

Global Network of Institutions for Statistical Training (GIST)

Concept Note

Introduction

Development of statistics and data is now being recognized as one of the key priorities of the 2030 Agenda. The 2030 Agenda and SDGs are already generating a lot of demand from countries for statistical capacity building including training on areas related to the production and utilization of data and statistics for the agenda. The Cape Town Global Action Plan for Sustainable Development Data prioritizes statistical capacity building as essential action area for achieving the scope and intent of the 2030 Agenda and provides a framework for its planning and implementation. Extensive methodological work is in progress to meet data requirements for new topics and emphasis on administrative and non-traditional data sources are gaining grounds. Such new sources and methods are likely to generate even greater demands for training from countries over the next few years. A recent on-line survey on training needs assessment of NSOs conducted by UNSD clearly brought out the fact that the countries are looking to prioritize training in new and non-traditional areas.

A quick scan of the current scenario of the training courses on official statistics being offered and methods adopted in their delivery by global and regional institutions reveals a very wide range and diverse approach. Quite understandably, the varied nature of courses offered and the differentiated approaches adopted by these institutions are driven by on their individual mandates, clientele, and area of expertise. For example, UNSD, UN agencies and other global institutions such as the World Bank and IMF deliver regional training workshops and seminars which depending on the resources available, are extended to sub-regional and national levels. Most of the training workshops and seminars are aimed at dissemination of the new or updated normative work by these institutions from time to time. Some of these institutions also offer standard training courses through their on-line modules. There are regional or sub-regional institutions such as the Eurostat, Statistical Institute of Asia and Pacific, Arab Institute of Training and Research in Statistics and others that offer courses on official statistics and statistical methods including use of statistical tools and analysis. Furthermore, there are academic institutions such as Cairo Demographic Centre, Makerere University that from time to time offer specialized courses on applied statistics in addition to their routine academic courses. Finally, there are a few countries that have well established training institutions/infrastructure on official statistics which in addition to catering to the requirement of the statistical staff in their own countries deliver pre-defined as well as ad hoc courses that are open to all –for example US Bureau of Census.

A Task team established by CCSA in 2006 prepared an inventory which included details such as type of training, duration, sponsorships etc. The team also reviewed the functions and effectiveness of the regional training centres based on three criteria namely permanent infrastructure, regional orientation and professional training in official statistics. The review revealed that the number of regional training centres in official statistics was very small and almost non-existent in Latin America. Africa has the largest number of such training centres and Asia was generally covered by SIAP. The report concluded that the current supply cannot meet the demands. The training focus was found to be more on statistical methods such as survey methodology, as well as those ‘established’ statistical areas, where global statistical standards have been agreed upon (national accounts, census). The inventory prepared by the task team is given in Annex.

There has been a long-felt need to optimize and harmonize the training offerings of various institutions to maximize their outreach and ensure that these are delivered in a more efficient and cost-effective manner. Sharing of training calendars, course materials and best practices in training by such institutions across regions can be considered as being among the better approaches to maximize outreach and avoid duplication of efforts. This can also go a long way in achieving standardization in terms of content and delivery across regions and countries. Harmonization of the statistical courses/curricula and their compliance with internationally adopted statistical standards cannot be lost sight of as these are very crucial for enhancing the production of quality and comparable statistics in the countries. It however, cannot be overstated that the supply of training must be commensurate with the priorities and needs of the countries which are the ultimate beneficiaries. The recent on-line survey has shown that the NSOs in the recent past have been on a continuous basis nominating their staff in these training courses offered by the international and regional training centres and find them to be extremely useful.

