

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. The newsletter is sponsored and prepared by the [Global Spatial Data Infrastructure](#) Secretariat to complement CODI-Geo and EIS-AFRICA's efforts.

To subscribe to SDI-Africa, please do so online at: <http://fgdc3.er.usgs.gov/Registration/>
To unsubscribe, or change your email address, contact: sdi-africa@godi.org.

Please mention SDI-Africa in any correspondence you may have on 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 would like to include them in the newsletter.

Also, please forward this newsletter onto colleagues who may find the information useful. Ideally they will subscribe themselves.

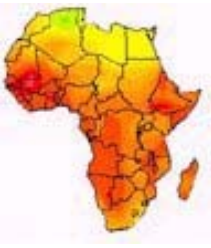
Back issues of the newsletter are at the GSDI website:GSDI: <http://www.godi.org/pubs2.html#SDINEWS>

Best regards, Kate Lance, Editor, info:infrastructure, LLC, lancekt@aya.yale.edu

Thank you to E. Amamoo-Otchere, Centre for Remote Sensing and Geographic Information Services (CERSGIS), University of Ghana, Legon (Ghana); Reuben Mavima, SADC Regional Remote Sensing Unit (Zimbabwe); M. Issa Coulibaly, Directeur Général de l'Institut Géographique du Mali, Ministère de l'Équipement et de l'Aménagement du Territoire (Mali); Jacqueline van de Pol, Global Forest Watch (Cameroon); Kwabena Asanta, USGS EROS Data Center (USA/Ghana); and Gray Tappan, USGS EROS Data Center (USA) for their contributions to this issue of the newsletter.

The [SADC Regional Remote Sensing Unit \(RRSU\)](#) has launched a web site that highlights the metadata, clearinghouse and spatial data infrastructure (SDI) activities that are taking place in the SADC region. The SADC-RRSU clearinghouse initiative started in August 2003 as a sub-activity of the [EINFORM](#) program. The details of this program are available on the website. Given below is a summary of some of the information that can be obtained from this website:

- A basic introduction to the concepts of metadata and geospatial data clearinghouses.
- A review of SDI initiatives in SADC countries.
- A summary of meetings that were held on geospatial standards
- An inventory of free Landsat, MODIS and ASTER data sets available at RRSU



- A link is provided to the Global Spatial Infrastructure (GSDI) Clearinghouse, this link allows users to search for data that has been registered with the GSDI network.

This website is undergoing some major updates, it is expected that by the end of January users should be able to view metadata records for RRSU's data holdings, as well as download some free data sets.

** Note that RRSU is organizing a SADC Spatial Data Infrastructure workshop, 23-26 February 2004. Key data managers from Southern Africa will meet to discuss their initiatives. Further details will follow in a later newsletter issue.

-- SDI update from Mali

Le 16 Décembre 2002, un décret adopté en Conseil des Ministres était signé par le Chef de l'État, créant deux instances de coordination des activités géomatiques au Mali:

- Le Conseil interministériel d'information géographique : C'est un organe consultatif placé sous l'autorité du Premier Ministre, et chargé de définir les orientations et de suivre la mise en oeuvre de la politique nationale en matière d'information géographique. Ce Conseil présidé par le Premier Ministre compte 27 membres ministériels et se réunit une fois par an. Le Ministre en charge de la Cartographie et de la Topographie assure le Secrétariat du Conseil.

- Le Comité national d'information géographique : C'est également un organe consultatif placé cette fois sous l'autorité du Ministre chargé de la Cartographie et de la Topographie. La mission de ce Comité est de donner des avis sur les données concernant l'information géographique, mettre en oeuvre les décisions prises par le Conseil interministériel, préparer les réunions du Conseil, assurer la médiation entre les acteurs, créer les conditions et les moyens facilitant les tâches d'établissement et d'utilisation de l'information géographique, proposer des normes géomatiques.

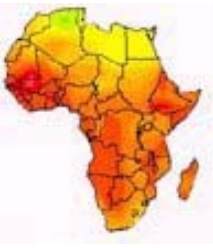
-- SDI update from Ghana

CERSGIS for the next three years will be very busily engaged in

. The purpose of the project is to provide timely and better-informed development planning and decision-making information among government agencies at national and sub-national levels. The overall objective of the project is to achieve a more effective implementation of the GPRS, particularly at the district level. By the end the project, the following results should be realized: harmonized databases in exchangeable formats included in widely used GIS's; improved operational data exchange capacity between key Ministries, Departments, Agencies (MDAs) in Ghana; regularly produced maps on poverty aspects and development activities; and installed capacity at CERSGIS to produce planning and monitoring maps on demand by Parliament, MDAs, district and development partners. CERSGIS is going to be extremely busy and 'religiously committed' to this effort, as a forerunner in the CODI-Geoinformation initiative. CERSGIS was selected by the European Development Fund as a key implementer of this project. CERSGIS will be part of a wide area network with five major Government players, who will tap into the project server(s) for the data they need. The players are the Presidency, Parliament, Ministries of Finance, Local Government, and the National Development Planning Commission. Via local Government offices, all the district assemblies will have their district level planning and monitoring data sets put into the server for easy reach by all. *This is cutting-edge information management!* CERSGIS is so excited about this opportunity, that while they are waiting to finalize the contract, they have already begun to work on the Enumeration Area Maps of the Ghana Statistical Service (GSS) to produce the first data set – Enumeration area data from the 2000 population census, which will be used in turn to assist in the revision required for planning the next future census, and also to revise the electoral map of the country. The population data will be the basic socio-cultural data layer for linking to the development variables that will be considered by development practitioners as necessary for conceiving planning projects, evaluating them, etc. Stay tuned for further updates! CERSGIS will be keeping the SDI-Africa newsletter informed about the project's progress. Note that it has taken CERSGIS four years of hard work as a self-supporting GIS organization to justify the trust that the EDF is now demonstrating in them.

