



**ECONOMIC AND SOCIAL
COUNCIL**

Distr.
LIMITED
E/ESCWA/SD/2010/WG.1/2
31 March 2010
ORIGINAL: ENGLISH

Economic and Social Commission for Western Asia (ESCWA)

United Nations Regional Meeting on Environment Statistics
and Accounts and Evaluation of the ESIAP Project
Beirut, 7-9 April 2010

DEVELOPMENT ACCOUNT PROGRESS REPORT

**Strengthening National Capacities in Environment Statistics, Indicators and Accounts
in support of progress toward achieving the internationally agreed development goals
in the ESCWA and ECLAC Regions**

REPORTING PERIOD COVERED: January 2009- December 2009

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ANNUAL DEVELOPMENT ACCOUNT PROGRESS REPORT

COVER PAGE

PROJECT TITLE: **Strengthening National Capacities in Environment Statistics, Indicators and Accounts *in support of progress toward achieving the internationally agreed development goals in the ESCWA and ECLAC Regions (0607Y)***

PROJECT DURATION: **September 2007- December 2009**

REPORTING PERIOD COVERED: **January 2009- December 2009**

FINANCIAL IMPLEMENTATION RATE: **65.4% (as of 10 November 2009)**

SUMMARY OF IMPACT:

The overall objective of the project is to enhance the national capacities of ESCWA Member Countries in environment statistics, indicator and accounts in order to integrate environmental concerns into economic development, by taking advantage of an integrated environmental statistical system approach (IESS) in support of progress towards achieving national and international agreed development goals (IADGs).

During the period extending from January to December 2009, ESCWA, UNSD, MEDSTAT, ECLAC strengthened further their partnerships to implement the planned activities and prepare for training material jointly, which is now available in Spanish and in Arabic. Partners conducted two trainings at ECLAC and one expert group meeting in ESCWA, and prepared for the World Water Forum 2009. All the material is posted on the website (Attachment 1).

- 1.-The joint work of UNSD-ESCWA-ECLAC-MEDSTAT was conveyed to the international World Water Forum, 20 - 21 March 2009, Istanbul, Turkey March 2009. UNSD organized Topic 6.4 Data for All, for sharing results and lessons learned from water and environmental accounting. Delegates from Mexico, Lebanon and Jordan presented their experience in developing pilot water accounts.
- 2.-Technical Workshop on the Preparation of Water Accounts in Latin America, UNSD, ECLAC, ESCWA, 1-4 June 2009, Santiago, Chile
- 3.-Regional Training for Building Capacity on Environmental Indicators for Latin America- Taller Regional de Construcción de Capacidades en Indicadores Ambientales, 7-11, September 2009
- 4.-Expert Group Meeting On Environmental Accounting for the ESCWA Region in collaboration with UNSD. The from academia, government officials from ministries of environment and statistical offices and from research institutes, and from Europe discussed the publication”

The trainings resulted in improving the capacity of member states in producing pilot water accounts and for some countries more advanced accounts such as in Mexico. The EGM resulted in providing recommendations and concrete steps to move forward and implement the framework for Environmental Economic Accounting with priorities and specificities for the ESCAW region. The results of the meeting will be presented at the regional meeting that is planned to be co-organized with ECLAC and the League of Arab States in first quarter 2010. News on the aforementioned activities were disseminated via the Internet and in local news (Attachment 2).

Technical assistance missions were proven to be very important for the countries to develop environment statistics and accounts and to fill data gaps and design a work plan for implementation. ESCWA conducted a mission to UAE to deliver a training workshop on environment statistics during 8-12 March 2009 in collaboration with the Ministry of Economy of UAE and with the participation of 20 national stakeholders from others ministries, private sector and NGOs. Two missions to Bahrain and Jordan are planned before the end of the year to assist countries on complementing monetary accounts to physical water accounts.

Given the priority of Climate Change and the relation between energy and environment statistics in this regards, ESCWA offered a mission to Sudan in September 2009 to assist ministry of petroleum and statistical office to compile energy data and relate energy and environment. ESCWA, in collaboration with UNSD also provided fellowships to three countries from Statistical Offices and Ministries of Energy (Lebanon, Sudan, Yemen) to receive training in Turkey on compiling monthly data on oil statistics where information on oil production and consumption is required to estimate CO2 emissions.

