strengthening professional excellence**

- Short training on "European Commission-Africa Call: A targeted research effort to meet the challenges for Water, Food Security and Better Health for Africa". EC research opportunities for the African continent offered by the Call FP7-AFRICA-2010.
- Training course on "Advanced security in the field- staff safety, health and welfare", United Nations Certificate, January 2007;
- Training course on "Risk Assessment of Contaminated Sites (Analisi di rischio dei siti contaminati)", 22-24 May 2006, Hydrotech, AREA Science Park, Trieste, Italy;
- Training course on "Delft-3D environmental simulation software for hydro-dynamic modelling and pollution monitoring", Delft City, The Netherlands, 23-27 May 2005;
- UNIDO training workshop on Financial Appraisal Software (COMFAR III Expert) to simulate the short- and long-term financial and economic situation of investment projects at UNIDO headquarters, Vienna, Austria, 14-18 June 2004;
- Training course on "Basic security in the field- staff safety, health and welfare", United Nations Certificate, December 17, 2003;
- UNIDO training workshop on "Strengthening Professional Excellence for Senior Managers and Professional Staff", 14 November 2003, ICS, Trieste, Italy;
- Training workshop on Project Cycle Management, 10-13 June 2003, ICS-UNIDO, AREA Science Park, Trieste, Italy;
- Training course on "Integrated Coastal Area Management", 2-6 December 2002, Choluteca, Honduras;
- Short course on "GIS-GRASS", Department of Biology, University of Trieste, 08 June 2000, Trieste, Italy;
- Short course on "Expert Systems and Artificial Neural Networks", Department of Biology, University of Trieste, 21 February 2000, Trieste, Italy;
- School on "Exploring the atmosphere by Remote Sensing techniques, the Abdus Salam centre for theoretical physics", 18 October- 5 November 1999, ICTP, Trieste, Italy;
- Training course on "Image classification techniques; algorithms and methodologies", 5-9 April 1999, Trieste, Italy;
- Training course on "Process Simulation (project organisation, general aspect of process simulation, component database, data preparation, validation and regression, thermodynamic models)", 22-26 March 1999, Trieste, Italy;
- Training course on "Image Processing technologies for Industrial Pollution monitoring in the Mediterranean Coastal Areas", 23-27 November 1998, ICS-UNIDO, Trieste, Italy.

**Projects' involvement**

**EC financially supported projects**

- SARIB: Sustainable Use, Management and Protection of Water Resources in the Sava River Basin region. Funded by the European Commission Sixth Framework Programme under Specific Targeted Research Projects, FP6-2002-INCO-WBC-1 (2003-2006);
- NOSTRUM-DSS: Network on governance, science and technology for sustainable water resources management in the Mediterranean. Funded by the European Commission



within its Sixth Framework Programme on Research, Technological Development and Demonstration, FP6-2002-INCO-MPC-1(2003-2006).