-- SDI update from Kenya

December 19, 2003, The East African Standard (Nairobi):



Kibaki noted that the new Atlas, as a handy reference of information on Kenya, will enhance the knowledge and use of maps. He said the atlas, which presents the various aspects of the country's physical, cultural and historical background, would also provide improved knowledge about Kenya regionally and globally, particularly on the country's unique tourist attractions. The National Atlas is a special edition designed to mark the 40th year of Kenya's independence and the 100th anniversary of the Survey Department of Kenya. The President presented the Atlas to the Minister for Lands and Settlement Amos Kimunya.

-- update from West Africa

The _____, is the second in a series of three on assessing land use and land cover trends across West Africa. The workshop will focus on the coastal countries of West Africa, from Nigeria to Guinea. During the previous workshop, national teams from each workshop stratified their respective countries into ecological regions. These will be the basis for the land use trends analysis. During the March workshop, the national teams will return to interpret Landsat and Corona imagery spanning the years 1965 to 2002, to map and quantify land use and land cover trends within each ecoregion. The workshop will focus on image interpretation, land use and land cover classification and mapping, and time-series trends analysis. A third workshop scheduled later in 2004 will complete the exercise by preparing reports on land use / land cover trends for each country. For further information, contact [Gray Tappan](#).

-- SDI update from Burundi

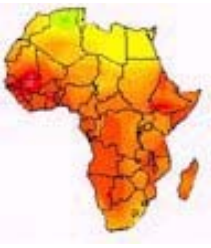
[United Nations, New York, 14 October 2002](#) - The United Nations Population Fund (UNFPA) compiled the largest collection of socio-demographic data in Burundi since the beginning of the country's civil war in 1993. The new data, resulting from surveying 7,500 households in rural and urban areas, as well as the country's displacement camps, will facilitate the adoption of the appropriate national development plans by the government, academic institutions and health agencies. The data will also help in formulating rehabilitation and reconstruction plans in a more effective way. UNFPA started compiling the data in July 2002 with the help of more than 200 well-trained surveyors. The surveyors were able to visit more than 230 sites around the country, reaching more than 50,000 people who lived at 1,000 urban households, 2,800 rural households, and 3,600 displaced households.

[SANS 1-1 'Standards for standards Part 1: The development of national standards and other normative documents'](#) outlines the underlying principles of the preparation of national standards and other normative documents published by Standards South Africa (STANSA). This standard, which replaces ARP 017, is intended to serve as a guide for committee members and chairpersons, and provides background information for standards development organizations, interested organizations and members of the public.

Note as well, [_____](#). Quality and Standards Authority of Ethiopia

The [_____](#) computerised all 20 million land records of 6.7 million land owners in 176 taluks of Karnataka State in India. It also allows printout of land records on demand (including by farmers). This system works with the software called " _____ " designed developed by the National Informatics Center, Bangalore. While the project is largely funded by Government of India; some critical components of this project are funded by State Government. The project also resulted in the first online kiosk in India. It has been the recipient of the Silver Award at the CAPAM Awards 2002. The project also appears likely to be replicated in other areas.

A free downloadable [demo](#) of GeoTiff Examiner Pro is now available at [_____](#). The software is a utility designed to examine and manipulate TIFF (or .tiff) and GeoTIFF tags. Some of the features in the GeoTIFF Examiner Pro software include the ability to georeference TIFF (or .tiff) images, batch processing of several TIFF files, and the conversion of multiple TIFF files to GeoTIFF files from an existing World files and vice versa. Source: GIS Monitor January 22, 2004 from GITC America



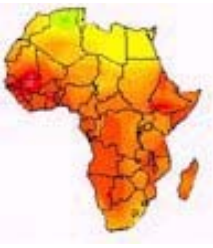
At [meetings](#) held at United Nations Headquarters in January 2004, [OGC](#) members approved the [_____](#). The OpenLS Implementation Specification defines a set of core interfaces for implementing interoperable location service applications. The core interfaces are for accessing directory services (such as yellow pages), route determination, location determination gateway, geocoding, reverse geocoding, and portrayal services using standard Web protocols. The interfaces allow telecommunications companies, telematics service providers, traditional GIS technology companies, and location-based services (LBS) providers to efficiently implement interoperable LBS applications that seamlessly access multiple content repositories and service frameworks that work across the world's many different wireless networks and devices.

On 20 November 2003, the [European Space Agency](#) formally began a project to map wetlands from space, providing data on around 50 sites in 21 countries worldwide. ESA's new €1 million Globwetland project is producing satellite-derived and geo-referenced products including inventory maps and digital elevation models of wetlands and the surrounding catchment areas. These products will aid local and national authorities in fulfilling their Ramsar obligations, and should also function as a helpful tool for wetland managers and scientific researchers.