ECLAC and ESCWA participated at the UN Committee of Environmental Economic Accounting to share the regional experience and to follow at the international level what are the UN priorities and how the UNCEAA will be working to complete the updates of the System of Environmental Economic Accounting to become an International standard in 2012.

ESCWA also developed a database with modules on environment, water, and energy statistics, see (Attachment 3)

ESCWA published several publications and reports including “Framework for Env. Economic Accounting for ESCWA” and “Environmental Expenditures in Jordan (Ar)”.

During 2009, **the inter-regional networking was enhanced**, through active participation ESCWA in the preparation of training material of the water accounts workshop in Santiago in June 2009 and the participation of delegate from ESCWA country to ECLAC’s training on to share experience with Latin American representatives in the meeting, and with officials at the National Statistics office in Chile to discuss the programme of environment statistics and find ways of collaboration. Chilean representative participate at the EGM

ESCWA continued to promote the project by managing the network and the docubase on the Environment Statistics, Indicators and Accounts Project (ESIAP) website which can be accessed through: <http://www.escwa.un.org/esiap/>. New network members are consulting the docubase and are exchanging ideas and discussing issues in the field of environment statistics and accounts.

1. REVIEW OF EXPECTED ACCOMPLISHMENTS AND ACTIVITIES IN LINE WITH THE LOG FRAME AS PER PROJECT DOCUMENT

EA1	Strengthened skills of National Officials to produce relevant, quality, comparable and timely environment statistics, indicators, and accounts using the systemic approach, Integrated Environmental Statistical Systems (IESS) that incorporates statistics, indicators and environmental accounting, for monitoring progress towards national and internationally agreed development goals.
<i>I.1.1: Quantitative Performance (Indicator(s) related to EA1)</i>	
IA1. Increased number of national officials, practitioners, institutions, trained in producing environment statistics, indicators, and accounts through the workshops, technical assistance missions and study tours developed by the project.	<p>ESCWA: In 2009, 116 officials: 50 continued enhancing their skills in environment statistics and accounts from follow-up on training workshops and through the network, 40 from missions 3 from study visits in addition to 3 new officials who went on from study visits (2 to the World Water Forum and one to Santiago) and 30 from technical assistance missions.</p> <p>ECLAC: During 2009: The Technical Workshop on the Preparation of Water Accounts in Latin America, co-funded and co-organized by ECLAC and UNSD, was held June 1-4, 2009 in Santiago, Chile. A total of 31 participants attended the workshop, consisting of 19 national officials representing 7 countries from the Latin American region and 10 representatives from international organizations. In addition one official from Egypt participated along with a representative from the Economic and Social Commission for Western Asia (ESCWA) in order to exchange experiences on water accounting between Latin America and the Middle East.</p> <p>The regional training workshop on the "Construction of Environmental Indicators (ILAC/MDG7) in Latin American and Caribbean countries" took place September 7-11, 2009 in Santiago, Chile. The regional UNEP office collaborated in the organization of the workshop and funded the participation of 4 officials from Environmental Ministries. In total 26 participants attended consisting of 25 national officials representing 14 countries and one representative of a regional environmental agency. In preparation for the course participants were instructed to get in touch with their counterparts in the NSO or Ministry and to coordinate the collection of basic official national data that allowed them to use official national statistics calculate the set of 12 indicators.</p>
Qualitative Results/Impact achieved for EA1:	<p>Apart from building capacities and increasing knowledge on environmental statistics, indicators and accounts, the project helped raise awareness and increase the profile of environmental statistics within national statistics organizations at varying degrees.</p> <p>The most profound impact can be seen in the ESCWA region in Jordan, Egypt, Oman and in the ECLAC region several Latin American countries were benefited through the workshops and by ECLAC's participation in regional expert group meetings, and via technical assistance and study tours, for which the most benefited countries were the Dominican Republic, Venezuela and Paraguay. Moreover, the project has contributed to strengthening the national coordination mechanisms in these countries responsible for producing environmental statistics. Cuba has expressed its enthusiasm and commitment to continue supporting capacity building activities by looking to secure funds to co-organize with ECLAC a nationwide workshop to build capacities in environmental</p>