### ICS project concepts

- [Establishment of a Centre of Technological Innovation in Peru](#) , Lima (Peru), Starting date: February 2005, Duration: 24 month(s)
- [Promotion and sustain to multidisciplinary approach to eco-based processes and products in the nanotechnology field and in particular in the implementation of molecular modelling approach](#) , Western Balkan countries (To be defined), Starting date: January 2005, Duration: 24 month(s)
- [Eco-design programme for SMEs in the Philippines to support environmental and economic sustainability](#) , Philippines, Developing countries (To be defined), Starting date: January 2005, Duration: 24 month(s)
- [Solid waste management, water and soil remediation and land-use planning in the coastal areas of the Gulf of Fonseca](#) , Gulf of Fonseca (Honduras), Starting date: January 2005, Duration: 24 month(s)
- [Implementing an Integrated Regional Data and an Information Management System for Decision-Making in the Guinea Current Region](#) , Guinea current region (To be defined), Starting date: November 2004, Duration: 36 month(s)
- [Establishment of a technological centre for supporting sustainable industrial development](#) , Quito (Ecuador), Starting date: January 2004, Duration: 36 month(s)
- [Multimedia package “Baseline research for the integrated sustainable management of Mediterranean sensitive coastal ecosystems” for coastal managers, scientists and all those studying processes and management in the Mediterranean](#) , Malta, Morocco, Tunisia, Starting date: January 2004, Duration: 36 month(s)
- [Decision-support systems for water pumping using photovoltaic solar energy](#) , Burkina Faso, Starting date: January 2004, Duration: 12 month(s)
- [Sectorial expertise support to the promotion of the project proposal on the creation of a technological centre in Venezuela](#) , Venezuela, Starting date: 2004, Duration: 36 month(s)
- [Capacity building of human resources in environmental problems](#) , Algeria, Egypt, Libyan Arab Jamahiriya, Morocco, Syrian Arab Republic, Tunisia, Turkey, Starting date: November 2003, Duration: 8 month(s);
- [Support for the establishment and reinforcement of national capacities in the field of environment and the introduction of environmental education to primary and secondary teaching](#) , Cairo and Alexandria (Egypt), Trieste (Italy), Starting date: September 2001, Duration: 1 month(s);
- [Ecological Protection and Remediation of the Modrac Reservoir Water System as Basic Resource for Water Supply of Citizens and Industry in the Municipalities of Tuzla Canton, Danube Basin](#) , Tuzla Canton (Bosnia and Herzegovina), Starting date: January 2001, Duration: 24 month(s).

### Field study

13-25 June 2007, China

Upon request of the Ministry of Agriculture of China, the Special Economy Generalization of China Society of Cooperative Economy (CSCE) and UNIDO PTC/ITP/OD Unit and other related governmental institutions, to assist with the design and planning activities for the programme of the Chinese Network of Ecological Villages. This includes:

- GIS for optimal site selection of pilot villages as fundamental units for the CNEV programme;
- Strategic planning of biological agriculture and traceability of agro-ecological products;
- Sustainable energy: building more solid foundation for 100% renewable energy.

Main objectives of the field mission:

- Visiting 4 villages to gain a better understanding of China's villages;
- Exchanging ideas regarding needed data with Chinese experts;
- Training of Chinese experts.

### Workshops, expert group meetings (EGM) and conferences

- 8th CO2GeoNet Open Forum- a resource for Europe providing scientific support for the geological storage of CO2, San Servolo Island, Venice, 9-11 April 2013;
- Conference on “Perspectives on Migration”, ISF-MI, in collaboration with the Polytechnic of Milan and the Engineers Without Borders, Polytechnic of Milan, Milan, Friday, March 1, 2013;
- Sustainable energy strategies in low and middle-income economies: Blending technology, finance and policy beyond 2012, Polytechnic di Milano, Milan, 22-23

