

Spatial Data Infrastructure – Africa Newsletter

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SDI-Africa Newsletter

June 2005

Vol. 4, No. 6

Spatial Data Infrastructure - Africa (SDI-Africa) is a free electronic newsletter for people interested in GIS, remote sensing, and data management issues in Africa. It aims to raise awareness and provide useful information to strengthen national SDI initiatives and support synchronization of regional activities. The [Executive Working Group of CODI-Geo](#) and [EIS-AFRICA](#) are regional fora that are promoting SDI development.

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Please mention SDI-Africa as a source of information in correspondence you may have about items in this issue.

If you have news or information related to GIS, remote sensing, and spatial data infrastructure that you would like to highlight (e.g., workshop announcements, publications, reports, websites of interest, etc.), kindly send them in. I'd be happy to include your news in the newsletter.

PLEASE share this newsletter with colleagues who may find the information useful, and ideally they will subscribe themselves.

Back issues of the newsletter are at the GSDI website: <http://www.gsdi.org/newsletters.asp>

Best regards, Kate Lance, Editor, lancekt@aya.yale.edu

Message from the Editor

Dear colleagues,

Ben Ofori-Amoah, whose work in Uganda was highlighted in last month's newsletter, is interested in learning of 'best practices' for GIS implementation in local government in Africa. He sent a message to me which I am now directing to the SDI-Africa mailing list as a whole:

"... the Ministry of Local Government (Uganda) is supposed to be visiting an organization/country in Africa that has implemented GIS software technology in the local government sector. Lessons acquired from the study tour will equip the project Technical Team into making informed decision regarding the incorporation of the GIS technology into the Local Government information system that they are developing in Uganda. Are you aware of any organization or country in Africa that we can recommend to them?"

Please, if you have suggestions for an appropriate 'study visit', kindly send a message to the [SDI-Africa Discussion List](#). You may have to sign up first for the list in order to send a message (it's a simple process – just takes a few seconds). Both Ben, I, and others interested in local GIS/SDI development, would be most appreciative.

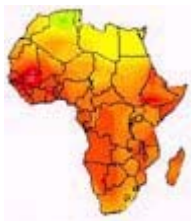
Regards, Kate

Input to this Issue

Thank you to Mohamed M. Mostafa, Information Technology Institute (ITI) (Egypt); Tarek Wahby, Quality Standards for Information Technology (QSIT) (Egypt); Frank Hobbs, Eritrean Coastal, Marine and Islands Biodiversity Project (UNDP) (Eritrea), Ray Wilkinson and Lorraine Deane, MapIT (South Africa); Daniel Berhanu and Remy Sietchiping, UN Economic Commission for Africa (Ethiopia); Richard Guillande, Geosciences Consultants (GSC) (France); El-Sayed Ewis Omran, Centrum Geo-Informatie (CGI), Wageningen University (The Netherlands/Egypt); and Gavin Fleming, The Sensor Web, CSIR Geomatics Alliance (South Africa) for their contributions to this issue of the newsletter.

SDI News, Links, Papers, Presentations

[National Road Atlas for Nigeria - MapIT South Africa in contract to digitally map Nigeria](#)



Spatial Data Infrastructure – Africa Newsletter

MapIT, together with shareholder Georigin and Johncom West Africa, have signed a multi-million rand contract to map Nigeria. For companies and even countries to become competitive in today's global environment, technology plays its part, especially so on the emerging African continent -- and Nigeria is no exception. This contract is an ambitious undertaking and will provide visually assistive tools to answer the need for geo-located information in an emerging economy. The first phase of this 3-phase project will develop the digital mapping dataset, simultaneously creating the National Road Atlas for Nigeria. This mapset will provide the geographic information, not only for electronic mapping solutions, but also form the basis for paper-based street guides, wall maps and atlases. Once the National Road Atlas has been digitally prepared, the platform has been set for the roll-out of further applications by companies wishing to take advantage of the best in high-tech cartography, such as town planning, cellular phone tower placement, fleet management, vehicle tracking, retail expansion and navigation. At the same time, this data will provide the paper-based mapping infrastructure setting a strong foundation for spin-off businesses to publish road maps, wall maps, atlases, town plans and a large range of user-friendly tourist publications.

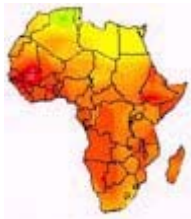
[Implementing an Integrated Regional Data and an Information Management System for Decision-Making in the Guinea Current Region](#)

This project aims to strengthen environmental and living resources management capacity in the Guinea Current Large Marine Ecosystem (LME) by setting up decision-making support tools which link all relevant socio-economic sectors. The GIS database, to be developed to national level, will serve as a management decision-support tool for national coastal and marine resources management and planning, selection of sites for industrial facilities, delineation of critical environmentally sensitive areas, identification of other sources of environmental degradation and designation of particular living and human populations at risk. Project partners include: United Nations Industrial Development Organization (UNIDO), Federal Ministry of Environment (GCLME) (Garki, Abuja - Nigeria), Intergovernmental Oceanic Commission of UNESCO, International Centre for Science and High Technology (ICS-UNIDO), National Oceanic and Atmospheric Administration (US-NOAA). The beneficiaries include: Angola, Benin, Cameroon, Congo, Democratic Republic of the Congo, Côte d'Ivoire, Gabon, Ghana, Equatorial Guinea, Guinea, Guinea-Bissau, Liberia, Nigeria, Sao Tome and Principe, Sierra Leone and Togo. The project will run for 60 months and started in November 2004. For further information, contact ICS-UNIDO, elisa.roa@ics.trieste.it.

[Prototype web mapping server for Tanzania – Tanzania Wildlife Atlas](#)

Dave Lehman and his team of students at UNBC (Canada) have put together a prototype web mapping server for Tanzania - pulling data from different sources and displaying it in the same window. For example, the data for birds could be stored in the UK while some roads and park boundary layers could be stored in TZ, but both could be displayed real-time in the same window that the user had originally opened up. Currently the system has just a few basic layers to test concept and design. Some data has been provided by the Tanzania Bird Atlas and the Carnivore Project to get the ball rolling and to see how the system works and acts, particularly for users in Tanzania. All the behind the scenes structure and management are still being worked out. The site is a prototype, and the developers are looking for feedback on the entire project. Also, if anyone knows about possible funding sources to help support this project, please let them know. Right now all of the work is being done pro-bono by Dave Lemman, his students, and others. [Source: TZGISUG List]. See also [Tanzania Bird Atlas MapServer Web page](#).

Spatial Data Integration in support of the Eritrean Coastal, Marine and Islands Biodiversity Project (ECMIB). The ECMIB Project, based in the Red Sea port of Massawa, now has a reasonably well set up and operational GIS. It runs on ArcGIS 9 and holds base mapping of Eritrea's physical features and infrastructure, nominally at 1:100,000 scale, Landsat TM imagery of the whole country, IRS 5 m imagery of their priority areas around Massawa and Assab ports, and Ikonos 1m imagery of Massawa and Assab. The coastline and islands have been more accurately digitised from the imagery, and habitat mapping - notably of mangroves, corals, and sea grass, is in progress from image classification work and ground verification (using Erdas Imagine 8.7). Data are currently being collected, to be compiled in the GIS, of turtle nest sites, bird sightings and nests, fishing communities, and Rapid Ecological Assessment surveys. The Project also holds rather outdated information on marine megafauna, sea turtles, wrecks, etc. For further information, contact: Frank Hobbs, Eritrean Coastal, Marine and Islands Biodiversity Project (ECMIB), kfrankh@yahoo.co.uk.