Keeping the above in view, a strong collaborative effort will have to be established among all relevant and key institutions that deliver training on official and related statistics at global and regional levels. It is therefore, proposed to forge and foster a partnership of these institutions through the establishment of a global network of institutions that offer statistical institutions to be known as GIST (Global Network of Institutions for Statistical Training) that will help in implementing the stated ideas in a more systematic and sustainable manner. Such a network would perfectly align to one of three guiding principles of the Cape Town Global Action Plan for Sustainable Development Data which recognizes the crucial role of cooperation among countries, regional organizations, and other international organizations and stakeholders in supporting countries' plans and efforts in capacity building and to the statistical capacity building 4.0 initiated by Paris 21 in response to the Global Action Plan. This note provides a conceptual framework for the proposed network including its goals and objectives, strategic action areas, membership and operational modalities and a roadmap for its establishment and identification of some initial activities.

Goal

The Goal of the GIST is to build sustainable capacities in countries through efficient, effective, and harmonized delivery of training at global and regional levels that will enable production and use of quality data and statistics including monitoring and implementation of SDGs.

Objective

The overall objective of the GIST is to facilitate collaboration among members of the network in the delivery of trainings on statistics in a more harmonized and standardized manner as well as to improve effectiveness of these trainings through maximizing their outreach.

Strategic Actions areas

The GIST once established will work in the following action areas

1. Conduct a preliminary assessment to redefine country needs in wake of the new demands arising out of the 2030 Agenda and SDGs;
2. Assess training gaps vis-à-vis the training needs of countries to systematically address them;
3. Systematically share training courses and calendars, training materials through a web-based platform;
4. Harmonize statistical training courses/curricula in line with international guidelines and standards on concepts and methods;

5. Build capacities of existing statistical training centres to deliver training on official statistics based on harmonized and standardized training curricula;
6. Promote training that enables data producers to improve data literacy and usage within stakeholder communities;
7. Develop and nurture pools of trainers in all regions on different statistical areas and maintain a roster of resource persons that can be used by countries as and when required;
8. Foster a global discussion on certification; and
9. Leverage capacity for increased use of distance learning.

The level of ambition as articulated in the stated goal, objective and action areas has been purposely set at much higher level keeping in view the enormous demands of data and statistics arising out of the 2030 Agenda and the SDGs and the need for the statistical community to address this in an urgent and coherent manner. A collaborative and synergized approach to statistical capacity building through GIST will help 'achieve more with less'. This mantra that can be fulfilled only when all partners working in this area leverage each other's strengths and resources fully. However, it may not be practical or desirable for the GIST to embark on the above-mentioned action areas simultaneously and instead implement them through a more phase-based approach. The Group should identify a few quick wins and then gradually move to other action areas depending on availability of resources.

Once GIST achieves a certain threshold of success, efforts will have to be made to find funding resources for its maintenance and taking it to its next level of maturity.

Membership

The following kinds of institutions are proposed to be included in the GIST

1. UN and other international organizations that conduct workshops, trainings and seminars based on the normative and methodological work in their respective mandated areas and those that develop training materials;
2. Regional organizations (including regional commissions) that offer regular as well as demand based training in various areas of official statistics;
3. Selected statistical training centres, including academic institutions which in addition to the courses on statistical applications and tools and data analysis offer courses on official statistics at regional and sub-regional levels. The selection of such institutions should be based on criteria such as their mandate, courses offered in the past etc.;
4. Selected national training centres (mostly attached to the National Statistical Offices) that have the mandate and experience or have future plans to offer courses on official statistics to countries beyond their boundaries; and
5. Institutions that are the chairs and secretariat of the existing regional network of training such as 'The Network for the Coordination of Statistical Training in Asia and the Pacific' and 'Africa Group on Statistical Training and Capacity Building'. This will help in expanding the outreach through a more harmonized and standardized training approach and help build in-country training capacities.

Governance and Management

GIST will be initiated with a few founding members selected in consultation with key international and regional statistical institutions and later expanded to include other members based on some pre-determined criteria. The founder-members' group (FG) will be responsible for managing the operations of the GIST on a regular basis.