(insights from Wales)

[_____](#). This paper describes how the Welsh Agricultural and Rural Affairs Department (ARAD) and RMSI, with Landmark Information Group and Infoterra Ltd, successfully managed to develop this project from a data capture exercise to the establishment of efficient and quality systems throughout a restructured administration. A consortium was tasked by the ARAD to undertake, in close partnership with them, the development of a Geographic Information System to edit and maintain a database of farm plans to support the Integrated Administration and Control System (IACS). This project, which was conceived, developed and delivered within 7 months and a limited budget, followed on from the successful completion, by the ILR consortium and ARAD, of the creation of a digital farm map for nearly 17,000 holdings across Wales, linking each field to the data that has to be submitted by farmers under the IACS scheme.

[_____](#). [African Journal of Environmental Assessment and Management](#) (Vol 4., No. 2)/ Revue africaine de gestion et d'évaluation environnementales. By Adeniyi Olabisi Arimoro, Mofoluso A. Fagbeja, and Wilson Eedy. Many African countries have experienced untold environmental degradation and ecological deterioration in the past century, with little or no real solution to alleviate many of these concerns. Poorly planned human interference has been the major cause. Adequate information and appropriate technology are limiting factors for effective environmental management. Hence, efforts to improve, conserve and protect the environment will include not only the resolution of political policies but also the application of a state-of-the-art scientific approach to planning and implementation. The process of Environmental Impact Assessment (EIA) was developed as an effective planning tool. The genuine conduct of this process will go a long way in reducing environmental deterioration. Because of the dynamic characteristics and multivariate nature of the environment, it has often been difficult to collate, analyze and interpret its data sets. However, this great complexity can be overcome with the innovation and application of a system of computer tools such as the Geographic Information System (GIS) and related technology. GIS also offers graphical presentation of environmental impact statement (EIA) for easy analysis during the decision-making processes. Because GIS is proficient in data collection and collation, it has become an appropriate mechanism for creating environmental information system database. This storage facility makes environmental data easier to upgrade, update and retrieve as desired. Examples are presented of the advancement in the use of GIS in EIA in Nigeria over the past ten years. The conclusion is that the technology is now available in Nigeria equal to



anywhere else in the World. The issue comes from the need to ensure that this is properly applied within the regulatory and monitoring system. We strongly recommend the use of GIS for proper EIA processes to help contribute to the resolution of the many environmental problems plaguing Africa.

The UNEP World Conservation Monitoring Centre, in collaboration with the Foreign & Commonwealth Office of the British Government, is pleased to offer six UNEP-WCMC Chevening Scholarships in Biodiversity, beginning in September 2004. Successful candidates will have the opportunity to spend a year at the Cambridge-based Centre, where they will work alongside our experts and contribute to UNEP global assessments and to work on international environmental agreements. As with all [Chevening](#) scholarships, candidates are expected to be of a high academic calibre. Applicants for this prestigious award will be expected to prove their commitment to a future working in national and regional policy development and resolving biodiversity-related challenges. Closing date for applications - 1st March 2004.

[STRI's Center for Tropical Forest Science](#) is currently accepting proposals for the fourth cycle of their [_____](#). This grants program is intended to provide opportunities for researchers to utilize existing Forest Dynamics Plots and to conduct research with scientists associated with these plots. The CTFS network of FDPs includes 17 sites in 13 countries. All researchers are encouraged to apply - from graduate students to senior scientists - for projects three months to three years in length. Research proposals can be field-oriented, laboratory-based, herbarium-based, or analytical. The next deadline is February 27, 2004. As in previous cycles, a total of approximately \$100,000 will be awarded. For more information regarding the CTFS Research Grants Program, contact mmassa@stridc.si.edu. [Source of this announcement: AfricaList - General Listserve for the Africa Section of the Society of Conservation Biology].

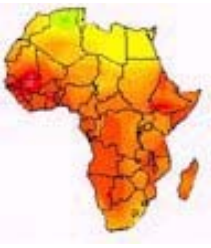
[Bourses d'Etudes /](#)

The WWF Prince Bernhard Scholarship Fund for Nature Conservation was established in 1991 in honour of WWF's founder President, Prince Bernhard of The Netherlands. The Scholarships are administered by the People and Conservation Unit of WWF International, based in Gland, Switzerland. The general aim of the Prince Bernhard Scholarship Fund is to provide financial support to individuals wishing to pursue professional training or formal studies that will help them to contribute more effectively to conservation efforts in their country. Studies supported under this scheme may be in any discipline which is directly relevant to the delivery and promotion of conservation. The maximum amount for any one scholarship under this award scheme is CHF 10,000 (or equivalent in other currencies). The financial support provided through the fund may be used to pay for course fees, travel and living expenses whilst studying, or a combination of both. Deadline for applications: 1st March

Criteria for Selection of Candidates:

1. That candidates show a long-term commitment to providing conservation leadership and expertise for the benefit of their country's natural environment.
2. That candidates have made a contribution to conservation, with a proven performance in any field relating to environment and conservation, including social and natural sciences (ranging from environmental journalism, law and education to ecology and wildlife management).
3. That candidates are seeking support for study or training periods lasting one year or less. Short study courses, distance learning or part-time study are encouraged in order to help key people remain in the field. Study must be initiated no earlier than 1 July of each calendar year and no later than 30 June of the following year.
4. Only candidates from developing countries, central and eastern Europe, and the Middle East will be considered.
5. Local or regional education/training institutions will be preferred to international institutions where suitable courses of high quality are available.
6. Scholarships will not be renewed or repeated (unless there are exceptional circumstances).