Spatial Data Infrastructure – Africa Newsletter

[UNECA situs addressing initiative for Africa](#)

The Development Information Services Division (DISD) of the United Nations Economic Commission for Africa (UNECA) has embarked on a situs addressing initiative for African countries. The initiative aims at (1) raising awareness on the need and benefits of functional and standard addressing system for Africa development and (2) developing a practical guideline for its implementation. From April 23-24, 2005, a situs addressing expert group meeting was convened at the UNECA headquarter in Addis to (1) review the situs addressing background document and (2) make recommendations for future action. One of the recommendations of the experts to UNECA was to create an addressing website along with a discussion group. UNECA is pleased to announce that the web site and the discussion group are now available at the link above. Comments and contributions are welcomed and sought from any interested party. On the web site, you will find information on situs addressing initiative, expert group meeting documents and Powerpoint presentations, useful addressing links, photos, and much more. For more information on the initiative, please contact Remy Sietchiping, rsietchiping@uneca.org or Dozie Ezigbalike, ezigbalike.uneca@un.org.

[Spatial Data Infrastructure to Support Land Evaluation Applications in Egypt](#)

El-Sayed Ewis Omran recently defended his MSc thesis at the Centrum Geo-Informatie (CGI), Wageningen, The Netherlands. He would like to share with others conclusions of his work, summarized in this abstract. For further details, please contact El-Sayed-Ewis.Omran@wur.nl.

[UN/ESA Workshop on Spatial Information and Sustainable Development. Workshop International en Télédétection et SIG](#), 14-16 November, 2005, Rabat Morocco. Deadline for sending abstracts: 15 September, 2005. Date limite d'envoi des résumés: 15 septembre 2005. Contact: Prof. EMRAN Anas, emran@israbat.ac.ma, or Dr. TRACHE Abdelhak trache@emi.ac.ma.

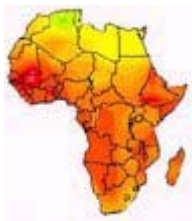
[2nd World Information Technology Forum \(WITFOR\)](#), August 31-September 2, 2005, Gaborone, Botswana. Hosted by the Government of the Republic of Botswana, in collaboration with the International Federation for Information Processing (IFIP). The ICT for Environment Commission at the World IT Forum will be holding three sessions on ICT for Environment, or Enviromatics. The first will present and discuss case studies, the second research needs and project proposals and the third is planned as a panel discussion on Environmental ICT Requirements from Policy Makers, Governments and Authorities in developing countries. The goal of this session will be to elicit specific needs for Enviromatics in developing countries. Its success will depend on the presence of government officials and experts who can express such needs. There is also an ICT Infrastructure Commission at WITFOR that is relevant to the work of GSDI and which could benefit from input from colleagues working on SDI implementation. Contact: witfor@gov.bw.

[Knowledge Sharing for Development: Africa Regional Program](#)

According to Soumana Sako, Executive Secretary, Africa Capacity Building Foundation, "Access to information and knowledge hold one of the keys for the [African] continent to unlock its potentials to bridge the development gap in relation to the rest of the world." As part of its program of supporting the generation and communication of research from developing countries GDNNet, in cooperation with IDS, Bellanet, and WBI, organized the Knowledge Sharing for Development: Africa Regional Program workshop. The workshop, held in Cairo on February 27-28, 2005, was attended by 52 participants from 25 different countries in Africa. There was huge interest in the workshop as evidenced by the 311 applications that were received. 46 of those were selected for participation in the workshop. In selecting participants, GDNNet sought diversity across disciplines as well as geographically. Applicants were also asked to fill in the survey questions which are very useful to feed into the program. The workshop report is a record of some of the ideas that emerged during the workshop. It is intended to just give a flavor of the issues that were discussed as it is very difficult to capture the depth of thought and the debates that took place. Read the workshop's [After Action Review](#) documentation as well.

[Call for papers - Arab Map 2005 - ITI 6th Arab GIS Conference](#), September 12-13, 2005, Cairo, Egypt

Theme: Towards improved governance and a better environment. Prior to the conference, four training days(7-8, 10-11) will be offered in topics ranging from basic GIS and RS to advanced applications, e.g. e-government, location based services and environmental decision support systems. These courses will be led by instructors from both academia and industry. Abstract deadline: 1 June 2005.



Spatial Data Infrastructure – Africa Newsletter

Call for papers - [Middle East and Africa Conference for ESRI Users](#), December 6-8, 2005, Sharm El-Sheikh, Egypt Deadline for abstracts: [1 June 2005](#). Contact: meuc2005@qs4it.com.

National Strategies for the Development of Statistics

For the period 2004-2006, PARIS21 is focusing its efforts on encouraging -- through its regional programmes, advocacy efforts, and information exchange and reporting activities -- all low-income countries to establish National Strategies for the Development of Statistics (NSDS) by 2006 and to have nationally owned and produced data for all Millennium Development Goals (MDG) indicators by 2010. Countries need to have an overall vision of the development of their national statistical system which will include the national, regional, and international needs; be part of the country development and poverty reduction policy; serve as a framework for international and bilateral assistance; include all parts of the data production units and address the issues related to the analysis and use of data; follow the international standards including quality; and build on all past and existing activities and experiences.

-- News from the United Kingdom

Results from National Interest Mapping Service Agreement (NIMSA) consultation

The financing of National Mapping Agencies, National Meteorological Agencies, National Hydrographic Agencies is a topic that is widely debated in many forums with the comparison being made between the practices within Europe with those of the USA. Within the UK the Ordnance Survey of Great Britain receives monies under a National Interest Mapping Service Agreement or NIMSA for short. The monies received are for undertaking national interest tasks that would be otherwise uneconomic. NIMSA came into force in April 1999 and ends in March 2006. When the UK Parliament approved the agreement back in 1998 the estimated out-turn for the seven-year period for the agreement was in the region of Euros 113 million. The out-turn in the first five years has been in the region of Euro 99.7 million with two years outturns still to be announced. As the term of the NIMSA is now approaching its end the UK Office of the Deputy Prime Minister (ODPM) launched a consultation late in 2004. The ODPM published the outcome of the consultation on 25 May 2005. The official UK government response to this consultation is still awaited. [Source: EGIP List]

CIESIN announces the availability of four new publications

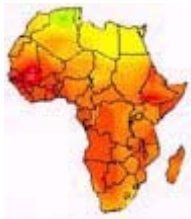
- Global Spatial Data and Information: Development, Dissemination and Use: Report of a Workshop
- [2005 Environmental Sustainability Index: Benchmarking National Environmental Stewardship](#)
- Confidentiality Issues and Policies Related to the Utilization and Dissemination of Geospatial Data for Public Health Applications
- [Natural Disaster Hotspots: A Global Risk Analysis](#) (Disaster Risk Management Series No. 5, The World Bank)

Three of the publications can be downloaded directly from the Internet. If you have any questions about these reports or datasets, contact ciesin.info@ciesin.columbia.edu. [Source: CODATA_International eList]

GIS Tools, Software, Data

Impact of changing land cover on the production and ecological functions of vegetation in inland valleys in West Africa (VINVAL)

VINVAL's contribution is to develop a tool for integrated land use planning at watershed scale that contributes to improve sustainable agricultural production systems in inland valleys in West Africa. Inland valleys are the upstream areas of drainage systems. This tool will take into account the balance between production and protection objectives and will assist in making informed decisions on allocating land use activities of small holder farmers across the watershed on both agricultural and natural land. Natural land is here defined as all land that is covered by natural and fallow vegetation. Such decisions are based on knowledge of the productive value of these land use activities and their impact on ecological functions. The project will be executed in two different agro-ecological zones in West Africa. The site in Burkina Faso is situated in the southern Sudan Savanna zone, while the Ghana site is situated in the Equatorial Forest zone. The project is developing a GIS-based tool for integrated, multifunctional watershed-level land use planning for use by extension services and planners. This tool will support the analysis of the impact of different land use development scenarios on the ecological and production functions. The tool can be used in the decision-making process of land development.