November 2012,

- Conference on “Technologies and best practices for optimal utilization of by-products in the coffee value chain: how to increase sustainability in the coffee supply chain in East African countries, 11-14 June 2012, Trieste, Italy;
- Workshop on renewable energy technologies for productive uses in developing countries, 17-19 April 2012, Trieste, Italy;
- EGM on Waste-to-energy production: lignocellulosic biofuels from agro-waste, 11-13 April 2012, Trieste, Italy;
- EGM on Potential of renewable energy options in off-grid areas in Africa: Importance of mini-grid energy systems, 3-5 April 2012, Trieste, Italy;
- EGM on Emerging technologies for production of biofuels and chemicals from algae and potentials for developing countries, 19-21 Mars 2012, Trieste, Italy;
- International School on Geothermal Exploration, 28 Nov. to 6 Dec. 2011, Trieste, Italy;
- EGM on Process Simulation for a Greener Footprint and Energy Saving at Industrial Level, 26-27 May 2011, Trieste, Italy;
- EGM on Post-Harvest Technologies Management Systems, 11-13 May 2011, Trieste, Italy;
- Expert Group Meeting on Biofuels and bio-based chemicals. An opportunity for developing countries?, 9-11 may 2011, Trieste, Italy;
- Instruments and Potential for the Use of Renewable Energies for Regional Development, 3-5 may 2011, Trieste, Italy;
- Interregional Expert Meeting/Study Tour of experts from Africa and Latin America exposed to geothermal application and management in Mexico, 8 Apr. 2011, Trieste, Italy;
- ICS-UNIDO Internal Working session on Promotion of Post-harvest technology, Food Safety and Export Trade in Developing Countries, 28 Feb. to 1 Mars 2011, Trieste, Italy;
- Expert Group Meeting: Next Generation Bio-Fuels and Bio-Refineries: Case Studies for Selected East European Countries , December 2009, Trieste, Italy;
- Fourth edition of "ICT 4 All Forum-Tunis+4", 24-25 November 2009, Hammamet, Tunisia;
- [Expert Group Meeting: Expert Group Meeting on "Feasibility of projects for pilot production of next generation biofuels and chemicals from biomass in African, Caribbean and Pacific countries"](#) , November 2009, Trieste, Italy;
- [School on Geothermics](#) , October 2009, Trieste, Italy;
- [Seminar: Seminar on Innovative Ideas for Geothermal Exploitation](#) , October 2009, Trieste, Italy;
- 2010 FP7 Calls for proposals Environment & Energy: Africa Day, Sep. 2009, Brussels;
- [Seminar: Next Generation Biofuels and bio-based Chemicals](#) , April 2009, Trieste, Italy;
- Salon International de Pétrole et de Services « SIPS 2009 », April 2009, Hammamet, Tunisia;
- High Level Forum on Low Carbon Technologies, Italian G8 Presidency, organized by the Ministry for the Environment, Land and Sea and the Ministry of Economic Development in cooperation with the Euro-Mediterranean Centre on Climate Change and AREA Science Park, March 2009, Trieste, Italy;
- [Workshop: Geothermal energy: resources and technology for a sustainable development](#) , December 2008, Trieste, Italy;
- [Other: Kick-off Workshop to launch a PRTR Project for Latin American and Caribbean NCPCs](#) , June 2008, Porto Alegre, Brazil;
- [Expert Group Meeting: The application of GIS as planning tool for the creation of a network of ecological villages in China](#) , May 2008, Beijing, China;
- Workshop on “Environmental technologies, including GIS, environmental simulation and process simulation”, organized by ICS-UNIDO in collaboration with CITET, Tunis, Tunisia, 10-12 December 2007;
- NOSTRUM-DSS final meeting on “Multi-disciplinary approaches to improve water planning and management in the Mediterranean Region: economics of the water cycle, social issues in water management and environmental sustainability”, Larnaca, Cyprus, 25-27 October 2007;
- Workshop on “Optimal site planning of the Kobold turbine for the exploitation of marine currents as energy source in developing countries”, Messina, Italy, 23-24 October 2007;
- Expert Group Meeting on “Medicinal and Aromatic Plants in Veterinary Health Care” organized by ICS, Trieste, Italy, 19-20 July 2007;
- Workshop on “The utilization of GIS for streamlining organizational and support services within an industrial cluster environment” organized by ICS in collaboration with UNIDO and Nelson Mandela Metropolitan University (NMMU), Port Elizabeth,