Notes:



- a) The maximum amount for any one scholarship under this award scheme is CHF 10,000 (or equivalent in other currencies).
- b) The financial support provided through the fund may be used to pay for course fees, travel and living expenses whilst studying, or a combination of both.
- c) All applications should be made on the standard application form. Copies of this form are available from the address below. Photocopies of this form are also acceptable.
- d) Applications should be returned to: WWF Prince Bernhard Scholarships for Nature Conservation, WWF International, Avenue du Mont Blanc, CH-1196 Gland, Switzerland, Tel: +41 22 364 90 43, Fax: +41 22 364 58 29.

Programme. The [Joint Japan/World Bank Graduate Scholarship Program](#) (JJ/WBGSP) is in its 17th year. The Program awards scholarships to individuals from World Bank member countries to undertake graduate studies at universities renowned for their development research and teaching. Application forms together with all supporting documents must be submitted no later than March 31, 2004

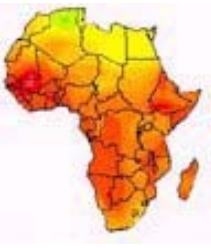
The Beahrs Environmental Leadership Program at the University of California, Berkeley, is seeking applicants for the [Beahrs Environmental Leadership Program](#). The 2004 summer certificate course will take place from 26 June-18 July. More information is also available on the [Beahrs ELP website](#). The Beahrs ELP seeks participants who are mid-career environmental and development professionals from academia, government, NGOs and the private sector. Each successful applicant will be responsible for seeking funding from his/her employer, government, foundations or other funding institutions to cover the course fees and travel expenses. The Program has resources to offer a limited number of partial scholarships. However, the Program is unable to offer any full scholarships. Application review begins 1 February, and applications must be received no later than 15 March 2004.

(FPP)

Offered by the [Swiss Centre for International Agriculture](#). FPP is a grant scheme providing PhD and post-doctoral fellowships. PhD fellowships are funded for three years, post-doctoral fellowships for two years. The Research is in the fields of agriculture, forestry or natural resource management for development; is embedded in a research partnership – the partnership involves a Swiss and an international research institution, e.g. CGIAR centre or equivalent institution; is relevant to SDC's priorities; ensures professional supervision by the institutions involved and ensures scientific backstopping by collaborating partner institutions. The successful candidate must be a PhD or a post-doctoral research candidate; is Swiss (or "well established" Swiss resident), or a developing/transition country national; is not older than 35 years for Swiss citizens, or 40 years in the case of nationals from developing or transition countries; has some experience in the selected research area and has a true interest in development and shows an openness to the socio-economic and cultural context of the research. RFPP strives for gender balance, therefore female candidates are especially invited to submit a project proposal. Projects can be submitted twice a year, at the end of March and end of September. The next dates for submission are March 31, 2004 and September 30, 2004. Contact Marc Zoss: marc.zoss@agrl.ethz.ch

Global Biodiversity Information Facility (GBIF) has announced its call for pre-proposals to establish academic chairs under the GBIF/UNESCO Chairs in Biodiversity Informatics initiative. This new capacity building pursuit constitutes a valuable mechanism to provide training to individuals in developing countries. It aims at fostering a new generation of outstanding experts in biodiversity informatics with the establishment of curricula at the university level and the issuing of master's and Ph.D degrees. This program also allows for biodiversity informatics research activities within an academic realm. Deadline for the submission of pre-proposals: 15 March 2004

Global Biodiversity Information Facility (GBIF) secretariat is issuing two [pre-proposals](#) (RFP), one to provide seed money for selected projects to [digitize and geo-reference natural history specimen label data and integrate observational records into the GBIF network](#), and one to speed up the process of [creating an electronic catalogue](#) of the names of known organisms. Deadline for submission of the pre-proposals is March 2, 2004.



_____ (for U.S.-based researchers)

Cornell and Clark Atlanta Universities invite research proposals from U.S. based Ph.D. students and faculty in economics, agricultural economics, and other closely related fields to be carried out in selected African countries. The grant is supported by USAID under the Strategies and Analysis for Growth and Access ([SAGA](#)) project. The overall goal of SAGA is to increase African capacity to produce high quality, policy oriented research on key issues affecting economic growth and access in Saharan Africa. The [grant](#) would cover costs of travel, research-related expenses (e.g., data collection) and a stipend to cover daily lodging and food (\$5,000 - \$20,000). The recipients of the grant will be based in one of the member research institutes of the Secretariat for Institutional Support for Economic Research in Africa (SISERA) during the field research period. Who can Apply: All Ph.D. candidates (ABD and/or very close in being ABD) and faculty members in U.S. universities in Economics, Agricultural Economics, and other closely related fields. Deadline: March 30, 2004 (must be postmarked)

Sponsored by the Reuters Foundation and Stanford University, 12 Digital Vision Fellowships will be awarded on 17 May 2004 for the academic year 2004-2005. Digital Vision Fellows design and build ICT-based solutions for the developing world, drawing on the resources of Stanford University and Silicon Valley to create a sustainable technology project that serves a humanitarian purpose in the developing world. DV Fellows have "Visiting Scholar" privileges at Stanford, including the ability to audit academic courses. Fellows also participate in a structured Digital Vision Programme with weekly seminars and workshops. Successful candidates are professionals who wish to apply their skills to a humanitarian project, and programme managers who are engaged in ICT projects in the developing world. Closing Date: 1 March 2004. Contact: Digital Vision Programme: digitalvision@csl.stanford.edu.