Spatial Data Infrastructure – Africa Newsletter

[TechnoGIN3: a generic tool for analysing cropping systems - Application of prototype for West-African conditions within the VINVAL project](#)

[Review of tools for land use planning in West Africa in the framework of VINVAL project](#)

[Intergraph Registered Research Laboratory \(RRL\) Program](#) - Recommend a Friend

In a recent survey sent to RRL members, Intergraph found that that 97 percent of their current RRL members would recommend the program to their colleagues. So, they are encouraging colleagues to do exactly that – take this opportunity to recommend the RRL program to a friend. Between April 1, 2005 and June 30, 2005, when one you recommend a friend to the RRL program, you have a chance to win a GPS Receiver (or equivalent prize). The RRL program is available worldwide for qualified universities, laboratories and institutions of higher education. Members are granted access to GeoMedia®, GeoMedia Professional, GeoMedia WebMap Professional, GeoMedia Terrain, GeoMedia Grid, Spatial Metadata Management System (SMMS), and SMMS GeoConnectä for research projects. Additional software is also available subject to specific research needs. This program provides students, educators and researchers with leading-edge technology and development support needed for applied research activities. Here's how the 'Recommend a Friend' program works:

1. Encourage friends at other universities to review program details and to become a RRL, complete and submit the [laboratory profile](#) and [research profile](#) forms available at the site.
2. If they have not used Intergraph technology before, the research proposal must be for a future project using Intergraph technology.
3. Profiles and proposals should be e-mailed (with the applicants name and institution's name clearly stated in the e-mail) to education@intergraph.com.
4. Those who submit fully completed forms will be entered into the drawing for a GPS Receiver (or equivalent prize).
5. A winner will be selected on July 11, 2005.

[Educational offer – Download free MicroStation PowerDraft for Students](#)

Bentley brings its collaborative software solutions and support to schools with the [Bentley Education Network \(BEN\) program](#). Through tailored, flexible sales programs combined with curricula, training and partnerships, Bentley is focusing on making its products affordable and accessible for educational institutions. This offer applies to schools and students anywhere in the world (except where U.S. trade restrictions apply).

[GIS Self-Learning Tool - Web-based Tutorial](#)

The Geographic Information Systems self learning tool has been developed to enhance teaching of GIS in the Department of Geomatics, University of Melbourne. The modules cover a range of subjects that expose students to both introductory and advanced concepts in GIS.

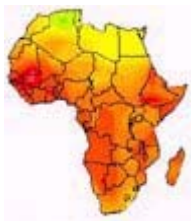
[Earth observation on-line service installed by GSC in the Service Support Environnement \(SSE\) portal of European Space Agency.](#)

The service was developed in the framework of the MASS-SER-O project of ESA which aims at developing earth observation on-line services. Initially developed to cover the Africa region, the service can be used worldwide and for other hazards than floods, in the spirit of GMES activities of ESA and is now operationnal. Recent applications were produced on the tsunami in Asia. The service is open to any customer and is designed to provide low cost services and product for fast delivery of standard products (always depending obviously of availability of suitable EO data on the area of interest). Examples and demo data are available on request, as well as a description of natural hazards related management services of GSC. Contact: Richard Guillande, Geosciences Consultants (GSC), rg-gsc@wanadoo.fr.

Geospatial Research, Applications, Reference Material

[We have the tools - how to attract the people? Creating a culture of web-based participation in environmental decision making](#) (slides)

This paper discusses the ways and requirements to apply decision analytical tools in Web-based public participation. Based on this discussion, the authors demonstrate a framework to support participatory processes, which includes Web-based tools for decision analysis and participatory feedback.... In spite of the attractiveness of the available tools, there still is a very limited number of users. The main message of



Spatial Data Infrastructure – Africa Newsletter

the authors is that there has to be a strong commitment to create a culture of Web-based participation by local case projects before the public stakeholders and the authorities can accept this new approach. It is not enough to have the tools, since the technology push does not work. In this respect, the authors also see it as very important that decision analysis researchers collaborate with the policy support administrators. Also the developers of e-participation projects have to start seeing the process from a systems perspective. The way the problem is framed and how communication and interaction is organized is crucial.

[Mapping local knowledge: possibilities of Web GIS in a planning process \(slides\)](#)

While it is technically possible to build up GIS applications into the Internet to collect local knowledge, the planning organizations seem not to know how to exactly utilize this data. Comments and data provided by the citizens can be attached to places in the map, and the data can be easily shared and distributed - if only the municipalities decide to do so. What actually happens to this locally attached data? Does it affect the plans? Could this “social data” formulate a special layer in the planner’s GIS database? The danger is that when using new ways to interact and make contribution to planning and development processes the citizens expect that their input has some impact too. It is not clear what part local “soft” data plays in formal planning institutions.

[Land use change monitoring applying geographic information systems in the Taita Hills, SE-Kenya](#)

Land use changes have been studied in the Taita Hills, Kenya, using geographic information systems. The objectives are: 1) to develop a land use change detection methodology, 2) to study the land use changes as a reflection of human-nature interaction and 3) construct a geographic database. The data applied are digitised topographic maps, aerial photographs from 1955 until 2004 and SPOT XS satellite data from 1987 until 2005. The specific themes of the study are urban growth of Voi, soil erosion processes, land cover and land use change, development of infrastructure, and condition of the indigenous forest remnants. Contact: petri.pelikka@helsinki.fi.

[Biodiversity conservation and sustainable development in Macaneta, Mozambique](#)

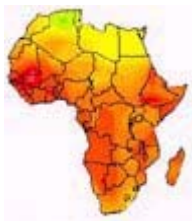
The project, with funding from the Italian Ministry of Foreign Affairs from 2002 to 2005, is creating a GIS with a participatory approach to support a management plan of resources by local authorities. The principal partner, Endangered Wildlife Trust/Forum Para a Natureza em Perigo, wants to promote active coordination between the local population, tourist operators, public and private institutions, using and/or protecting natural resources, and to protect in particular marine turtles and vegetation to fight soil erosion.

[Glaciers of Mt. Kilimanjaro, Tanzania](#)

It has been rumoured that 90% of Mt. Kilimanjaro’s glaciers have disappeared to date. After recent controversy about reasons for such in the Globe and Mail, I decided to try to determine if this could be measured using remote sensing imagery and analysis techniques. Data was downloaded in ETM+ format and techniques such as modeling, ratios and vectorization were used to isolate areas where the current glaciers are and where the suspected maximum glacial extent was previously. IPG and POG were performed to determine how much the glaciers have depleted in area (hectares) and in perimeter (linear kilometers).

[A comparison of methodologies for monitoring slum conditions within millennium development goals: the case study of Addis Ababa, Ethiopia](#). Lemma, T., 2005: ITC Thesis, 102 p.

The primary impetus for conducting this research arose from the need to strengthen the local level data collection and analysis mechanisms through exploration of methodologies that have been in practice in monitoring slum conditions. Accordingly, the focus of this research is on the development of methodology through the integration of local knowledge and GIT for monitoring slum condition at local level and comparison of its result with that of UN-Habitat to support the development of policies and intervention programmes at a local level and the achievement of the MDG. The research is carried out on the selected three sub-cities of Addis Ababa, Ethiopia. The identification and spatial analysis of slums is conducted mainly based on Rapid Urban Appraisal methods supported by Remote Sensing and GIS tools that have enabled to carry out both the visualization of the spatial distribution and quantification of slums and slum dwellers. Moreover, by comparing its result with the result of the statistical methodology employed by UN-Habitat in Addis Ababa, it was possible to identify both its strength and limitations. The comparison has demonstrated that the methodology developed in this research is found to be effective and applicable mainly considering the scarce resource in many developing cities.



Spatial Data Infrastructure – Africa Newsletter

Training Opportunities

[Intergraph Online Education Course](#)

Registration for Intergraph's Introduction to GIS course is now open. The course begins Monday, September 26, 2005 and ends Friday, December 9, 2005. Registration will be open until September 5, 2005. This instructor-lead course will give you the flexibility to study at your own pace and will provide both a theoretical and hands-on understanding of GIS using an integrated approach. The practical content is primarily based around GeoMedia Professional and will feature the newly released version 6.0. The course is suitable for current GeoMedia Professional users, those using other GIS technology, as well as those new to GIS within the academic or commercial community.