	statistics and indicators.
A1.2 (Main activities completed in relation to EA1)	<p><i>Deliver 4 technical assistance missions in ESCWA at the national level according to national needs and capacities, incorporating horizontal technical cooperation activities amongst ESCWA-ECLAC countries (South-South cooperation)</i></p> <p>ESCWA: In 2009, ESCWA conducted a mission to UAE to deliver a training workshop on environment statistics during 8-12 March 2009 in collaboration with the Ministry of Economy of UAE and with the participation of many national stakeholders from others ministries, private sector and NGOs. Two missions to Bahrain, and Jordan are planned before the end of the year to assist countries on complementing monetary accounts to physical water accounts.</p> <p>Given the priority of Climate Change and the relation between energy and environment statistics in this regards, ESCWA offered a mission to Sudan in September 2009 to assist ministry of petroleum and statistical office to compile energy data and relate energy and environment. ESCWA, in collaboration with UNSD also provided fellowships to three countries from Statistical Offices and Ministries of Energy (Lebanon, Sudan, and Yemen) to receive training in Turkey on compiling monthly data on oil statistics where information on oil production and consumption is required to estimate CO2 emissions.</p>
A1.3	<p><i>Organize 2 subregional workshops on environmental statistics, indicators and accounts for ESCWA to strengthen capacities and subregional networking</i></p> <p>Completed</p> <p>1. ESCWA MEDSTAT II sub-regional training session on the System of Environmental-Economic Accounting for Water (SEEAW), Amman, Jordan, 10-13 March 2008. http://www.escwa.un.org/information/meetingdetails.asp?referenceNum=683E</p> <p>2. Training Session on the System of Environmental-Economic Accounting for Water (SEEAW) for the Arab Gulf Countries, August 25-28, 2008, Beirut, Lebanon http://www.escwa.un.org/information/meetingdetails.asp?referenceNum=819E</p>
A1.4	<p><i>Deliver 6 technical assistance missions in ECLAC countries, according needs and capacities in environmental statistics and indicators. 4 TA will be directly performed by ECLAC staff, complemented by the realization of 2 horizontal cooperation technical assistance amongst ECLAC countries.</i></p> <p>A horizontal technical assistance mission to Caracas, Venezuela was carried out June 17-19, 2009. Neyra Herrera, expert on environmental indicators from the Panamanian Ministry of Environment visited the Environmental Statistics unit of the Venezuelan National Statistical Office to support the development of a set of national environmental indicators. This mission provided follow-up to the work initiated in 2008 during the national course on building environmental indicators that was carried out by ECLAC in the context of this project. One of the outputs of the horizontal cooperation was the revision of the methodological sheets of the Venezuelan national indicators on air, water, transport and environmental management.</p> <p>A set of two technical cooperation missions were carried out in 2009 in the Dominican Republic by ECLAC. Currently, the DR's National Statistical Office (ONE) in close</p>