Marine and Coastal Science for Management (MASMA)

The Programme Committee of the _____

within and outside the region to submit letters of intent for the _____

information, contact Julius Francis, julius@wiomsa.org. Source: the [ODINAFRICA web site](#)

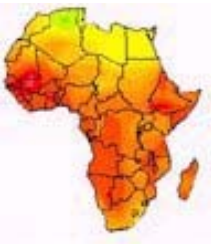
invites experts from _____

. For further _____

This event is an industry simulation set in the future. Teams of High School students prepare designs for cities in space where over 10,000 people will live. The Competition is an exercise of creativity, technical competence, management skills, environmental knowledge, resources in space, teamwork, and presentation techniques. Each year the Competition organizers develop a new design challenge. Participating teams of students simulate the experience of working on an industry proposal team. Teams should submit a written (on paper) design description by March 31, 2004, to judges who will evaluate the proposals and select eight Finalist teams to attend the Finalist Design Competition at Kennedy Space Center in Florida, July 17-19, 2004. (International entrants: American High School students are typically between 14 and 18 years of age).

Applications Invited for _____ . Deadline: February 28, 2004.

The Council on Library and Information Resources (CLIR) is accepting applications for the Bill & Melinda Gates Foundation Access to Learning Award for 2004. The award is given annually to a public library or similar organization outside the United States that has shown a commitment to offering the public free access to information technology through an existing innovative program. The award includes a grant of up to \$1 million. Public libraries or similar organizations outside the United States are invited to apply. Preference will be given to institutions that the Gates Foundation has not funded in the past. U.S. libraries are not eligible to apply. Under the terms of the program, a library offers "free public access" if it allows all members of the public, including children and young people, to use its facilities free of charge (without membership or Internet fees). Organizations should demonstrate how they make information technology available to the public free of charge and what kinds of technology training they offer to the public and staff. Preference will be given to organizations that reach out to underserved populations, such as poor or disabled patrons, or those from minority groups. A library's programs are considered "innovative" if they provide access to information technology and services that were previously unavailable to the community. The programs could be relatively new, small ones or long-term, larger initiatives. The application can be downloaded on the CLIR Web site. The forms are available only in English and must be completed in English.



Microsoft Corp. has announced the launch of Unlimited Potential (UP), a global initiative focused on providing technology skills for disadvantaged individuals through community-based technology and learning centers (CTLCs). Microsoft will commit more than \$1 billion to the initiative over the next five years. UP initially will provide funding to help CTLCs hire and train technology instructors. Subsequent phases of the effort will see the creation of an online global support network that delivers technology curriculum, research, tools, and help-desk services to CTLCs worldwide. UP also will sponsor a global and regional awards program designed to encourage innovation and invest in technology solutions that can scale for broader use. Whether they're found in rural locations in developing countries or in urban locations in developed countries, CTLCs share common attributes. For the purposes of the UP program, key attributes of CTLCs include public access (accessible on a walk-in, low-fee, or no-fee basis); an informal, welcoming environment; strong leadership/local champion; friendly, knowledgeable staff or volunteers; a social benefit focus/mission; relevant curriculum (driven by local demand); and well-maintained, reliable computer equipment, peripherals, and connectivity. Microsoft will consider the following CTLC organizational types eligible for funding: nonprofit (in the U.S., 501(c)(3) designation) or nongovernmental organizations that hold charitable status in their country; school-based (a nonprofit or governmental organization that provides services to the community during non-school hours such as evenings and weekends); and government funded and operated.

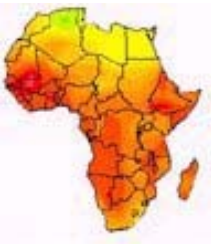
Khartoum, Sudan, 4 – 8 April 2004 - This workshop is being planned for participants from Africa and Western Asia and will focus on the use of space technology within the region to support activities in the area of Natural Resources Management, Environmental Monitoring and Disaster Management. Deadline for application is: Friday 27 February 2004.

Education for Educators - 3 May -- 11 June 2004 - Stockholm and Kiruna, Sweden - Specifically designed for educators from developing countries holding at least a Master degree in subjects related to the course. Female teachers are particularly encouraged to apply. Scholarships are available for participants from these same countries, covering the participation fee, accommodation and costs for international travels. Closing date for application is 31 January 2004, when the application form must have reached the appropriate Swedish embassy in the country of each respective applicant. If there is no embassy in your country, check with the following person where to send the form: sara.hyllman@natgeo.su.

[Loma Linda University's School of Public Health](#) recently developed a _____

_____ for the Advancement of Geographic Information Science
2nd Annual Summer School on Geographic Information Science, focusing on Spatial analysis, SDI research, and Geodemographics, 5 - 23 July 2004 (three, one-week sessions). The Summer School is aimed at researchers from the university, commercial, and government sectors. It provides an inspiring and productive opportunity for peer-to-peer interaction with leading international experts in the field. Attendees will be selected based on merit, and according to space limitations. To insure maximum interaction, the number of participants is limited: so register early! Deadline: 30 April 2004.