[Upcoming ESRI Live Training Seminars](#)

Live, free GIS Training Seminars by a technical expert streamed directly to your desktop. The next seminar is: Introduction to GPS Analyst, June 23, 2005.

The training seminars also are recorded and made freely available to you, [viewable at your convenience](#).

[Middle East and Africa Conference for ESRI Users](#)

The first 2 days before the conference, (4-5 December 2005) are designed to benefit GIS managers. You are welcome to register for pre-conference seminars:

- Cadastral and land registry, December 4, 2005, Cost: US\$250
- Planning and Managing GIS, December 5, 2005, Cost: US\$100
- Web Services, December 5, 2005, Cost: US\$100

Contact: meuc2005@gs4it.com.

Planned instructor-led training sessions will be conducted during the 2 days before the commencement of the conference by highly qualified ESRI certified instructors, as well as after the conference in both Sharm El-Sheikh and Cairo.

These sessions aim at educating users, technical staff and students about the latest ESRI software and its functionalities.

- Introduction To Arc GIS I (3 days), December 3-5, 2005, Cost: US\$500
- Cartography with ArcGIS (2 Days), December 4-5, 2005, Cost: US\$500
- Introduction to ArcIMS (3 Days), December 3-5 2005, Cost: US\$500
- Working with ArcGIS Spatial Analyst (3 Days), December 3-5 2005, Cost: US\$500
- Introduction To server / Engine (3 Days), December 3-5 2005, Cost: US\$500

[GFM4 course at UCLAS](#)

The next cycle of GFM4 Course at UCLAS, which is jointly conducted by ITC and UCLAS, is scheduled to begin the first week of September 2005. Prospective candidates are encouraged to contact Eugene Silayo, GFM4 Course Coordinator, silayo@uclas.ac.tz or telephone Head of Geomatics Department at 022 2775248, for details regarding fee structure, course information, [application forms](#) and entrance qualifications.

Funding Opportunities, Awards, Support

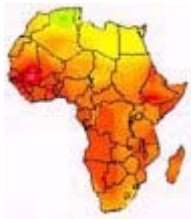
[Towards Electronic Democracy: Internet-based Complex Decision Support \(TED\)](#) - Funding Available from the European Science Foundation for [Workshops](#) and [Visiting Fellowships](#)

The European Science Foundation (ESF) has established a programme with the objective of "discussing and evaluating how advances in interactive decision analytic tools might help develop inclusive e-democratic systems to more fully involve their electorates in decision making". This is a programme that will run until 2006 and expects to:

- Demonstrate and evaluate more general, web based decision analytic tools
- Promote debate on e-democracy methodologies and technologies
- Develop bridges between several research communities
- Help educate a generation of young scientists via summer schools and institutional exchanges

As part of the TED programme there will be three workshops per year on specialised subjects such as:

- Structuring decision making problems interfacing the software



Spatial Data Infrastructure – Africa Newsletter

- Developing scenarios
- Environmental decision making
- Interfacing multi-agent theory and Bayesian methods

The ESF is currently accepting proposals for workshops to be held in 2004 until 2006. ESF will provide funding up to €7,400 for a 2-3 day workshop. Some of the criteria for obtaining this funding are as follows:

- Organizers will supplement the funding through either full cost registration fees for some participants or sponsorship
- 25 to 30 participants should attend the workshop
- 15 participants should be partially supported for travel, registration and accommodation by ESF funds
- The workshop must be held in one of the countries supporting the programme

The TED programme also has funds to support 5 senior researchers and 5 postdoctoral researchers or doctoral students for visits between institutions. To be eligible for funding, either the visitor's institution or the institution visited must be held in one of the countries supporting the programme.

["Novel Approaches of Integrative Science for the Future" - 'Ralf Yorque Memorial Prize'](#)

Ecology and Society invites their subscribers and all other readers to participate in a manuscript competition that exploits novel ways of performing integrative science and policy research. The annual 'Ralf Yorque Memorial Prize' of 5,000 Euro will be awarded to the most novel paper that integrates different streams of science to assess fundamental questions in the ecological, political, and social foundations for sustainable social-ecological systems. The contributions of the winner and others that pass the normal peer-review process will be published in E&S. The deadline for submissions is June 30, 2005.

[A New Earthquake Mitigation Project - Small Grants Program for Developing Countries](#)

The Special Projects and Initiatives Committee of Earthquake Engineering Research Institute (EERI) is funding the Small Grants Program for Developing Countries, to support local efforts, capacity building, and leadership development in the field of earthquake mitigation. Earthquake risk reduction in developing countries is challenging due to complex socioeconomic and technical problems. Countries need effective solutions that are unique to their local needs. The Small Grants Program will support small projects led by local experts in the developing countries. Outside experts may be involved in some cases, but their role will be limited. The size of a typical project may range from US\$ 1,000 to US\$ 3,000, depending on the need, available expertise, and the capacity of the applicant to complete the project. There are no deadlines for consideration of the proposals. The Committee will consider applications as they are received, subject to funds being available in the financial year.

[Request for Applications - Egyptian Antiquities Conservation](#)

American Research Center in Egypt, Inc. has issued a request for applications (RFA) (USAID Grant No. 263-A-00-04-00018-00). Subgrants in response to this RFA could be awarded for the following objective:

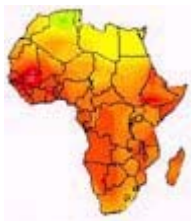
To give special consideration to conservation activities in areas where USAID promotes tourism and ecotourism development such as the Red Sea, Western Desert and Sinai. (Examples: conservation and protection of historic sites, development of maps, site management plans, and visitors centers for historic sites). Submissions due in Cairo: August 15, 2005.

[2005 Carl Pulfrich Award - Call for Nominations](#)

Intergraph Mapping and Geospatial Solutions announced the call for nominations for the 2005 Carl Pulfrich Award. Z/I Imaging(R) LTD, an Intergraph company, sponsors the award in order to promote outstanding scientific, application-oriented design and/or manufacturing activities in the field of photogrammetry and remote sensing, including earth imaging applications. The biennial award is intended to honor the memory of Dr. Carl Pulfrich, a member of the scientific staff at Carl Zeiss from 1890 to 1927, during which time he directed the design of the first stereo photogrammetric and surveying instruments from Zeiss. Deadline: July 1, 2005.

[Engineering Information Foundation Grants](#)

EIF's grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fits their fields of interest. These currently include the availability and use of published information, women in engineering, and information access in developing countries. You may want to review their recent grants to give you a better idea of the kinds of projects that interest



Spatial Data Infrastructure – Africa Newsletter

them. EIF's Directors generally meet in April, August, and November of every year. To allow time for review, deadlines for submissions are: February 28, June 30, and September 30. Contact: info@eifgrants.org.

World Community Grid – request for proposals

World Community Grid is an IBM-supported philanthropic initiative that provides grid computing technology for research projects to benefit humanity. Grid technology joins together many individual computers, creating a large system with massive computational power that exceeds the power of a few supercomputers. This capability can be applied, on a global scale, to very large and complex problems for the benefit of humanity. World Community Grid is seeking proposals from research organizations interested in harnessing the power of Internet-connected computers to accelerate humanitarian research. Research organizations may apply to use this computing grid infrastructure at no cost for projects conducted for public and non-for-profit purposes. The program's goal is to support innovative efforts that will benefit most from this technology and promise to deliver significant results on the most pressing issues facing the global community. To meet this goal, World Community Grid plans to implement as many as five to six research projects per year. Because projects must serve to promote human welfare directly or indirectly by advancing knowledge in areas that contribute to the overall goal, it is anticipated that projects in the following disciplines will be submitted: new and existing infectious disease research; genomic and disease research; natural disasters and hunger; and environmental research. Research that has the potential to assist economically disadvantaged communities and those in developing countries or to provide the initial research that can open new fields of inquiry will have priority.