One of the member institutions of the GIST from among the FG will be nominated as the Chair through consensus. The Chair will be rotated every two years. UNSD will serve as the Secretariat.

The GIST will report progress of its activities to the UN Statistical Commission (UNSC) every year.

Advisory Group (AG) with representatives of selected NSOs and other data stakeholders to be selected on rotational basis – to provide guidance to the GIST on various matters including the implementation of programme activities.

The AG and FG will mainly work through exchange of e-mails and hold their meetings at an agreed interval through teleconferencing or other electronic means. Physical meetings can be held on the sidelines of major meetings.

The FG will meet once a year in the margins of the UN Statistical Commission.

Roadmap for GIST

Actions for the establishment of GIST (by mid-December 2017)

- Seminar on statistical training held in Beijing from 13 to 15 September 2017. Representatives of selected NSOs, international and regional training institutions participated in the seminar, which among things also provided the basis for the establishment of GIST
- Final draft of the concept-note on GIST to be prepared based on inputs from the seminar in Beijing by first week of -October2017
- Founding members to be finalized in further consultations with key regional and international statistical institutions and the custodian agencies of SDG global indicators – second week of October 2017
- Institutions identified for possible founding membership of GIST to be requested to provide their assent to join the group by first week of -November 2017
- Final draft of ToRs and governance mechanism of the GIST to be finalized by first week of November and circulated to the founding members
- Web-portal for GIST designed by end-November
- Submission of final proposal included in the report to UNSC 2018 finalized by mid-December 2017 for review and endorsement by UNSC 2018
- Establishment of Advisory Group (AG)– UNSC 2018
- First physical meeting of the founding members of the GIST on the side of UNSC (March 2018)
- New members to be considered for inclusion after UNSC 2018 in consultation with AG.

Development and implementation of a two-year work programme

A two-year work plan to be developed by the founding member institutions assisted by the secretariat to be included as a preliminary draft in the UNSC report and further reviewed by the AG after UNSC – finalized by April 2018.

The possible activities that the group may implement include:

- a) Sharing of training curricula, calendars and contents and links of training offered by member institutions
- b) In-depth assessment of training needs in countries, including in relation to the production, dissemination and use of data for SDGs
- c) Detailed mapping of courses offered by the various global and regional institutions
- d) Mapping of training gaps keeping in view the typology and core skills sets required
- e) Establishing work streams for development of harmonized and standard training curricula on a few selected topics (both traditional and new), which are modular in nature and well aligned to the international concepts and guidelines
- f) Finalization of globally recommended curricula on at least five topics (by end of second year)

Inventory of Regional Statistical Training Centers

<i>Type of training</i>	<i>Duration</i>	<i>Level of Trainees</i>	<i>Regional coverage</i>	<i>Subject matter coverage</i>	<i>Source of sponsorship/ownership</i>	<i>Web-site</i>	<i>Contact information</i>
1. International Monetary Fund (IMF)							
Group training courses	Partly based on member countries requests Normally two weeks courses in the Regional Training Centers (RTCs) and Regional Technical Assistance Centers (RTACS), and four- to six-week courses in Washington, D.C.	Government officials	Six regional technical assistance centers in the Pacific, the Caribbean, Africa, and the Middle East and Seven Regional Training centers (RTCs) in Brazil, China, India, Tunisia, Austria, UEA, and Singapore (BTC, CTP, ITP, JAI, JVI, RTP, and STI, respectively)	Monetary and financial statistics Balance of payments and international trade statistics, including international investment positions and remittances Reserve and foreign currency liquidity/external debt statistics Governance finance statistics National accounts and price statistics	Partly by bilateral and multilateral donors	www.imf.org/external/np/ins/english	Chief, Administrative Division IMF Institute International Monetary Fund Washington, D.C. 20431, U.S.A. Tel. 202 - 623-6660; Fax. 202-623-6490; 202-623-4661 E-mail: insinfo@imf.org
2. EUROSTAT							
Courses, workshops and seminars	Short-term	Officials and employees of National Statistical Institutes or corresponding Competent National Authorities (CAN)	EU Member States, EFTA countries, Eurostat and candidate countries	Disseminating statistics: Internet and Publication National Accounts Statistical Disclosure Control - Tabular Data Protection Survey Methodology and Sampling Techniques The European Statistical System (ESS) - Introductory course Seasonal Adjustment - Introductory course Nomenclatures, Classifications and their Harmonization Quality Measurement in Statistical Agencies - Advance course New Advance Technologies for Data Collection and Transmission Statistical Metadata - Introductory course Survey Non-response Government Finance Statistics (GFS) Data analysis and Data Modeling Use of Administrative Registers in the Production of Statistics Structural Business Statistics	European Commission (Eurostat) European Free Trade Association (EFTA)	http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home	Eurostat Joseph Bech building 5 Rue Alphonse Weicker L-2721 Luxembourg E-mail: estat-insite@ec.europa.eu