- South Africa, 6-8 June 2007;
- Workshop on “Supporting tools for Eastern and Central European National Cleaner Production Centres (NCPs)”, St. Petersburg, Russia, 23-25 April 2007;
- “KOSMIKA: Planets, galaxies, universes”, multimedia exhibition hosted by the Serbian Academy of Sciences and Arts in Belgrade, Serbia, 16 February - 25 March 2007;
- OPTIMA and NOSTRUM-DSS joint workshop, organized by FEEM in Milan, Italy, 19-21 December 2006.
- Workshop on protected area management in Mediterranean coastal areas: the importance of wildlife refugia and corridors within an urban and industrial landscape, Tunis, Tunisia, 11-13 September 2006;
- International Conference on Multiple Criteria Decision Making, Chania, Greece, June 19-23, 2006;
- 3<sup>rd</sup> NOSTRUM-DSS Thematic Workshop, Aswan, Egypt, 27-29 April 2006;
- 1<sup>st</sup> and 2<sup>nd</sup> NOSTRUM-DSS Thematic Workshops, Sousse, Tunisia, 9-11 February 2006;
- 1st Teaching Workshop on Environmental Economics for the Middle East and North Africa, ICTP in Trieste, Italy, December 5-16, 2005;
- Second Mediterranean Conference on WATER RESOURCES IN MEDITERRANEAN BASIN (WATMED 2), organized by University Cadi Ayyad (Marrakesh) and University Hassan I (Settat), Marrakesh, Morocco, November 14 - 17, 2005;
- Expert Group Meeting on the use of sustainability indicators in Mediterranean coastal areas, AREA Science Park, Trieste, Italy, 19- 21 September 2005;
- Perspectives for transport between Europe and emerging countries (Prospettive Evolutive del Trasporto Merci tra Europa e Paesi emergenti. Driver dei Cambiamenti), Facoltà di Economia e Stazione Marittima, Trieste, Italy, 6-10 June, 2005;
- Luoghi e tempo nella cartografia, Università degli Studi di Trieste in collaborazione con Associazione Italiana di Cartografia (AIC), Centro Congressi - Stazione Marittima, Trieste, Italy, 20 aprile 2005;
- 2<sup>nd</sup> thematic meeting for SARIB project, Jožef Stefan Institute, Ljubljana, Slovenia, 15 March 2005;
- Expert Group Meeting: Technologies for Hydrogen Production and fuel cells, Trieste, Italy, 7-8 March 2005;
- IAG-IASPEI Joint Capacity Building Workshop on Deformation Measurements and Understanding Natural Hazards in Developing Countries, ICTP, Trieste, Italy, 13-23 January 2005;
- Expert Group Meeting on “Integrated Management of Coastal Areas of the Mediterranean Basin and the Black Sea”, Trieste, Italy, 13-15 December 2004;
- 5<sup>th</sup> conference on Technology Transfer in the Euro-Mediterranean area (5<sup>o</sup> Convegno Euro Mediterraneo per il Trasferimento di Tecnologie), Genova, Italy, 18- 19 October 2004;
- NOSTRUM-DSS project kick-off meeting, Universidade Atlantica, Lisbon, Portugal, 10-12 October 2004;
- SARIB project kick-off meeting, Jožef Stefan Institute, Ljubljana, Slovenia, 16 September 2004;
- TWNSO- TWAS- UNDP/TCDC- WMO international workshop on Safe Drinking Water in developing countries, ICTP, Trieste, Italy, 24-26 August 2004;
- Regional stakeholders’ forum on “Integrated Coastal Management in the Mediterranean (ICAM): towards Regional Protocol.”, Cagliari, Italy, 28-29 May 2004;
- United Nations Federal Credit Union (UNFCU) seminar on “UNFCU products & services”, ICGEB’s Seminar Room, Trieste, Italy, 16 February 2004;
- International Conference on Research Infrastructures: Centres of Exchange, Training and Excellence for the European Research Area, Stazione Marittima Congress Center, Trieste, Italy, 20-22 November 2003;
- Annual Conference “Terza Conferenza annuale degli Enti di ricerca nel Friuli Venezia Giulia”. Il sistema della ricerca regionale: realtà e prospettive di sviluppo territoriale e internazionale, Centro Congressi AREA Science Park, Padriciano, Trieste, Italy, 20 November 2003;
- Workshop on “Strengthening Professional Excellence for Senior Managers and Professional Staff”, ICS, Trieste, Italy, 14 November 2003;
- Round table on “Developing Countries Access to Scientific Knowledge: Quantifying the Digital Divide”, ICTP, Trieste, Italy, 23-24 October 2003;
- International Mobility: Present Situation and Future Prospects, Conference Centre, AREA Science Park, Trieste, Italy, 13-14 October 2003;
- TRICO, International Brokerage Event on Information and Communication Technologies (ICT), AREA Science Park, Trieste, Italy, 15 July 2003;
- AREA Open Day: Presentation of ICS mandate, Programme and activities and coordination of the visits to ICS laboratories, , Trieste, Italy, 28 June 2003;