_____ (EARSeL) is organising its _____, to be held at the National Research Centre in Cairo, Egypt, from 26-29 September 2004. The main topics will include : Adapted Mapping Methods, Monitoring Salinisation, Desertification and Erosion and DEM Generation from Remote Sensing Data. The Workshop will include a field trip to the Ismailia Governorate. Deadline for abstracts: 22 February 2004.



A number of _____ with [International Research Institute for Climate Prediction](#) were announced in the SDI Africa Vol 2., No. 4 issue. Several are still available. A revised application deadline was given as 24 January 2004, but the search will not be completed until candidates are appointed.

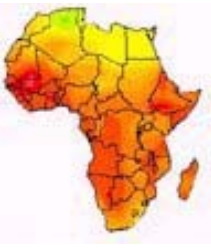
_____, Loita-Purko Forest Project, Narok District, Southern Rift Valley Region, Kenya
IUCN Eastern Africa Regional Office is inviting applications from suitably qualified candidates to fill the post of Technical Advisor (TA) for the project. This is a two-year posting. The Loita forest is located in Narok District, Southern Rift Valley region, in Kenya and is of vital importance to the Maasai pastoralists and their land management systems. The project office will be located at Entesekera in Loita Division. The TA will work closely with the Loita/Purko forest adjacent communities and IUCN EARO's Technical Coordinators. Deadline: 15 February 2004.

_____, Cameroon
L'UICN cherche un formateur pour le renforcement des partenaires de Global Forest Watch dans les domaines Systèmes d'Information Géographiques (SIG) et télédétection. Le formateur en SIG et télédétection appuiera les activités de formation et de collecte des données de Global Forest Watch en Afrique centrale. Il/Elle sera basée au Cameroun et voyagera régulièrement dans la région et à Washington aux Etats-Unis. Le formateur se focalisera sur :
- Renforcement des capacités SIG des partenaires de GFW en Afrique centrale (GPS, SIG et télédétection);
- Assistance technique aux partenaires de GFW pour la méthode de collecte des données et la construction de bases des données solides ;
- Communication avec les utilisateurs des données de GFW sur des questions SIG.
Le formateur travaillera sous la supervision du conseiller de GFW en Afrique centrale et fera équipe avec le coordonnateur de GFW au Congo et les membres du laboratoire SIG du World Resources Institute à Washington. Ils devront être déposés au plus tard le 30 janvier 2004 à 17 heures

_____, Gaborone, Botswana
Start date: as soon as possible. Deadline for applications: February 4, 2004
The expert will be required to coordinate technical and information technology activities and participate in the formulation of policy and development of scientific programmes for the Department of Meteorological Services. Please note that only nationals of Commonwealth countries can be considered for appointments through and within the Commonwealth Secretariat.

_____, Freetown, Sierra Leone. Appointment will be with the Commonwealth Secretariat at the Ministry Agriculture Sierra Leone, reporting to the Ministry of Agriculture National Planning Office. Duration of position: 2 Years. Please note that only nationals of Commonwealth countries can be considered for appointments through and within the Commonwealth Secretariat. Deadline for applications: February 12, 2004. E-mail: j.dhanda@commonwealth.int
If you wish to pursue your interest, complete and send a Personal History Form (application form) which can be downloaded from the vacancies section on the [Commonwealth Secretariat website](#). If you have difficulties downloading the Personal History Form, contact j.dhanda@commonwealth.int with a contact address and the relevant information will be posted to you. The person must have as a minimum an MSc in Agriculture and/or related Sciences. He/she must have at least ten years experience and a proven record of proficiency in similar fields of management.

_____, Ref : AD028
The UNEP World Conservation Monitoring Centre has an international reputation for providing information for policy and action to conserve the living world. The Centre works with mining, oil and gas industries to identify opportunities for biological diversity in their planning and decision making processes. A new project has been set up to help industry identify their biodiversity information reserves, and how this information can be shared. WCNC now would like to appoint a Programme Officer to work on this project and help with other biodiversity services for industry. Essential requirements are that candidates should hold a degree in biological or environmental sciences, plus a



- establishment a food security surveillance system through the monitoring and reporting of specific food and livelihood security indicators. This will involve the collection both qualitative and quantitative data at both macro and micro level.
 - selection of appropriate sentinel sites and sensitive indicators to reflect the changes in food security situation. This has commenced but will need to be developed further.
 - training Rural Development Agents (RDA' s from ANADER, the local government agricultural agency) in food security surveillance and specifically in the collection of this data at village level.
- Last Date: February 3, 2004. Contract: 12 months Hours: Full Time Salary: Globally competitive package Start date: as soon as possible, ideally they would like someone in post by the end of February.
Apply on-line though [Oxfam's website](#). Search for this job on their website using reference number INT535.