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3. InWent Centre for Economic, Environmental and Social Statistics							
Courses, seminars, workshops, conferences, e-learning	Short-term	Senior level statisticians and statistics users	Global	Statistics for measuring Governance National Accounts Statistical systems and public relations Statistics for MDG indicators Statistical indicators for environmental policy Health statistics (emphasis on HIV/AIDS) Gender statistics Statistics for Monitoring and Evaluation Statistics for climate change policies	German Government	www.inwent.org/statistics	Friedrich-Ebert-Allee 40 53113 Bonn, Germany Tel. +49228 4460-0; Fax. +49 228 4460-1354 E-mail: statistics@inwent.org
4. United Nations Statistical Institute for Asia and the Pacific (UNSIAP)							
Group training courses Area focused training courses	Two-month, six month and one, two and eight weeks	Junior, middle and senior level statisticians and computer specialists	Asia and the Pacific, Africa, America, Europe, Central Asia and Caucasus	Statistical methods and survey methodology National accounts, economic statistics and 1993 SNA framework ICT for Statistical Information System Applicable ICT for statistical work Japanese experience of using ICT tools and resources MDG indicators Poverty measurement Gender statistics Fundamental principles of official statistics Statistical software Specific subjects related to official statistics upon request by countries	Government of Japan National statistical offices UN agencies and international organizations	www.unsiap.or.jp	JETRO-IDE Building 2-2 Wakaba 3-chome Mihama-ku, Chiba-shi, Chiba 261-8787 Japan Tel. (81-43) 299-9782; Fax. (81-43) 299-9780/299-2521 E-mail: staff@unsiap.or.jp

Type of training	Duration	Level of Trainees	Regional coverage	Subject matter coverage	Source of sponsorship/ownership	Web-site	Contact information
5. Secretariat of the Pacific Community							
Seminars, workshops (in-country and regional, sub-regional), and short-term professional attachments with SPC in Noumea	Short-term	Statisticians Planners Demographers Government officials in key line ministries involved in statistical activities	Pacific island countries and territories	Introduction to statistics (with SIAP) Demography Population and Development Statistics for MDG indicators Population projections Census and survey planning/project management Statistical Procedures and Operations Data analysis and Report Writing Data dissemination and information technology (new, under development) Web publishing Population Geographic information system	Inter-governmental organization	www.spc.int/sdp/	BP D5 Noumea Cedex New Caledonia 98848 Te. 687-262000; Fax. 687-263818 E-mail: GeraldH@spc.int
6. United States Department of Labor Bureau of Labor Statistics							
Regularly scheduled seminars; Customized programs held in Washington, D.C., and overseas; Consultations	Based on requests; however scheduled seminars are one to four weeks in duration	Statisticians Economists Analysts Data users	Global	Economic indicators Labour market information system Measuring productivity Survey methods Wages, earnings, and benefits Constructing price indexes Employment and unemployment statistics Projecting tomorrow's workforce needs Analyzing labour statistics Data dissemination Occupation safety and health statistics Managing statistical programs Technology and survey processing Advanced topics on request related to labour statistics and prices	Fees paid by participants' sponsoring organization (i.e. own government, international donor organization, USAID, etc.)	www.bls.gov/itc/	Brain E. Graf, Acting Chief Division of International Technical Cooperation U.S Bureau of Labour Statistics Room 2190 2 Massachusetts Avenue, NE Washington, DC 20212-0001 tel.(202) 691-5666; fax. (202) 691-7900 E-mail: itcinfo@bls.gov