- SEMINAR on “Statistical analysis of the environmental Kuznet curve: a varying coefficients AR model”, Ecological and Environmental Economics - EEE Programme, ICTP, Trieste, Italy, June 19<sup>th</sup>, 2003;
- SEMINAR on “Coupling climate and economics: the dynamic approach and the RICE model”, Ecological and Environmental Economics - EEE Programme, ICTP, Trieste, Italy, May 20<sup>th</sup>, 2003;
- Workshop on the use of the SimPacts Model for Estimating Human Health and Environmental Damages for Electricity Generation, ICTP, Trieste, Italy, 12-23 May 2003;
- Expert Group Meeting on INCO Balkan21 project formulation: Centre for Applied Research and Technologies (CART), AREA Science Park, Trieste, Italy, 26 March 2003;
- Conference on Monsoon Environments: Agricultural and Hydrological Impacts of Seasonal Variability and Climate Change, ICTP, Trieste, Italy, 24-28 March 2003;
- Conference on “La qualità ambientale del Golfo di Trieste: situazione attuale e interrogativi per il futuro”, University of Trieste, Italy, 20 March 2003;
- Expert Group Meeting on “The EU's Framework Programme for Research and Technological Development”; tavolo di lavoro tematico focalizzato sulla ricerca scientifica e tecnologica nel settore dell’Ambiente, AREA Science Park, Trieste, Italy, 27 February 2003;
- Conference on Theoretical Topics in Ecological Economics and School on Ecological Economics, UNESCO-IAEA-FEE joint activity, ICTP, Trieste, Italy, 27 January- 28 February 2003,;
- 4<sup>th</sup> meeting on Open source GIS, GRASS user’s conference 2003, Florence, Italy, 13-14 February 2003;
- Expert Group Meeting (EGM) on “Infrastructure and Methodology for data communication networks in East and Central Africa”, Trieste, Italy, 12-13 December 2002;
- Expert group meeting ENVISAT (Tavola rotunda ENVISAT, un occhio sulla terra che cambia), Immaginario Scientifico, Trieste, Italy, 7 November 2002;
- Round Table on “Developing Country Access to On-line Scientific Publishing: Sustainable Alternatives”, Trieste, Italy, 4-5 October 2002;
- Workshop, Conference on “The Role of the Trieste System in the Global Initiatives of the United Nations and Other International Organizations”, Centro Congressi, Stazione Marittima, Trieste, Italy, 26-28 September 2002;
- Workshop, Open Source Free Software GIS, GRASS user’s conference 2002, Trento, Italy, 11-13 September 2002;
- Workshop on Theoretical Ecology: Natural Resources Management and Conservation Biology, ICTP, Trieste, Italy, 22 April- 3 May 2002;
- Spring Colloquium on The physics of weather and climate: regional weather prediction modelling and predictability, ICTP, Trieste, Italy, 8 April- 19 April 2002;
- Workshop, The 2<sup>nd</sup> meeting of Research Centres of the region: “2° Conferenza Annuale degli Enti di Ricerca nel Friuli-Venezia Giulia”, Centro Congressi AREA Science Park, Padriciano, Trieste, Italy, 4 March 2002,;
- Workshop, C.I.P. INTERREG CADSES (Central Adriatic Danubian South-Eastern Space), Final Trans-national Conference, AREA Science Park, Trieste, Italy, 5-7 December 2001;
- Expert Group Meeting, CEI Summit Economic Forum, meeting of CEI member states (Central European Initiative) and international organizations, Trieste, Italy, 21-24 November 2001;
- Workshop, R&D Brokerage Event and Trans-national Technology Transfer Day on “Environmental resources management and cleaner energy systems”, Congress Centre, AREA Science Park, Trieste, Italy, 1<sup>st</sup> October 2001;
- Regional workshop on Industry and Sustainable Development in the framework of the Mediterranean Commission on Sustainable Development- Status and Trends of Industry and Sustainable Development in the Mediterranean Region, Barcelona, Spain, 27-29 June 2001;
- Expert Group Meeting, Telecommunications Technologies EGM on “Data Communication for Service Applications in Developing Countries”, Trieste, Italy, 28-31 March 2001;
- Workshop on the second meeting of GRASS users: “Secondo Meeting degli utenti italiani di GRASS”, Trento, Italy, 1-2 February 2001;
- Workshop on the 1st meeting of Research Centres of the region: “Prima Conferenza Annuale degli Enti di Ricerca nel Friuli-Venezia Giulia”, Centro Congressi Stazione Marittima, Trieste, Italy, 9 October 2000;
- Workshop on “Industry and Sustainable Development”, ICS-UNIDO and Italian Ministry