	<p>inter-agency collaboration with the environmental ministries and other institutions, is leading the development of a national set of development indicators, for which they requested technical assistance to develop a pilot module on environmental indicators. The first two missions (September 29- October 2, and November 24 to 27, 2009) consisted in technically assisting in the selection of the indicators list, according to statistical and pertinence criteria, as well as revising the methodological sheets being developed by inter-institutional teams.</p> <p>During the project, 5 technical assistance missions were carried out by ECLAC (Cuba, Venezuela and the Dominican Republic) that were complemented with 2 horizontal cooperation missions (Dominican Republic and Venezuela). A total of 5 technical assistance missions were carried out instead of 6 as originally planned. It was decided that in lieu of an additional 2 missions it would be advantageous to organize with the collaboration of UNSD a capacity building workshop on water accounting that could benefit more than 1 or 2 countries (see information under activity A3. 1).</p>
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EA2	Increased national and regional production, dissemination and use of environment statistics, indicators and accounting using advanced information and communication technology and improved metadata production, for knowledge management by policy makers, the public and the media towards achieving sustainable development
I.2.1: <i>Quantitative Performance (Indicator(s) related to EA2)</i>	
A.2.1	<p><u>ESCWA:</u></p> <p>ESCWA convened an expert group meeting for ESCWA in collaboration with UNSD, ECLAC, and other concerned agencies on environment and water statistics and accounts to set guidelines and provide recommendations on methodological documents on integrated environmental statistical systems (basic statistics, indicators and integrated accounting), taking into account the manuals produced by UNSD in particular documents on water accounting (Supply/use, hybrid accounts, environmental expenditures). The meeting was at the United Nations House in Beirut, on 14 to 16 October 2009. The Meeting aimed at discussing the publication on “Framework for environmental economic accounting in the ESCWA region”, that was prepared by ESCWA in 2009. The meeting was attended by 27 participants representing the ESCWA member countries, regional and international organizations. Discussions focused on the framework for Integrated Environmental Economic Accounting (SEEA), SEEA for water, sub accounts of priority, environmental protection expenditure, cost of environmental degradation and regional and country experience in these fields. Discussions were concluded with a set of recommendations addressed to each one of the ESCWA member countries, and to ESCWA, UNSD, UNEP and LAS with the aim of implementing the System for Integrated Environmental Economic Accounting in the ESCWA countries.</p>
IA2. Increased number of countries and institutions disseminating environment	1. The project supported the publication and dissemination of the following methodological guide available only in Spanish: “Guía metodológica para desarrollar indicadores ambientales y de desarrollo sostenible en países de América Latina y el Caribe”, serie Manuales No61 (LC/L.3021-P). Santiago de Chile, Comisión Económica para América Latina y el Caribe (CEPAL),

statistics, indicators and accounts, using common statistical definitions, methodologies and metadata format.	<p>junio 2009. Publicación de las Naciones Unidas, No de venta S.09.II.G.45.</p> <p>The methodology for the elaboration of environmental indicators presented in the manual has been developed and tested by ECLAC through the realization of 18 capacity building workshops carried out over the past 8 years.</p> <p>2. In ECLAC the project has contributed to strengthening the regional collection of environmental statistics and their publication in the Statistical Yearbook and online data portal CEPALSTAT (www.eclac.org/estadisticas). In 2009 the database was visited regularly by external users and approximately 9400 downloads were registered. In addition the regional environmental statistics collected by ECLAC are being used for the elaboration of the United Nations interagency regional report on MDG 7 that will be published in early 2010.</p> <p>3. Through the annual environmental statistics collection in which 20 countries participate, the training workshops, technical assistance, publication of the methodological guide and regional collaboration the production of metadata has been significantly improved at the regional level. An increasing number of countries have developed metadata and are using ECLAC's methodological sheets as a guide.</p>
Qualitative Results achieved for EA2:	<p>Increased knowledge by National partners in ESCWA Region on environment statistics through dissemination of ESCWA electronic format publications to stakeholders such as "the Compendium of Environment Statistics in the ESCWA Region, issue2", the "framework for Environmental Accounting" and the "General and Specific Surveys to Compile data on Water Accounts in the Arab Countries", "Environmental Protection Expenditures in Jordan" all of them translated into Arabic, and through consulting the existing database on environment statistics on ESCWA's website.</p>
A.2.2	<p><i>Produce and distribute the methodological documents on integrated environmental statistical systems (basic statistics, indicators and integrated accounting) in particular documents on water accounting: Supply/use, hybrid accounts, environmental expenditures, definitions and guidelines and indicators on water statistics/accounting questionnaire for ESCWA for ESCWA (in Arabic).</i></p> <p>In 2009 ESCWA published a study in English and in Arabic: "<u>Framework for Env. Economic Accounting for ESCWA</u>" and a study in Arabic "<u>Environmental Expenditures in Jordan</u>")</p> <p>In 2008, Three publications were produced by ESCWA in 2008: The UNSD manual "SEEAW Part I" and the standard tables; "General and Specific Surveys to Compile data on Water Accounts in the Arab Countries. 48 pages. Arabic"; The IRWS manual by UNSD will be translated into Arabic once it is finalized from DESA.</p>
A.2.3	<p><i>Produce, distribute and update a database, docubase, and expertbase on environment information for ESCWA. (2007-2008-2009)</i></p>