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7. United States Bureau of Censuses							
Employee Training	Academic degrees, certificates	Semester and short courses	Professionals; Current employees	Examples: federal statistical system, survey methodology, sampling, statistical methods, economic measurement, questionnaire design, regression, mathematical statistics	Census Bureau	http://www.ipsm.umd.edu/ipsm/	Joint Program in Survey Methodology 1218 LeFrak Hall College Park, MD 20742
Employee Training	Courses	Short-term	Professionals; Current employees	Examples: analytic projects, processing, accounting practices, overview of the Economic Directorate respondent contact, survey design principles, national economic accounting	Census Bureau	Census Bureau intranet site	
Training for the Public	Courses	Short-term	General Open	Varied, e.g., Understanding Federal Statistics SF1 DVD Tutorial Presentation Library Topical Seminars & Workshops Training Policies and General Information	Census Bureau	www.census.gov/mso/www/ufs/info2.html	
Training for the Public	Presentations, workshops	Short-term	General Open	Varied-focused on data user needs	Census Bureau Regional Offices	http://www.census.gov/field/www/	
Training for the Public	ACS Data User Training Guide	Short-term	General	ACS data products and how to access those products	Census Bureau	http://www.census.gov/acs/www/Products/users_guide/acs_data_user_training.htm	
8. United States Joint Programme in Survey Methodology							
Courses	Short-term	Professionals		Fundamentals of survey methodology Introduction to probability theory Introduction to statistics Sampling theory Regression and variable analysis Statistical methods Data collection methods in survey research Applied sampling Questionnaire design Social and cognitive foundations of survey measurement Economic measurement Introduction to the Federal Statistical System and to the Survey Research profession		www.ipsm.umd.edu	

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				Categorical data analysis Non-response in surveys Envisioning the survey interview of the future			
9. Institute of Statistics and Applied Economics (ISAE) (Makerere University)							
Short-term and long-term courses		High level professionals Statisticians Planners Applied economists	African countries	Statistical Methods : Mathematical methods of statistics; Probability theory; Statistical inference; Econometrics and time series; Multivariate analysis; Sampling theory and methods; Quality control methods in industry Planning and Applied Statistics : Micro economics; Macroeconomics; National Accounts; Agricultural statistics; Human resource management including manpower planning; Environment statistics/economics; Biostatistics and epidemiology; Social statistics; Statistical computing; Building statistics and construction statistics; Operations research; Economic statistics Population Studies: Demographic Statistics; Migration; Fertility; Mortality/HIV/AIDS epidemic and associated research; Population dynamics; Population and development, reproductive health	Fee paid by the participants	www.statistics.mak.ac.ug	Mwanga Alifas Yeko Head, Department & Lecturer Price Statistics and National Accounts Mobile: 256-77-2 669 854; e-mail: ymwanga@isae.mak.ac.ug Makerere University PO Box 7062, Kampala, Uganda Tel. 256 (41) 541558; 256 (41) 540409 Fax. 256 (41) 530756 E-mail: info@isae.mak.ac.ug
10. The Eastern Africa Statistical Training Center							
Courses	Ten-months	Sub-professional and practicing statisticians	Anglophone, Eastern and Southern Africa	Statistical theory and methods Statistical computing Application of statistics	Fee paid by participants	www.tanzania.go.tz/government/eastc.html	The Director EASTC P.O. Box 351053, Changanyikeni Dar es Salaam, Tanzania Tel. +255 22 2410309; Fax. +255 22 2410053