- of Foreign Affairs, Trieste, Italy, 2-4 October 2000;
- Workshop on “Tools for Understanding Landscape Patterns in Coastal Areas Induced by Industrialization”, ICS-UNIDO/ Italian Ministry of Foreign Affairs, Trieste, Italy, 20-22 September 2000;
- Workshop on the application of Decision Support Systems “Applicazione dei DSS (gli strumenti a supporto dei processi decisionali) e Sui CALL CENTRE (gli strumenti di informazione specialistica per le imprese), AREA Science Park, Trieste, Italy, 22 June 2000;
- Workshop on Planning Rehabilitation of Degraded Industrial Areas in the Mediterranean by DSS, ICS-UNIDO/ CITET (Centre International des Technologies de l' Environnement de Tunis), Tunis, Tunisia, 29-31 May 2000;
- Workshop on the Analysis of the Industrial Component in the Coastal Areas of the Adriatic Sea, organized by ICS-UNIDO in collaboration with PAP RAC of UNEP-MAP, Split, Croatia, 23-25 March 2000;
- Workshop, Mondo Futuro: giovani e futuro; prospettive, servizi, opportunità, Stazione Marittima, Trieste, Italy, 17-18 December 1999;
- Workshop on Technology Foresight: ICS-UNIDO initiative for Latin America, Stazione Marittima, Trieste, Italy, 7-9 December 1999;
- School on Exploring the Atmosphere by Remote Sensing techniques, ICTP, Trieste, Italy, 18 October- 5 November 1999;
- Consultation workshop on the preparation of Didactic Materials for Integrated Coastal Area Management (ICAM), ICS-UNIDO, Trieste, Italy, 10-12 March 1999;
- Workshop on Monitoring Technology for Industrial Pollution in the Mediterranean Coastal Areas, ICS-UNIDO, Trieste, Italy, 8-10 June 1998;
- Workshop on agro-industry in Tunisia, Agence au Promotion des Investissements Agricoles (APIA), Tunis, Tunisia, 14 December 1995;
- Mission to France, member of a mission of the Tunisian ministry of Agriculture to the international agriculture fair, Porte de Versailles, Paris, France, 23 March to 3 April 1994;

#### **Teaching Activities and Training Course (TC) coordination**

- Coordinator and lecturer: Summer course on Renewable energies for decentralized systems: supporting tools and best practices for green energy and sustainable development, 4-8 June 2012, Trieste, Italy.
- Lecturer and TC coordinator: Regional training course on “Geographic Information Systems (GIS) to Map Quality Infrastructures and Services at Country Level in the Economic Community of West African States (ECOWAS) from 28 November to 2 December in Praia, Cape Verde;
- Lecturer and TC coordinator: Regional training course on “Integrated Coastal Area Management”, 26-30 Nov 2007, Douala, Cameroon;
- Lecturer and TC coordinator: Training course on GIS based decision-support tools for optimal site planning of industrial development in developing countries, Trieste, Italy, 11-15 December 2006;
- Lecturer and TC coordinator: Training course on Integrated Coastal Area Management, Antofagasta, Chile, 23-27 October 2006;
- Lecturer and TC coordinator: Training-of-trainers course on the application of sustainability indicators in coastal areas: a landscape ecology approach to environmental management, Alberese (Grosseto) , Italy, 18-22 September 2006;
- Lecturer and TC coordinator: Regional Training Workshop on “The application of GIS in formulation and Implementation of integrated coastal area management plans in the Guinea current region”, Lagos, Nigeria, 6-10 December, 2004;
- Lecturer and TC coordinator: Lecturer: Training Course on “Training Course: Landscape integrity assessment for sustainability in the coastal zone”, Aula Magna, Foundation for International Studies, Old University Building in Valletta, and Island of Gozo, Malta, 20-24 September 2004;
- Lecturer and TC coordinator: Training Course on “Capacity building of human resources in environmental problems: ”, Iglesias, Italy, 4-14 May 2004;
- Lecturer and TC coordinator: Training Course on “Capacity building of human resources in environmental problems”, Iglesias, Italy, 13-23 April 2004;
- Lecturer and TC coordinator: Training for ICS staff on Project Logic, Cycle and Outline, Trieste, Italy, 8-9 July 2003;
- Lecturer and TC coordinator: Training Course on Image Processing and Remote Sensing for monitoring industrial development in coastal areas, Iglesias- Cagliari, Italy, 4-8 June 2002;
- Lecturer and TC coordinator: Third Italian GRASS Users Meeting