_____ - After nearly 2 years sending information on space technology and disaster management the list of those interested in receiving information has mushroomed to a size which is a bit difficult to manage, so OOSA will be counting on a mailing list more and more to send information out. With over 6400 participants they need a mailing list to manage subscriptions, unsubscriptions and bounces. Visit the link to subscribe. Source: Space Technology and Disaster Management - January 2004 Update

Kwabena Asante, USGS EROS Data Center (USA / Ghana)

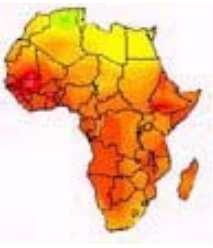
_____ is a free, expedited, peer-reviewed international journal of the environmental sciences. AJEAM/RAGÉE focuses exclusively on environmental issues in Africa, and aims to give Africa the opportunity to report on measures taken so far in caring for its environment as well as in institutionalizing formal environmental assessment and management principles and practices. It will make it possible to answer the question "Who is doing What, Where and with Whom?" in African environmental impact assessment and management.

_____ The listserv will help the collaboration and communication between all professionals interested in RS/GIS for Public Health and specifically for Infectious Diseases Control. This is a multilanguage listserv please feel free to send messages in your mother tongue.

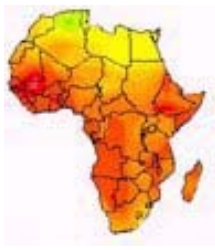
_____ Esta lista de correo electrónico ayudará a la colaboración y la comunicación entre todos los profesionales interesados en PR/SIG para la Salud Pública y específicamente para el Control de Enfermedades Infecciosas. Esta es una lista de correo electrónico multidioma sírvase a enviar libremente mensajes en su lengua materna.

_____ Essa lista de correio eletrônico ajudará a colaboraçã e a comunicaçã entre todos os profissionais interessados em SR/SIG para a Saúde Pública e específicamente para o Controle de Doenças Infecciosas. Esta é uma lista de correio eletrônico multidioma, por favor, envie mensagens em sua língua materna.

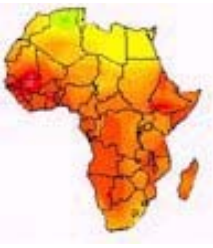
_____ Do you have undated content on your site? How about high resolution photos? Jakob Nielsen's 12/22/03 Alertbox lists these and other web design mistakes. Top Ten Web Design Mistakes of 2003



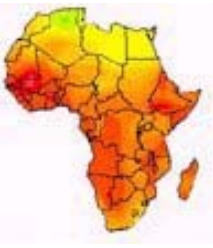
		Networking for Development.
	Durban, South Africa	_____ _____
	Pointe-aux-Piments, Mauritius	_____ _____
	Nairobi, Kenya	The _____ Incorporating The African e-Commerce Forum (regional) and ea.telecom: The East African Telecommunications & Broadcasting Exhibition & Conference (regional). Organised by AITEC under the auspices of the ICT Board of the Kenya Private Sector Alliance. The Kenya National ICT Convention will be the culmination of a series of national sector-focused ICT conferences convened by the National ICT Board to drive forward effective ICT applications and solutions to underpin Kenya's economic transformation into an electronically empowered economy competing effectively in the world economy and providing increased employment opportunities for its citizens.
	Alexandria, Egypt	_____ _____
	Antwerp, Belgium	_____ under the auspices of OSTC / CNES / SNSB / ASI / EC. This Conference is the second dedicated forum where users of the SPOT4/5-VEGETATION 1 and 2 data have the opportunity to present the results of their research and development efforts as well as their operational applications, and exchange experiences and expectations. Deadline for the submission of abstracts (extended) to February 20, 2004.
	Washington, DC, USA	_____ . Global Disaster Information Network (GDIN) is an organization that is dedicated to improving the flow of information before and during natural disasters. Conference themes include: emergency telecommunications, disaster manager needs, the UN International Strategy on Disaster Reduction, information management (including homeland security), urban search and rescue, and many more. Contact: gdin2003@hotmail.com [the GDIN Secretariat is pleased to announce that the Government of South Africa has offered to host the 7th GDIN Conference].
	Dakar, Senegal	_____ . The objectives of this forum are: to draw lessons on how successful water, sanitation and hygiene programs, sector reforms and development partnerships are leading to the eradication of poverty; and to strengthen regional and national partnership initiatives aimed at attaining the goals of the WSSD.
	Kampala, Uganda	_____ Organized by 2020 Vision Initiative of the International Food Policy Research Institute (IFPRI), Washington, DC. Contact Rajul Pandya-Lorch, Head, 2020 Vision Initiative, r.pandya-lorch@cgiar.org .
	Khartoum, Sudan	_____ _____ Organized jointly by the United Nations Office for Outer Space Affairs and the Remote Sensing Authority, National Center for Research - Sudan, co-organized together with the European Space Agency. Deadline for application is: Friday <u>27 February 2004</u> .