UNESCO/L'ORÉAL Co-Sponsored Fellowships for Young Women in Life Sciences

The UNESCO-L'OREAL fellowship scheme aims to enhance the role of women in devising scientific solutions to problems confronting humankind in the 21st century. The program is designed to identify and reward 15 committed and talented young women scientists from all over the world. Candidates must already be engaged in research at the doctoral or post-doctoral level in one particular field or allied fields of the life sciences. Candidates must not be more than 35 years of age. Deadline: September 15, 2005.

18th UN Sasakawa Award for Disaster Reduction

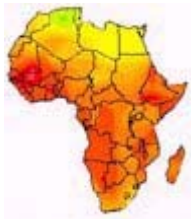
Nominations are now being accepted for the 2005 United Nations (UN) Sasakawa Award for Disaster Reduction (information is available in French and Spanish). The intent of the award is to reward individuals and institutions from around the world who contributed, through innovative practices and outstanding initiatives, to reducing the risk and vulnerabilities of communities to natural hazards. Administered by the UN International Strategy for Disaster Reduction, the Laureate and recipients of Certificates of Distinction and Merit will be selected by the UN Sasakawa Jury, composed of representatives from five continents. The total approximate value of the award is \$50,000, which will be shared between the Laureate and the certificate recipients. In addition to the financial prize, the Laureate will be presented with the UN Sasakawa Award for Disaster Reduction crystal trophy. The award presentation ceremony will take place on the International Day for Natural Disaster Reduction, October 12, 2005. Once nominated, candidates must complete nomination forms and submit them by July 29, 2005. For more information about the award, contact rosec@un.org.

JNCASR-COSTED Fellowship Programme

This fellowship programme is jointly instituted by the Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) and the Committee on Science and Technology in Developing Countries (COSTED) to foster free mobility and exchange of scientists from developing countries and to promote South-South co-operation.

- The fellowship covers short-term (up to 3 months) research, training or participatory research work in physical, chemical and biological sciences in reputed scientific institutions in India including the JNCASR. The programme is open to scientists, teachers and research scholars in the developing countries in Asian, African, Arab and Latin American regions.
- Applicant must be a scientist, teacher or a research scholar affiliated to a scientific or academic institution in a developing country in Asia (other than India), Africa, Latin America and Arab region.

Application forms may be obtained online. Contact: COSTED Central Secretariat, 24 Gandhi Mandapam Road, Chennai 600 025, India; Tel:91-44-4430228/4419466, Fax:91-44-4914543, Email: costed@vsnl.com. The deadlines for receipt of applications are 30 June and 31 December each year.



Spatial Data Infrastructure – Africa Newsletter

[Call for Proposals - IHDP 2006-2007 Seed Grant Initiative \(SGI\)](#)

IHDP's commitment to promote the development and strengthening of National Human Dimensions Programmes in developing countries and transition economies continues to be matched by considerable interest and activity in a growing number of countries. Beginning in late 1998, IHDP allocated resources from the International Social Science Council (ISSC) and the United Nations Educational, Scientific and Cultural Organization (UNESCO) to run a small Seed Grant Initiative to provide "seed grants" to colleagues in developing countries and countries with economies in transition. Grants awarded are committed to the production of National Inventories of human dimensions research in selected countries (a "Who is Doing What" report), and toward the organization of national or regional workshops for human dimensions researchers to facilitate the creation of new or strengthening of existing research networks. Proposals for grants to be awarded in 2006-2007 must be submitted to the IHDP Secretariat by July 30, 2005. Seed Grant Initiative guidelines are available electronically online with complete details on how to develop proposals for both national inventories and national or regional workshops.

Employment Opportunities

[Consultancy for Upgrading ENRAEMED](#)

UN Economic Commission for Africa is requesting potential candidates to do a consultancy who will review the ENRAEMED (metadata) software, review the status of ISO drafts and then propose a phased work plan for a) fixing the bugs currently identified, b) making enhancements currently identified, and c) updating the software as may be deemed necessary, including full ISO compliance and possibly porting to VB.Net. Those interested in this assignment should send a technical and financial proposal of two pages according to the ToR and their CV to sdonkor@uneca.org before June 8, 2005.

[Lecturer in the Department of Environmental Science](#), University of Botswana, Gaborone, Botswana

Duties: Teaching and research in cartography, map, and aerial photo interpretation and GIS to undergraduate and postgraduate students. To perform any other duties as may be assigned by Head of Department. Requirements: An appropriate first degree and a Masters degree, preferably a PhD or equivalent with specialisation in Cartography, Computer-Aided Cartography, Remote Sensing and GIS. Willingness to teach large introductory undergraduate classes. Expertise in environmental modelling will be an added advantage. Deadline: 10 June 2005. Vacancy No. FSc/ES 1/2005.

[Professor/Associate Professor/Senior Lecturer/Lecturer – Statistics and Demography](#), National University of Lesotho. Deadline: : June 3, 2005.

[Regional GIS Geologist](#), West Africa

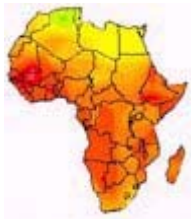
Requires: experience in a remote area exploration and/or mining environment; experience with Mapinfo and ER Mapper GIS and data imaging packages; experience in SQL, Acquire and MaadGIS database management and cataloguing software; prior experience and expertise in exploration for shear-hosted gold deposits and regional exploration in Archean or Proterozoic terranes; and experience in tropical lateritic terranes and exploration techniques associated with such environments. Reference No: 9261. Contact: [Thomas Mining Associates, chris@thomasmining.com](mailto:chris@thomasmining.com). No deadline given.

[Young Professionals Program at the WorldBank](#)

The Young Professionals Program (YPP) is a starting point for a career in the World Bank. The Program is designed for highly qualified and motivated young people who demonstrate a commitment to development, supported by academic success, professional achievement, and potential for leadership. The following are minimum requirements to be eligible for the YPP:

- Be 32 years of age or younger (born on or after January 1, 1974)
- Have at least a masters degree (or equivalent)
- Specialize in a field relevant to World Bank's operations such as: economics, finance, education, public health, social sciences, engineering, urban planning, and natural resource management
- Have a minimum of three years of relevant professional experience, or continued academic study at the doctoral level
- Be fluent in English

Interested candidates may apply on-line until August 31, 2005. Contact: ypprogram@worldbank.org.



Spatial Data Infrastructure – Africa Newsletter

Part-time GIS Instructors, Cairo, Egypt

Cairo University's High Technology Center has openings for part-time GIS instructors. [ITI](#) graduates will be given preference. Applicants they must have experience in teaching one of the following: a) GIS concepts, b) ESRI Products, c) Geomedia Products. Interested candidates should send their CV to mohgohar@cuhtc.org. Source [EgyGIS (Yahoo Groups) List]

Environmental Management Expert, Ministry of Land, Water and Environment, Asmara, Eritrea

In order to guarantee optimal resources use and environmental management, the international expert will introduce necessary guidelines and mechanisms, generate ideas and initiatives for improvement, and will actively participate in the guidelines formulation process. Duties and responsibilities will include:

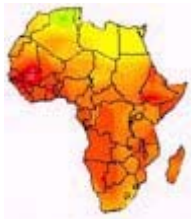
- Identification and prioritization of the environmental management issues, and development of project design and formulation programs;
- Providing scientific studies and information, and expert advice and guidance on environmental management, in the context of sustainable development;
- Preparing environmental management report to the Department of Environment as a means of compiling and communicating results of assessment on the environmental management practices;
- Assist in the formulation and development of national action plan and strategies (or national frameworks) for environmental conventions and protocols;
- Assist in developing policies and plans, concerning environmental management, to meet the goals of the department (assist in developing environmental legislation and administrative process);
- Assist in developing a national monitoring program (establishment of a network of environmental monitoring stations)
- Prepare Environmental Education and Training – public information and awareness creation; and
- Give on job training on assessment and research methodology to the DoE staff.