Type of training	Duration	Level of Trainees	Regional coverage	Subject matter coverage	Source of sponsorship/ownership	Web-site	Contact information
11. Institut de Formation et de Demographiques							
Courses	Two-year		Francophone African countries	Population and social statistics	Fee paid by participants	www.iford-cm.org	IFORD, BP 1556 Yaounde Cameroun Tel. (237) 2232947/2222471; Fax. (237) 2226793 E-mail: iford@iford-cm.org
12. Ecole Nationale Supérieure de Statistique et d' Economie (ENSEA)							
Refresher and advance courses	Long-term and short-term	Professionals of public and private administration, Statisticians	Francophone African countries	Statistical Analysis Applied for Development Use of Statistics Computers	European Union Bilateral donors	http://www.ensea.ci/	Dr.N'Guessan Koffi Director 08 BP 3 Abidjan 08 Cote d' Ivoire Tel. 225 22 44 08 40: Fax. 225 22 44 39 88 E-mail: ensea@ensea.ed.ci ; nquessan@ensea.ed.ci
13. Ecole Nationale d'Economie Appliquee (ENEA)							
Refresher and advance courses	Long-term and short-term	Professionals of public and private administration, Statisticians	Francophone African countries	Statistical Analysis Applied for Development Use of Statistics Computers	Senegal Ministry of Higher Education Bilateral donors	http://www.geocities.com/eneadkr/ENEA.htm	ENEA Km 6, Avenue Cheikh Anta Diop B.P. 5084 Dakar-Fann, Senegal Tel. 221 825 31 76; 221 824 79 28; 221825 25 48 E-mail: dsdenea@orange.sn

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14. Institut Sous-Regional de Statistique et d'Economie Appliquee (ISSEA)							
Refresher and advance courses	Long-term and short-term	Higher level Statisticians Engineers of Applied Statistics Economists	Francophone African countries	Statistical Analysis Applied for Development Use of Statistics Computers	CEMAC bilateral and Multilateral donors		Ileoncio Feliciano Esono Nze Oyana, Director Robert Ngonthe ISSEA BP 294 Yaounde, Cameroon Tel. 237 222 01 34; Fax. 237 222 95 21 E-mail: isseamac@yahoo.fr ; ngonthe@yahoo.fr
15. Institut National de Statistique et d'Economie Appliquee							
Courses	Short-term	Public and private sector employees	Francophone African countries	Demography Social Sciences Applied Economics Environment	Government organization	http://www.toutrabat.com/insea-Institut-National-de-Statistique-et-d-Economie-Appliquee.php	B.P. 62 Madinat Al Irfane. Rabat-Institutes 10100 - Rabat, Morocco Tel. (212) (0) 37 77 48 59/60 E-mail: salim@cmr.gov.ma
16. Arab Institute for Training and Research in Statistics (AITRS)							
Advance Course (high Diploma) Courses, Workshop - Seminars	One year 1-2 weeks, 1-3 days	Statisticians Demographers	All Arab countries	Official statistics (Economic Statistics, Social Statistics, and General Issues) Data collection and Survey methodology Applied Statistical analysis Publication and Dissemination of Statistics Management in Statistical Institute Statistical Information Systems	Governments of Arab Countries (Regional Organization)	www.aitrs.org	Amman-Jordan PO Box 851104 Amman 11185 Tel. 00962 6 5823405: Fax. 00962 6 5820327 E-mail: diwan@aitrs.org