	<p>In 2009, The ESIS database-Module Environment has been developed through consultancy. Web-based application and Windows application have been tested in-house. On-line dissemination will be available in December The application with the installation kit will be distributed to three countries and training will be provided in December 2009.</p> <p>ESCWA kept the maintenance of the Docubase which is a content management system based on a documentary approach. The objective of the archive is to make publications on environmental statistics, indicator and accounts and related themes available to the Arab region and interested groups.</p>
A.2.4	<p><i>Organize an Expert Group Meeting for ECLAC on environment statistics and indicators to strengthen capacities and subregional networking.</i></p> <p>ECLAC participated in a regional workshop of experts in environmental indicators (Environmental Ministries Fore – Regional UNEP: Working Group on Environmental Indicators) held in Costa Rica during 26 to 28th, 2009. During the six previous months, ECLAC contributed substantially with UNEP ROLAC for this meeting by holding teleconferences on the statistical aspects and by revising their indicators and producing substantive recommendations that were to be adopted during the regional experts meeting. In this meeting ECLAC technically advised in the preparation of the agenda and in the given technical sessions on the methodological and statistical aspects of the ILAC sustainable development indicators being developed for the region by the leading country (Costa Rica) for the WG.</p>

EA3	Strengthened regional network of experts and practitioners and increased interchange of experiences, best practices and methodologies.
<i>I.3.1: Quantitative Performance (Indicator(s) related to EA3)</i>	
IA3.Establishment of a regional network of experts and practitioners and increased interchange of experiences, best practices and methodologies.	<p>The links among national officials and with international experts have been strengthened. Interactions during meetings and through the web-based network were enhanced.</p> <p>320 experts from the ESCWA region and international experts accepted to be members of the ESIAP Network. A consultancy will be prepared for a facilitator to the forum to exchange documents and ideas.</p>
Qualitative Results achieved for EA3:	<p>The development of the network of experts in the field in underway. Terms of reference for the development of the network have been prepared and a consultant was identified.</p> <p>Exchange of documents and experiences with existing emailing list. Through the expert group meeting several key players in the environmental statistics field were able to reconnect, exchange experiences and contribute to elaborating a regional plan of action and to enhance the terms of reference for the development of a working group on environmental statistics that is being established by the Statistical Conference of the Americas. The study carried out in 2008 also provided the</p>

	<p>opportunity to collect experiences and good practices which will be published in early 2009.</p>
A.3.1	<p>Organize a regional training workshop in ECLAC for national statistical offices and other concerned departments to strengthen their capacity in the production of environment statistics and indicators (location: LAC country). ESCWA participates for networking and knowledge sharing. Other suggested participants: UNEP, UNSD, country representatives, experts. (2009)</p> <p>The Technical Workshop on the Preparation of Water Accounts in Latin America, co-funded and co-organized by ECLAC and UNSD, was held June 1-4, 2009 in Santiago, Chile. A total of 31 participants attended the workshop, consisting of 19 national officials representing 7 countries from the Latin American region and 10 representatives from international organizations. In addition one official from Egypt participated along with a representative from the Economic and Social Commission for Western Asia (ESCWA) in order to exchange experiences on water accounting between Latin America and the Middle East. The workshop brought together the producers of water-related information from national statistical offices, water and environment ministries and central banks. The work of countries on water accounts and water information systems were presented, as well as the concepts, sources and methods for water accounting, and the strategies for addressing information gaps and data deficiencies. Overall, the participants' skills in the production of the actual tables of the SEEA-Water were improved, by using real official data from their countries.</p> <p>The regional training course on the "<i>Construction of Environmental Indicators (ILAC/MDG7) in Latin American and Caribbean countries</i>" took place September 7-11, 2009 in Santiago, Chile. The regional UNEP office collaborated in the organization of the workshop and funded the participation of 4 officials from Environmental Ministries. In total 26 participants attended consisting of 25 national officials representing 14 countries and one representative of a regional environmental agency. Out of the 14 countries 9 were represented by national teams consisting of at least one representative of the National Statistical Office and another of the Ministry of the Environment. For the remaining 5 countries, 3 were represented by officials from the Environmental Ministry and 2 from the National Statistical Office. In preparation for the course participants were instructed to get in touch with their counterparts in the NSO or Ministry and to coordinate the collection of basic official national data that allowed them to use official national statistics calculate the set of 12 indicators.</p>
A.3.2-3.3	<p><i>Undertake 6 study tours: 4 practitioners within ESCWA from selected countries to learn best practices from leading countries or agencies and 2 tours between ESCWA and ECLAC; and Undertake study tour for 4 practitioners for ECLAC from selected countries to exchange best practices from leading countries or agencies (2008-2009)</i></p> <p>ESCWA: In June 2009, the director of environment statistics section of the Statistical Office of Egypt (CAPMAS) was offered a fellowship to participate at the training in ECLAC</p>