- , Terzo Meeting degli utenti italiani di GRASS (Geographic Resources Analysis Support System), Università degli Studi di Trieste, Trieste, Italy, 31 January to 1 February 2002;
- Lecturer and TC coordinator: Training course for Sudanese engineers on “Strategic environmental management systems”, ICTP, Trieste, Italy, 19-22 November 2001;
- Lecturer and TC coordinator: Training course on “Industry and Development related to the Mediterranean Basin”, Rabat, Morocco, 29 October- 3 November 2001;
- Lecturer and TC coordinator: Training Course for Algerian Managers, related to Project ALG/94/006/A/01/99 "Support for the establishment and reinforcement of national capacities in the field of environment and the introduction of environmental education to primary and secondary teaching", Trieste, Italy, 03 to 28 September 2001;
- Lecturer and TC coordinator: Training course on GIS for UNIDO staff member, ICS headquarters, AREA Science Park, Trieste, Italy, 2-25 April 2001;
- Lecturer and TC coordinator: Training course on GIS and DSS for industrial development, AREA Science Park, Trieste, Italy, 20-24 November 2000;
- Lecturer and TC coordinator: Training course on image processing techniques and GIS for industrial site planning and monitoring land cover changes in the Mediterranean basin, AREA Science Park, Trieste, Italy, 22-26 November 1999;
- Lecturer and TC coordinator: Introductory course on Image Processing and Remote Sensing for Monitoring and Modelling Industrial Pollution in Coastal Areas of North Africa, AREA Science Park, Trieste, Italy, 17-21 May 1999;
- Lecturer and TC coordinator: Introductory course on the Role of Geographic Information System, Remote Sensing, Image Processing System and Decision Support System for Industrial Development, University Centre for Cartography and Image Processing, University of Trieste, Trieste, Italy, 23-31 March 1998.

#### **Selected fellowship pilot case studies**

- Ghribi, M., Feoli, E., Ferneti, M., Napolitano, R., Ezelden, K. and Salama, M. (2011) Geo-traceability of food products in Egypt;
- Ghribi, M., Feoli, E., Ferneti, M., Napolitano, R., Mawajje, P. and Bonaidi, A. (2011) GIS for mapping geothermal resources in East African Rift System (EARS);
- Ghribi, M., Feoli, E., Ferneti, M., Napolitano, R., Kamara S. and Muhamed, M. (2011) GIS for mapping quality infrastructure and industrial competitiveness in the ECOWAS region;
- Ghribi, M., Feoli, E., Ferneti, M., Napolitano, R. and Abdurrahman J. (2011) GIS for mapping renewable sources of energy in the ECOWAS region in collaboration with ECREEE Cape Verde;
- Ghribi, M., Hubina, T., Lounissi, R. and Sayahi, L. (2007) GIS as traceability tool for agriculture products in developing countries: pilot project in Tunisia;
- Ghribi, M., Carasi, L., Hadi, Y., Hubina, T. and Song, L. (2007) Mapping optimal sites for the installation of Kobold turbines for the exploitation of marine currents as source of energy in Indonesia, China and the Philippines;
- Ghribi, M. and Rakotondrainibe, N. V. (2007) GIS application for optimal site planning of hydropower plant in Madagascar;
- Ghribi, M. and Zotaj, A. (2007) GIS for optimal site planning of tourism development in coastal areas of Albania;
- Ghribi, M. and Serrano, M. (2006) Use of GIS as a tool for pollution release and transfer register in Santiago, Chile;
- Ghribi, M. and Orozco, R. (2006) GIS and remote sensing for monitoring sensitive coastal areas in Peru;
- Ghribi, M. and Gantulga Lkhagva (2006) GIS-based decision support tool for optimal site planning of urban settlement in Mongolia;
- Ghribi, M. and Maldonado Avila, M. (2005) Geo-marketing applied to agro-food and agro-industries, Bolivia;
- Ghribi, M. and Hubina, T. (2005) GIS-based decision support tool for optimal site planning of landfill in Minsk, Belarus;
- Ghribi, M. and Chaouti, A. (2005) Multimedia package “Baseline research for the integrated sustainable management of Mediterranean sensitive coastal ecosystems” for coastal managers, scientists and all those studying processes and management in the Mediterranean;
- Ghribi, M. and Thuy, T. (2004) Application of GIS technology for industrial site planning in the coastal areas of the Gulf Hai Phong, Vietnam;
- Ghribi, M. and Feoli, E. (2003) GIS for land-cover change detection and forecast, Gulf of Tunis, Tunisia;