Required qualifications and experience include: a) Ph.D level and above with relevant field of study; b) at least Two years of experience in a related field; c) excellent interpersonal communication skills; d) fluency in English (written and spoken); and e) Eritrean experts must provide proof that they have completed or are exempted from national service. Minimum duration of the contract is two years with possibility of extension. Interested candidates should provide their CV and information that they are qualified to CV as Word attachments to wishvam@rediffmail.com. Contact: Ministry of Land, Water and Environment, Department of Environment, P.O.Box 5713, Asmara, Eritrea, Fax: 291-1126095, Deadline: June 4, 2005.

Assistant Programme Officer - Emergency, Office of Emergency Programmes, New York, NY, USA

The Assistant Programme Officer (P-2) participates in the Operations Centre (OPSCEN)'s all-service information collection dissemination and analyses for all UNICEF offices engaged in crisis/emergency operations. Assists in the provision of information, insights and interpretative analyses to UNICEF decision-makers, through daily, weekly and "spot" information reports. Assists the Director (EMOPS), Principal Officer (Security Coordinator) and Programme Division desk officers, in advance of and during crises in their respective areas of responsibility. Minimum requirements include:

- University degree in social sciences, or a technical field related to the work of UNICEF.
- Two years experience working in a crisis management or operational environment, preferably at the international level.
- Flexibility to work with people at all levels and appreciation of cross-cultural sensitivities, while exercising the utmost diplomacy and discretion.
- Ability to draft a wide variety of reports, situation analyses and communications.
- Ability to adapt rapidly to a dynamic operational environment, often working long, and sometimes unusual hours.
- Team building skills essential. Sensitivity to cross-cutting issues, appreciation of nuances associated with geopolitical dynamic, and scope of UNICEF mandate within the UN. Managerial skills necessary to deal internally, as well as externally, with fast-paced demands.
- Working knowledge of Word, Lotus Notes, broad range of database programmes. GIS training in ArcView/ArchMap and Red Dot training desirable. Field experience in critical, emergency country programmes. Previous experience with crisis of security management teams.
- Fluency in English and another UN language required. Knowledge of additional languages highly desirable.



Spatial Data Infrastructure – Africa Newsletter

Applications will be considered only if accompanied by an updated CV and P11 form, as well as the two most recent PERs/Evaluations. PAT No. (IMIS): (21681); Vacancy No.: VN-05-169. Contact: HR Officer: NYHQ Cluster, nyhqcluster@unicef.org. Regret letters will only be sent to shortlisted candidates. Deadline for applications: 7 June 2005.

[Executive Director, International Human Dimensions Programme](#), Bonn, Germany

The International Council for Science (ICSU) and the International Social Science Council (ISSC) invite applications for the position of Executive Director of the [International Human Dimensions Programme on Global Environmental Change \(IHDP\)](#). The IHDP is an international, interdisciplinary and non-governmental science organisation, focussing on social and human dimensions of environmental change. The IHDP is dedicated to promoting, catalysing and coordinating research, capacity-building, and networking on the human dimensions of global environmental change. The IHDP, from a social science perspective, examines areas of concern for societies on global change and works at the interface between science and practice. The Executive Director, in co-operation with the Scientific Committee and the Chairperson, facilitates the expeditious development, implementation and evaluation of the IHDP Programme. An appointment under the terms of a secondment would also be possible. The position will be filled by 15 September 2005 or as soon as possible thereafter. Letters of application with a curriculum vitae and the names of three referees should be received no later than 15 June 2005 by the IHDP Secretariat, middel.ihdp@uni-bonn.de.

Other

[UNCTAD: Free and Open Source Software: FOSS](#)

The UNCTAD "E-commerce and Development Report 2003" presents an overview of the FOSS phenomenon and explains why it is important for governments, business and civil society to seriously and openly debate and consider the benefits of a positive and pro-active approach to FOSS. UNCTAD produced a background document on FOSS for its Expert Meeting held on 22-24 September 2004.

[Measuring Africa 's e-readiness in the global networked economy: A nine-country data analysis](#)

This paper assesses the integration of Africa into the global economy by computing the e-readiness for nine African countries. The measuring tool used is simple and incorporates a variety of indicators used by comparable tools. Overall, the mean e-readiness of Africa is poor in comparison to other economies. Particularly, Sub-Saharan Africa (SSA) - with the exception of South Africa and its neighbors - has a poor e-readiness score; on the other hand, North African countries fared better than those in SSA. Furthermore, the paper highlights areas of relative strengths where policy makers in the region could exploit as efforts are made towards integrating Africa into the global networked economy.

[New ICT magazine for Africa](#)

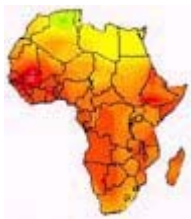
AITEC Africa and Multimedia Publications have launched a new pan-African magazine focused on computing, telecommunications and the Internet across English-speaking Africa. The new magazine is called Computing and Communications Africa (CC Africa).

[Premiere issue of the Journal of Conservation Planning](#)

The online journal is an outlet for colleagues doing conservation-oriented planning world-wide. The journal is a useful medium information about GIS and imagery oriented planning tools. Feel free to check out the newest issue and forward the message to those who may be interested. [Source: SCGIS List]

CILSS and FRAME (Case Studies): Impacts of NRM in West African drylands over the past 30 years

FRAME has been working with CILSS since February 2004 to help assess and communicate the impacts of NRM in West African drylands over the past 30 years. CILSS and FRAME are supporting UNCCD focal points to organize a series of studies and to integrate this information into national UNCCD reports. Draft reports are now available on the FRAME website for initial case studies in [Niger](#) and [Ghana](#). Fieldwork was conducted by teams of local researchers, under the leadership of Chris Reij (Niger), Stephen Turner (Ghana) and Boubacar Thiam (Mali). The studies look at the interplay of natural resources management, poverty reduction, local governance and policy. They affirm that NRM initiatives have contributed significantly to reversing environmental degradation, reducing poverty and vulnerability among rural populations and promoting local participation in grassroots governance. These reports are also being used by UNCCD focal



Spatial Data Infrastructure – Africa Newsletter

points from Niger and Ghana to present the results of their country's efforts to fight desertification at the UNCCD CRIC3 (Committee to Review Implementation of the Convention) in Bonn this month.

The Niger and Ghana reports are the first step in a multi-donor, multi-country study to document achievements of NRM initiatives across West Africa – and potentially in other parts of the world, as FRAME begins to expand its geographic focus. Documents related to the broader study are posted along with the draft case studies on the [CILSS-Sahel Study space](#) on the FRAME website. We encourage you to visit the site, look at these reports and offer your input. [Source: FRAMEgram Issue #8, May 2005]

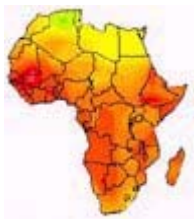
Ecological Sources of Conflicts in Sub-Saharan Africa

The research focuses on the issue of contested rights to land and natural resources in conflict zones, with an emphasis on Burundi, Rwanda, and Eastern DRC. The featured publications reveal various complex relationships between control over land (and land-based resources) and conflict. [Source: FRAMEgram Issue #8, May 2005]

Conferences, Events

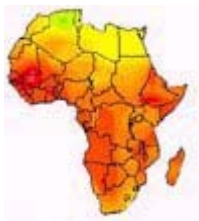
Items newly added to this listing of events since the last SDI-Africa issue are marked *** NEW ***