	<p>and to visit the Statistics Institute of Chile to meet with the environment statistics department staff. ,</p> <p>Officials from the least developed ESCWA member country: officials from Yemen, Palestine and Iraq, ESCWA member countries affected by conflict, followed a fellowship for one week in the department of Statistics in Jordan to learn on the preparation of surveys on environment and water, and the compilations procedures as well as the data analysis and reporting.</p> <p>Two more study tours will be offered to Lebanon and Jordan to the World Water Forum 5 where they will meet with ECLA expert as well.</p> <p>ECLAC:</p> <p>A study tour was organized from February 24-28, 2009 to México City to visit the NSO and Environmental Ministry and learn their environmental statistical system including their experience in water accounting. Two officials from Paraguay's Ministry of Environment along with an official from the National Statistical Office attended the tour. An official from ECLAC accompanied the delegation during the tour.</p> <p>Work sessions were held with officials from INEGI, SEMARNAT and CONAGUA where the work of the Mexicans was presented, best practices were exchanged and experiences shared with the Paraguayan delegation.</p> <p>A study tour is being organized for visiting with a European OECD country/agency early in 2010 as part of the knowledge gathering process about more advanced experiences on natural resources environmental economic integrated accounting (countries and delegation to be determined)</p>
A.3.4	<p><i>Establish a network in ESCWA, using lessons learned from ECLAC model, to promote information sharing and exchange of experiences among environment statistics experts, to encourage the implementation of international definitions, methodologies and standards; access to information on websites and exchange of statistical reports. (2007-2008-2009)</i></p> <p>ESCWA promoted the project by developing the network and the database on the Environment Statistics, Indicators and Accounts Project (ESIAP) website which can be accessed through: http://www.escwa.un.org/esiap/ . The website was launched during the opening of the sub-regional workshop on water accounts in the presence of high officials from the statistical offices and the ministries of water in Lebanon and the Gulf states. The Network members are already consulting the database and are exchanging ideas and discussing issues in the field of environment statistics and accounts.</p>

PROBLEMS ENCOUNTERED

Description:

Difficulties continued regarding the lack of availability of data on environment in some ESCWA countries, is the compilation of monetary data on supply and use tables because of the difficulties of some countries in implementing SNA93.

There is an interest to engage at least on English speaking Caribbean country in the project. Efforts have been made to build partnerships with CARICOM in hope to identify a country that could participate in at least one of the project's activities. A representative from CARICOM attended the expert group meeting but no concrete opportunities have been identified to date. One of the major challenges is the language barrier and the project does not have the resources to address this. Additionally, the needs of Small Island States are very particular while local technical capacities are limited making it more challenging to share knowledge from mainland Latin America to the Caribbean.

SUSTAINABILITY

The project provided a significant support to member countries on environment statistics, indicators and accounts. For example, water accounts had been put now on the agenda of member countries which will try to complement their requests on assistance from other organizations or from national sources. In this regards, Jordan, Egypt, Lebanon, Oman and Bahrain are developing pilot water accounts in 2008-2009. In addition, the World Bank is now developing a project on Environmental Accounting for the MENA Region. When this project is implemented, member countries will have a basis to work further on this topic with the World Bank.

REVISIONS

ESCWA convened the "EGM on Environmental Accounting for the ESCWA region" as planned in the project document from 14-16 October 2009 in cooperation with DESA-UNSD, the League of Arab States (LAS), ECLA, and UNEP.