	New York, NY, USA	_____ (UNGEGN) http://unstats.un.org/unsd/geoinfo/englishUNGEGN.pdf http://unstats.un.org/unsd/geoinfo/frenchUNGEGN.pdf (français)
	Belgrade, Serbia and Montenegro	_____ . MeCEO 2004 has as its main objective the initiation of a dialogue between experts from developed and developing countries with a view to identifying mutually acceptable ways and means, which would enable all interested countries, either to participate in the development of this technology and its applications or to have easier access to its practical benefits. Although in its geographical scope the Conference is focused on the Mediterranean Region, where there are very specific requirements for the application of remote sensing, the Conference is open for participants from all countries.
	Heraklion, Crete, Greece	_____
(dates to be determined)	Cape Town, South Africa	The theme of the conference is proposed to be Evaluation for Effective Development in Africa
	Johor, Malaysia	_____ : GISDECO 2004 , on GIS Capacity Building and Infrastructure. GISDECO Secretariat: Email :b-haris@utm.my. General information on GISDECO or details of past events please see: http://www.itc.nl/gisdeco/ or email Richard Sliuzas, GISDECO Int'l coordinator at GISDECO@itc.nl .
	Miami Beach, Florida, USA	_____ and Geospatial Solutions and the Intergraph GeoSpatial Users Community are organizing the fourth annual GeoSpatial World, themed, "Open. Solutions. Exchange." The program for GeoSpatial World will address open technology and standards, demonstrate proven industry solutions, and provide a platform for the exchange of ideas and expertise with users from around the world.
	Athens, Greece	The theme and programme covers all ten FIG Commissions (professional practice; professional education; spatial information and management; hydrography; positioning and measurement; engineering surveys; cadastre and land management; spatial planning and development; valuation and the management of real estate; and construction economics and management).
	Ohrid FY Repub. Macedonia	_____
	Orleans, France	_____ 20eme Colloque de Geologie Afrique - Cirulaire premiere. Symposia topics include: Geodynamics of Africa; Earth Resources and Sustainable Development of Africa; Geohazards, Environmental management, Paleoclimatology and Human Evolution in Africa; and Geoscience Education in Africa. There will also be workshops: 1) The future role of African Geological and Mining Surveys, 2) Earth resources, sustainable development and poverty alleviation in Africa, 3) Geoscientific Maps of Africa including Tectonic map of Africa (CGMW), and 4) Initiative for integrated research projects in Africa (CNRS-INSU, Univ., IRD, IFREMER, BRGM, etc.).
	Gavle, Sweden	_____ : Geospatial Information Research: Bridging the Pacific



		and Atlantic, 12th International Conference on Geomatics.
	Rabat, Morocco	Based on the French project RED GEMS (Re-Emergent Diseases Global Environment Monitoring from Space) it will be an in-depth concentration on tele-medicine and tele-epidemiology.
	Johannesburg, South Africa	The conference will embrace several parallel symposia catering for different areas of specialization, including economic geology, palaeontology, tectonics, geophysics, sedimentology, geohydrology, geological education and geomorphology, together forming the Geoscientific Forum. University of the Witwatersrand
	Istanbul, Turkey	_____ -Geo-Imagery: Bridging Continents. Contact: oaltan@srv.ins.itu.edu.tr
	San Diego, California, USA	_____
	Mauritius	(BPoA +10). Contact: mauritius2004@sidsnet.org
	Agro-Montpellier, France	The Workshop (GW-DSM) aims to discuss and further develop new rapid and economic methods for digitally mapping soil classes and attributes (and their uncertainties) particularly at resolutions of 20 metres to 500 metres. The Workshop should be of interest to all those concerned in the future of soil resource assessment. For expressions of interest, and more details, contact Philippe Lagacherie, lagacherie@ensam.inra.fr .
	Geneva, Switzerland	_____ (ISoCaRP). Theme: 'Management of Urban Regions'
	Marrakech, Morocco	The _____ , sponsored by the International Water Association (IWA), will bring together all those interested in sustainable water resources management. Topics to be discussed include: operating water and wastewater systems; integrated water resource and river basin management; and water and health.
	Cairo, Egypt	_____ (EARSeL) is organising its _____ . The main topics will include : Adapted Mapping Methods, Monitoring Salinisation, Desertification and Erosion and DEM Generation from Remote Sensing Data. Deadline for abstracts: <u>22 February 2004.</u>
	Maputo, Mozambique	Contact: _____ . Contact: DINAGECA , dinageca@teledata.mz
	Baveno, Italy (JRC)	_____
	Nairobi, Kenya	_____ . Jointly hosted by the Regional Centre for Mapping of Resources for Development (RCMRD), Ministries of Environment, Natural Resources and Wildlife and of Lands and Settlement in Kenya, and UNESCO/UNEP Office, Nairobi. The theme of the 5th AARSE Conference is "The Role of Geo-Information Technologies (GIT) in the New Partnership for African



		Development (NEPAD)". Contact: rcmrd@rcmrd.org or ottichilo@rcmrd.org
	Udine, Italy	_____ : Role of Multi-purpose Agriculture in Sustaining Global Environment . The Symposium covers a wide range of topics addressing key environmental and agricultural issues through applying new technologies that aim at sustaining agricultural systems, monitoring environment and conserving natural resources. Participants are invited to submit papers, coherent with the above said objectives and topics, that will be published in the proceedings. E-mail address: agroenv@uniud.it .
	Geneva, Switzerland	_____ - 18th International Conference on Informatics for Environmental Protection The 2004 symposium will focus on 'sharing': sharing information technologies, sharing data and knowledge. Organized by the CERN, the European Organization for Nuclear Research. Deadline for submission of abstracts: Feb. 2004
	Berlin, Germany	_____ (Committee on Data for Science and Technology)
	Cape Town, South Africa	_____
	Cairo, Egypt	
	La Coruña, España	_____ .
	Philadelphia, Pennsylvania, USA	_____

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