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17. Statistical, Economic and Social research and Training Centre for Islamic Countries (SESRIC)							
Courses, seminars, workshops	Short-term	Government officials	Islamic countries	General statistics National accounts Balance of payments statistics International trade statistics Monetary and financial statistics Government finance statistics Real sector statistics Price statistics Agriculture statistics Education and training statistics Industry and services statistics Labour statistics Environmental statistics Health statistics Science, technology and patent statistics Population and demography Web-based data compilation techniques Statistical data analysis Quality in statistics Statistical organization Census/surveys and sampling techniques	SESRIC	www.sesric.org	Mehmet Fatih Serenli Attar Sokak, No.4, G.O.P., 06700 Ankara, Turkey Tel. (90-312) 468 61 72-76: Fax. (90-312) 467 57 26 E-mail: training@sesric.org
18. International Labour Organization							
a) ILO Headquarters and Field Offices							
Courses	Short-term	Statisticians	Global	Employment statistics and labour force surveys CPI Wages statistics and establishment surveys Poverty statistics Labour market information system and analysis Household income and expenditure statistics and surveys Social security statistics Child labour statistics and surveys	ILO in conjunction with donors and countries	www.ilo.org	4 route des Morillons CH-1211 Geneve 22 Switzerland Tel.: +41(0) 22 7996111 Fax. +41(0) 22 798 86 85 E-mail: ilo@ilo.org

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b) ILO International Training Centre							
Courses, customized learning events, training projects	Short-term	Statisticians	Africa, the Americas, Arab States, Asia and the Pacific, and Europe	Labour statistics Labour market analysis and information systems Observatoire de l'emploi et de formation	ILO	http://www.itcilo.org/en/about-the-centre	International Training Centre of the ILO Viale Maestri del Lavoro, 10 10127 Turin - Italy
c) African Regional Labour Administration Centre							
Courses	Short-term	Statisticians	Anglophone African countries	Labour statistics from administrative systems Labour market analysis	ILO	http://www.arlac.org.zw/	Harare, Zimbabwe E-mail: arlac@arlac.org.zw
d) Centre Regional Africain d'Administration du Travail							
Courses	Short-term	Statisticians	Francophone African countries	Labour statistics from administrative systems Labour market analysis	ILO	www.ilo.org/public/french/cradat/tout-savoir.htm	Centre Regional African d'Administration du Travail B.P. 1055 Yaounde, Cameroun
19. Cairo Demographic Center							
Courses	9-72 hours	Professionals		Demographic surveys Projections Statistical analysis Reproductive health Environment and sustainable development issues Population/crime and security Personal computer		www.cdc-egypt.org	

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20. Kazakhstan Statistical Training and Research Center							
Courses, seminars, workshops, group training	1-3 days	Professionals	Astana, Almaty, regional offices	Applied statistics Survey design Interviewing techniques Dissemination and marketing of official statistics Register-based statistics and use of administrative data IT and metadata Data quality SNA	Agency on Statistics of the Republic of Kazakhstan Ministry of International Affairs	www.stat.kz	Sarsembaeva Saule; Aktoty Aitzhanova Kazakhstan Statistical Training and Research Center Astana, 010000, Orinbor Street - 8 Dom Ministerstv, 4th entry Tel./Fax. +7172 749568; 007 71 72 74 95 03: 007 71 72 74 94 94 E-mail: ssarsembaeva@statebase.kz ; aaitzhanova@stat.kz
21. Centro Andino de Altos Estudios Candane							
Courses	120 hours	Professionals	Andean countries	Demografia (Sociologia + Estadística) Muestreo (Estatística) Cuentas nacionales (Econometría) Manejo de grandes Bases de Datos (Informática) Organización del Territorio Estadísticas de Género	Andean Community, United Nations, CEPAL, European Union, Banco Mundial, Banco Interamericano de Desarrollo	www.dane.gov.co/can/contenido.htm	Centro Andino de Altos Estudios Transversal 45 No. 26-70. Interior 1. CAN Edificio DANE Bogota, Colombia Tel. 597 83 00; Fax. 573 80 20