The experts recommended that the regional meeting be organized in coordination with the League of Arab States at the Council of Arab Ministries Responsible for the Environment and the Arab Council of Ministers of water that will take place during the first quarter on 2010.

The co-organization of such meeting will promote the development of environment statistics and accounts at a higher policy level (Ministers or General Directors levels) and will provide a larger coverage to include all Arab countries. The results achieved by the project and the way forward will be shared and the views of policy-makers will enhance the further implementation of the project at the national level. The participation of ECLAC representatives will enhance the inter-regional sharing of experience.

Lessons learned from the Latin America showed that high-level meetings like the meeting convened in Brazil in October 2009 has stronger impact at the national and the regional levels.

MEDSTAT-Environment Statistics project was terminated and the need to complete with a regional partner such as the League of Arab States is very important.

The partnership opportunity will be missed and the impact will be restricted to the technical level if the project is not extended

During the study carried out by ECLAC on the state of environmental statistics in the LAC region and the Expert Group Meeting it became clear that there is great interest and high demand for capacity building in environmental accounting. Due to this demand UNSD has received requests from 22 countries for technical assistance on water accounts in the LAC region. It was decided that carrying out a small workshop for countries committed to carrying out water accounting would add significant value to the project. The workshop will be co-organized and co-funded by UNSD and ECLAC.

In terms of the study tours, the project does not have sufficient funds to sponsor three study tours within the LAC region and one study tour from ECLAC to OECD, therefore, two study tours will take place within the LAC region and pending on funding a third tour will be organized from ECLAC to OECD.

5. LESSONS LEARNED

During 2 years of implementation of the project, important partnerships with various regional entities were established such as UNEP/ROWA, UNEP/ROLAC, MEDSTAT, and UNSD. The impact of establishing these partnerships was highly significant at the financial and substantive levels. At the financial level, sharing expenses allowed for inviting more experts and delegates from ministries of water and environment while accumulating savings that could be allocated for other activities. The cooperation of UNSD was essential because the development of updated manuals and data sharing on environment and water.

The project offered opportunities for South-South cooperation and encouraged wide sharing of experiences and ownership of the projects. In Vienna, and in Istanbul in March 2009, ESCWA and MEDSTAT countries will present lessons learned from developing water accounts.

In ESCWA, focusing on Environmental Accounts gave momentum to the project. At the national level, countries were more interested to learn on the interlinkages between economy and the environment through the SNA framework. The stakeholders from National Accounts and water information were mostly involved in the project until now.

Information technology through the development of docubase, database and network offered various tools for networking and sharing knowledge.

In ECLAC, and based on the countries' requirements, the focus during the first year was more on basic statistics and indicators on environment. In 2009 the activities also included water accounts.

It is recommended to have the ministries of environment involved in a more comprehensive framework of environmental account in addition to water and national accounts stakeholders. The two remaining meetings planned by ESCWA will involve focal points from Ministries of Environment as well. This will entail additional costs which we will try to cover from partnerships with organizations or countries.

6. WORK PLAN FOR THE REMAINING ACTIVITES

	Duration / Date of completion
EA1	Strengthened skills of National Officials to produce relevant, quality, comparable and timely environment statistics, indicators, and accounts using the systemic approach, Integrated Environmental Statistical Systems (IESS) that incorporates statistics, indicators and environmental accounting, for monitoring progress towards national and internationally agreed development goals.
A1.1	<p><i>Organize 1 regional training session in ESCWA for national statistical offices and other concerned departments from all ESCWA countries to strengthen their capacity a) in the production of environment statistics and accounts, indicators of relevance to national and Internationally agreed development goals; b) in adopting international definitions and standards, in using information and communication technologies for data storage and dissemination, and c) in improving user-producer relationships. Workshop will provide a forum for a dialogue among the countries of the region and for exchange of country experiences. ECLAC will participate to present lessons learned (January 2010)</i></p> <p>The meeting is planned for beginning 2010. This meeting comes after two subregional meetings in ESCWA region, two EGMs, one in ECLAC and one in ESCWA, and several missions, the regional meeting and thus will bring together experiences and lessons learned within the region and between the two regions..</p>
A.1.2	One Mission in Q1-2010 in Oman (upon request of Ministry of Economy) four days
EA2	Increased national and regional production, dissemination and use of environment statistics, indicators and accounting using advanced information and communication technology and improved metadata production, for knowledge management by policy makers, the public and the media towards achieving sustainable development
A.2.2	Translation of the International Recommendation of Water Statistics "IRWS" into Arabic

Hiring an external consultant to conduct end of project evaluation (February 2010). Estimated budget \$ 7,000.