Date	Location	Event
June 2005		
3-6 June	Tetuan, Morocco	Information and Communication Technologies International Symposium (ICTIS'2005)
6-8 June	Porto, Portugal	25th EARSeL Symposium - Global Developments in Environmental Earth Observation from Space Followed by workshops on Remote Sensing of the Coastal Zone and 3D Remote Sensing
6-10 June	Stockholm, Sweden	ISO/TC 211 20th Plenary Contact: Jörgen Wyke, Swedish Standards Institute, jorgen.wyke@sis.se
6-12 June	Entebbe, Uganda	Forum for agricultural research in Africa (FARA) - 3rd General Assembly . Contact: Monty P. Jones, Tel: +233 21 772 823/779 421, Fax: +233 21 773 676, E-mail: mjones@fara-africa.org
9-11 June	Istanbul, Turkey	2nd International Conference on Recent Advances in Space Technologies Space in the Service of Society (RAST 2005)
14-16 June	Reston, Virginia, USA	Shuttle Radar Topography Mission (SRTM) – Data Validation and Applications Abstracts for workshop presentations due <u>April 15, 2005</u> .
16-18 June	Zaragoza, Spain	5th International Workshop on Remote Sensing and GIS Applications to Forest Fire Management: Fire Effects Assessment
16-18 June	Minneapolis, MN, USA	Open Source Geospatial '05 – MUM3/EOGEO Call for Presentations. Deadline: <u>April 15, 2005</u>
20-24 June	Angers, France	Colloque - Evaluation Environnementale et Developpement d'une Agriculture Durable
20-24 June	St. Petersburg, Russia	31st International Symposium on Remote Sensing of Environment "Global Monitoring for Sustainability and Security"
29 June * NEW *	London, U.K.	Groundwater and Poverty Reduction in Africa . A special one day meeting of the IAH British Chapter and the Hydrogeological Group of the Geological Society. Contact: amm@bgs.ac.uk .
29 June – 1 July	Sardinia, Italy	11th EC-GI & GIS Workshop, European Spatial Data Infrastructure (ESDI): Setting the Framework Deadline for abstracts: <u>16 April 2005</u> .
July 2005		



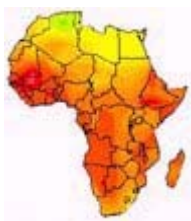
Spatial Data Infrastructure – Africa Newsletter

3-6 July	Southampton, UK	Cambridge Conference: The Exchange – to be held at Ordnance Survey's head office in Southampton, UK. With a greater emphasis on networking and round-table discussions, CC:The Exchange is designed to strengthen relationships between national mapping organization senior representatives and to complement the 2007 Cambridge Conference. Contact: nmonetwork@ordnancesurvey.co.uk
5-7 July * NEW *	Cape Town, South Africa	WCCE 2005 – The 8th IFIP World Conference on Computers in Education
5-7 July * NEW *	Elmina, Ghana	Restoration and Sustainable Forest Management in Ghana Contact: TBI-Ghana Conf. Secretariat, kwame.oduro@wur.nl
6-8 July	Mauritius	AITEC Indian Ocean - Mobilising ICTs for Development and Competitiveness in Mauritius, Madagascar, Reunion & Seychelles
9-16 July	La Coruña, España	XXII ICA International Cartographic Conference . Call for abstracts . Abstracts due <u>1 November 2004</u> . A limited number of travel awards will be made to young cartographers who are nationals from developing countries.
18-22 July	Vancouver, Canada	GML Days 2005 - will be the fourth annual conference on the OGC Geography Mark-up Language (GML) and Web Services for GIS. Abstracts due: <u>April 30, 2005</u> .
18-23 July	Tours, France	International Union for the Scientific Study of Population - XXV International Population Conference
19-23 July	Elmina, Ghana	1st Regional Biannual Conference of Africa Chapter of International Association of Landscape Ecology (Africa-IALE) Changing Landscapes of Africa: A Common Approach to Diverse Challenges (Paysages Changeants de l'Afrique: Une Approche Commune aux Défis Divers). Contact: hbulley@calmit.unl.edu ; http://calmit.unl.edu/africa-iale/cd/ ; http://calmit.unl.edu/africa-iale/index.html ; Africa-iale mailing list
24-29 July	San Diego, CA, USA	ESRI International User Conference
31 July – 2 August	Cleveland, Ohio, USA	4th Annual Public Participation GIS (PPGIS) Conference . Deadline for abstracts: <u>March 11, 2005</u> .
August 2005		
22-25 August	Jakarta, Indonesia	Map Asia 2005 Theme: Empowering People Through Geoinformation. Sub-themes: Regional Cooperation and Disaster Management. Seminars: a) Natural Resource Planning, b) Marine & Coastal GIS. Abstracts due: <u>30 May 2005</u> . Contact: info@mapasia.org
22-26 August	Copenhagen, Denmark	2nd International Workshop on Geographic Information Management (GIM '05) in conjunction with DEXA 2005 and EGOV 2005. Submission of full papers: <u>March 04, 2005</u> .
24-26 August	Cape Town, South Africa	2nd Annual Conference of the Community Informatics Research Network Deadline for abstracts and panel proposals: <u>1 February 2005</u> .
29-31 August	Cape Town, South Africa	7th Annual Conference on World Wide Web Applications Deadline for abstracts/proposals: <u>28 February 2005</u> . Contact: infow3@cput.ac.za
29 August – 3 September	Grand Baie, Mauritius	4th WIOMSA Scientific Symposium - Advances in Marine Science in Western Indian Ocean Region: Contribution of Research in Improving Human Welfare and Poverty Alleviation Contact: secretary@wiomsa.org



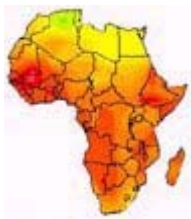
Spatial Data Infrastructure – Africa Newsletter

31 August – 2 September * NEW *	Gaborone, Botswana	2nd World Information Technology Forum (WITFOR) Hosted by the Government of the Republic of Botswana, in collaboration with the International Federation for Information Processing (IFIP). Contact: witfor@gov.bw .
September 2005		
5-9 September	Cape Town, South Africa	14th Conference of Commonwealth Statisticians
6-8 September	Bologna, Italy	River Basin Management 2005 - the third conference in the series which marks the growing international interest in the planning, design and management of river basin systems -- including all aspects of hydrology, ecology, environmental management, flood plains and wetlands.
6-8 September	Pretoria, South Africa	International Workshop on Strategies for Permanent Access to Scientific Information in Southern Africa: Focus on Health and Environmental Information for Sustainable Development
6-9 September	Johannesburg, South Africa	ACT 2005 – Seventh Annual African Computing & Telecommunications Summit Presentation proposals deadline: 30 June 2005.
6-10 September	Cape Town, South Africa	2005 Society for South African Geographers (SSAG) Biennial Conference & 2005 Annual Students Geographical Conference The University of the Western Cape is hosting the Biennial Society for South African Geographers (SSAG) Conference in conjunction with the 36th Annual Students Geographical Conference. Contact: ssag2005@uwc.ac.za
7-9 September	Brno, Czech Republic	EnviInfo 2005 - Informatics for Environmental Protection - Networking Environmental Information Deadline for abstracts: February 1, 2005.
7-9 September	Trier, Germany	1st International Conference on Remote Sensing and Geoinformation Processing in Assessment and Monitoring of Land Degradation and Desertification
7-10 September	Nairobi, Kenya	Mapping for Change: International Conference on Participatory Spatial Information Management and Communication Contact: pgis2005@itc.nl
12-13 September * NEW *	Cairo, Egypt	Arab Map 2005 - ITI 6th Arab GIS Conference . Theme: Towards improved governance and a better environment. Prior to the conference, four training days(7-8, 10-11) will be offered in topics ranging from basic GIS and RS to advanced applications, e.g. e-government, location based services and environmental decision support systems. These courses will be led by instructors from both academia and industry. Abstract deadline: 1 June 2005.
12-14 September	Bologna, Italy	2nd International Conference on Sustainable Planning and Development (Sustainable Planning 2005) The papers presented at Sustainable Planning 2005 will be published in volume 83 of <i>WIT Transactions on Ecology & the Environment</i>
13-15 September	Tanta, Egypt	Water, Health and Environment 2005 Contact: Dr Bakenaz A. Zeydan, Conference General Secretary, Head of Water Engineering Department, Faculty of Engineering, Tanta University, bakenaz@dec1.tanta.edu.eg
15-16 September	Montreal, Canada	ISO/TC 211 21st Plenary http://www.isotc211.org/