- Ghribi, M. and Molina, J.C. (2002) GIS applied to coastal resources management, Gulf of Fonseca, Honduras;
- Ghribi, M. and Ghimire, R. (2002) Application of Delft-3D software package for environmental simulation in Hai Phong, Vietnam;
- Ghribi, M. and Dayal, A. (2002) Integrated approach for coastal zone management in Morocco and in Trinidad & Tobago;
- Ghribi, M., De Palma, R. and Altobelli, A. (2002) GIS for monitoring industrial development in the Danube Sub-river Basin;
- Ghribi, M., Betapudi, S., Altobelli, A. and Feoli, E. (2001) Multi-criteria evaluation for agro-based industrial site suitability in East Godavari District, Andhra Pradesh, India;
- Ghribi, M., Wu, X., Altobelli, A. and Feoli, E. (2001) GIS for the environmental management of Hainan Island, China;
- Ghribi, M., Tlili, M.A. and Feoli, E. (2001) GIS for landscape analysis in the area of Sfax, Tunisia;
- Ghribi, M., Altobelli, A. and Feoli, E. (2000) GIS for industrial optimisation and risk assessment in the industrial area of Monfalcone, Italy;
- Ghribi, M. and Feoli, E. (1999) GIS and multi-criteria evaluation for industrial site planning in the coastal areas of the Gulf of Tunis, Tunisia;
- Ghribi, M., Jhayder, B. and Feoli, E. (1998) Vegetation as an index to analyse land-cover dynamics in the northern east region of Tunisia.

#### **Awards and Recognitions**

- **Representative of the Italian Ministry of Education, University and Research (MIUR) in the Euro Mediterranean Forum (Dialogue 5+5);**
- **Representative of the Italian Ministry of Education, University and Research (MIUR) in the G7 Future of Oceans and Seas;**
- Acknowledgement letter from the Presidency of Republic of Tunisia for publishing a book on the use of advanced technologies to ensure environmental sustainability and sustainable development in developing countries, December 2005;
- Acknowledgement letter from the Presidency of Republic of Tunisia for being a brilliant research fellow at the scientific and technological Park of Trieste, November 2001;
- Acknowledgement letter from UNESCO- UNI TWIN and the University of Trieste-faculty of Architecture;
- Acknowledgement letter from the ICTP (UNESCO- IAEA) directors of the workshop on Theoretical Ecology: Natural Resources Management and Conservation Biology held in Trieste from 22 April- 3 May 2002;
- Post-University Research Fellowship, Centre International de Hautes Etudes Agronomiques Méditerranéennes (CIHEAM, Paris), Mediterranean Agronomic Institute of Chania (MAICh, Crete), September 1996.

#### **Affiliations**

- **Member of Standing Committee on Engineering and the Environment (CEE) of the World Federation of Engineering Organizations (WFEO);**
- **Member of Scientific Committee of the UNESCO-TWAS for the selection of candidate fellows;**
- **Member of EURIMAGE Research Club (ERC) of the European Space Agency (ESA).**
- **Member of “Global network for knowledge sharing: e-learning and networking”.**

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