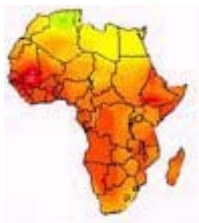
Spatial Data Infrastructure – Africa Newsletter

16-17 September	Cambridge, U.K.	GEOMED 2005 is the fifth international, interdisciplinary conference on geomedical systems. GEOMED brings together statisticians, geographers, epidemiologists, computer scientists, and public health professionals to discuss methods of spatial analysis, as well as present and debate the results of such analyses. Deadline for abstracts: <u>15 May 2005</u> .
19-23 September	Goettingen, Germany	STORMA Symposium 2005 - The Stability of Rainforest Margins: Linking Ecological, Economic and Social Constraints of Land Use Conservation
22-24 September	Nairobi, Kenya	A planning workshops on Africa Network in Earth System Science – first announcement Contact: Professor Eric Odada, University of Nairobi, eadada@uonbi.ac.ke or Professor Coleen Vogel of Witwatersrand, South Africa, vogelc@geoarc.wits.ac.za .
25-27 September	Magdeburg, Germany	Second International ICSC Symposium on Information Technologies in Environmental Engineering (ITEE'2005) The deadline for submission of papers is: <u>February 28, 2005</u> .
26-28 September	Kuwait	Kuwait First International Remote Sensing Conference & Exhibition Deadline for abstracts: <u>June 30, 2005</u> .
October 2005		
3-7 October * NEW *	Nairobi, Kenya	3rd World Congress on Conservation Agriculture . Theme: "Linking Production, Livelihoods and Conservation"
8-12 October	Kansas City, Missouri, USA	Urban and Regional Information Systems Association (URISA)'s 43rd Annual Conference Abstract deadline extended to: <u>February 11, 2005</u>
9-13 October	Bonn, Germany	6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community
23-26 October * NEW *	Chicago, Illinois, USA	2005 ESRI Health GIS Conference Contact: James Cox, jcox@esri.com .
23-27 October	Sioux Falls, South Dakota, USA	Pecora 16 - "Global Priorities in Land Remote Sensing" Deadline for abstracts: <u>February 15, 2005</u> .
25-29 October	Kusadasi, Turkey	MEDCOAST 2005 – 7th International Conference on the Mediterranean Coastal Environment Deadline for abstracts: <u>January 31, 2005</u> .
30 October – 4 November	Pretoria, South Africa	AFRICAGIS '05 7th bi-annual Africa GIS Conference. Theme: Beyond Talk: Geo-information working for Africa. This conference aims to take people beyond talking about what can be done with geo-information, to sharing information and experiences about what is being done on the continent and to showcase examples of where geo-information has made an impact on people's lives, particularly through local development and partnerships. Deadline for submission of abstracts: <u>15 April 2005</u> .
31 October – 4 November	Nairobi, Kenya	11th World Lake Conference Theme: Management of Lake Basins for their Sustainable Use: Global Experiences and African Issues. Deadline for abstract: <u>April 15, 2005</u> . Contact: info@ilekenya.go.ke
November 2005		
14-16 November	Tunis, Tunisia	IRFD World Forum on Information Society . Organized by the the International Research Foundation for Development. One of the Session Themes is Geographical Information System and Sustainable Information Society. Abstract deadline: <u>March 31, 2005</u> . Contact: wfis2005@irfd.org .



Spatial Data Infrastructure – Africa Newsletter

14-16 November * NEW *	Rabat, Morocco	UN/ESA Workshop on Spatial Information and Sustainable Development. Workshop international en Télédétection et SIG. Date limite d'envoi des résumés: <u>15 septembre 2005</u> . Contact: Prof. EMRAN Anas, emran@israbat.ac.ma , or Dr. TRACHE Abdelhak trache@emi.ac.ma .
16-18 November	Tunis, Tunisia	World Summit on the Information Society – 2 nd phase
25-26 November	Rabat, Morocco	4th National Congress, Ordre National des Ingénierus Géomètres Topographes Theme: For a land administration policy serving development. Deadline for abstracts: <u>20 August 2005</u> . Contact: onigt@yahoo.fr
27 November – 2 December	Yaounde, Cameroon	Colloque Africain Systemes d'Information et Traitement de l'Image et du Signal (SITIS) / International Conference on Signal-Image Technology and Internet-Based Systems (SITIS'05) Deadline for abstract submission: <u>May 15, 2005</u> ; proposals for tutorials due: <u>June 15, 2005</u> . Contact: sitis@u-bourgogne.fr .
28-29 November	Pretoria, South Africa	International Conference on the Changing Politics of Land in Africa Domestic Policies, Crisis Management, and Regional Norms Deadline for papers: <u>April 30, 2005</u> .
December 2005		
6-8 December	Sharm El-Sheikh, Egypt	Middle East and Africa Conference for ESRI Users Deadline for abstracts: <u>1 June 2005</u> . Contact: meuc2005@qs4it.com . The first 2 days before the conference, (4-5 December 2005) are designed to benefit GIS managers. You are welcome to register for pre-conference seminars: Cadastral and land registry, December 4, 2005, Cost: US\$250 Planning and Managing GIS, December 5, 2005, Cost: US\$100 Web Services, December 5, 2005, Cost: US\$100
16-21 December	Cairo, Egypt	13th International Conference of the Geological Society of Africa on Geology and Development. Local lead organisation, the Egyptian National Authority for Remote Sensing and Space Sciences (NARSS). Contact: Dr Mahmoud Abdeen, GSAf Vice-President (North Africa), m_m_abdeen@hotmail.com
January 2006		
February 2006		
March 2006		
March 2006	Dubai, UAE	Map Middle East 2006. Contact: gis@dm.gov.ae . http://www.gis.gov.ae/en/news/news.asp?ID=64
9-12 March 2006	Accra, Ghana	5th FIG Regional Conference for Africa Theme: "Promoting Land Administration and Good Governance". This conference is co-sponsored by UN FAO, UN-Habitat, UN ECA, RECTAS, ISM, etc. This conference will also be the first FIG regional conference in West Africa. The deadline for abstracts is <u>10 November 2005</u> .
16-22 March 2006	Mexico	4th World Water Forum The main theme of the Forum will be "Local actions for a global challenge". A series of regional meetings will be held throughout the preparatory phase in order to identify good practices and learn lessons from shared experiences, as well as to support and encourage local commitments. Guiding principles, main objectives, framework themes and topic sessions available for comments in the concept paper .
April 2006		
May 2006		
25-26 May 2006	Orlando, Florida, USA	ISO/TC 211 22nd Plenary http://www.isotc211.org/
June 2006		



Spatial Data Infrastructure – Africa Newsletter

July 2006		
9-15 July 2006	Philadelphia, PA, USA	<u>IUSS 18th World Congress of Soil Science</u>
13-17 July 2006	Wollongong and Sydney, Australia	<u>COAST - GIS 06 - 7th International Symposium on GIS and Computer Cartography for Coastal Zone Management</u> . GIS for the coastal zone: Spatial Data, Modelling and Management; Extending the Spatial Data Infrastructure. Collaboration between the International Cartographic Association's Commission on Marine Cartography and the International Geographical Union's Commission on Coastal Systems
31 July – 4 August 2006	Denver, Colorado, USA	<u>IEEE/IGARSS 2006</u>
August 2006		
September 2006		
October 2006		
6-10 October 2006	Santiago, Chile	<u>9th International Conference on Global Spatial Data Infrastructure</u> organized by the <u>GSDI Association</u> & <u>Instituto Geográfico Militar</u> . Contact: <u>gsdi9@igm.cl</u>
October 2006	Cairo, Egypt	6th African Association of Remote Sensing of the Environment (AARSE) Conference . Contact: <u>aarse@rcmrd.org</u> .
October 2006	Beijing, China	20th CODATA (Committee on Data for Science and Technology) Conference Contact: <u>codata@dial.oleane.com</u> .
November 2006		
14-15 November 2006	Riyadh, Saudi Arabia	ISO/TC 211 23rd Plenary <u>http://www.isotc211.org/</u>

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