8. ADDITIONAL INFORMATION (AVAILABLE UPON REQUEST)

- **Evaluations of activities:**

1. Evaluations were carried out the EGM, the missions undertaken and the Sub-Regional Meetings in ESCWA
2. Evaluations were carried out for the technical assistance missions to Cuba and Venezuela.

- **Publications:**

1. "Manual on the System of Environmental-Economic Accounting for Water (SEEAW). Part. I. Arabic. 2008. 112 pages.
2. ESCWA 2008a. General and Specific Surveys to Compile data on Water Accounts in the Arab Countries. 48 pages. Arabic.
3. Framework for environmental economic accounting in the ESCWA region. English 61 pages and Arabic 69 pages.
4. "Environmental Protection Expenditure in Jordan"
5. State of environmental statistics in the LAC region: advances, challenges and perspectives (Spanish)
6. "*Guía metodológica para desarrollar indicadores ambientales y de desarrollo sostenible en países de América Latina y el Caribe*", serie Manuales No61 (LC/L.3021-P). Santiago de Chile, ECLAC (in Spanish)

- **Media coverage:**

1. ESCWA News letter
2. ESCWA News letter
3. Yemen daily newspaper
4. Article in Jordan daily News Paper on Water Accounts Meeting, 11/03/2008
5. Article in Dominican Republic's Press on the Water Accounts DR 8/5/2008
6. ESCWA News Letter March 2008
7. EuroMed Info News Center, 01/02/2008
8. ESCWA News letter August 2008

- **Meeting reports:**

1. Two reports of the 2 subregional trainings: "ESCWA MEDSTAT II sub-regional training session on the System of Environmental-Economic Accounting for Water (SEEAW), Amman, Jordan, 10-13 March 2008"; and "Training Session on the System of Environmental-Economic Accounting for Water (SEEAW) for the Arab Gulf Countries, August 25-28, 2008, Beirut, Lebanon"
2. Two reports on the ECLAC's and ESCWA's expert group meetings
3. Terms of reference of the working group to be established under the Statistical Conference of the Americas (English)
4. Seven mission reports Missions reports to Jordan, Oman, Lebanon, Egypt, Syria, UAE and Sudan

Attachment 1. Meetings Webpages



Expert Group Meeting on Environmental Accounting for the ESCWA Region

14/10- 16/10/2009 , Beirut

A. Event Details

- Information Note
- Registration Form
- Draft Agenda

B. Background Documents

- Framework for Env. Economic Accounting for ESCWA
- Water Surveys (AR)
- Environmental Expenditures in Jordan (En)
- Environmental Expenditures in Jordan (Ar)
- SEEAW Tables
- SEEAW Part 1 (Ar)
- MoE CCZED Northern Lebanon

Session 1

- 1.1 Progress and Strategy for SEEA
- 1.2 The General SEEA Framework
- 1.3 Priority Issues
- SEEA

Session 2

- 2.6 Land and Soil Accounts
- 2.2 Progress in SEEAW in ESCWA
- 2.3 UNSD Strategy for the Implementation of the SEEAW
- 2.5 Energy Accounts for ESCWA
- SEEAW & IRWS

Session 3

- 3.2 EPE Jordan
- 3.1 SEEA & EEA_ Slovenia and Syria_Danica

Session 4

- Chile Env Statistics as support for Indic and Accounts
- Yemen Presentation
- Egypt SEEA Comments
- Environmental Accounting - Egypt

The United Nations Statistics Division (UNSD) developed the System of Integrated Environmental and Economic Accounting (SEEA) in 1993, as a satellite to the 1993 System of National Accounts (SNA), in recognition to the increasing importance of integrating environmental issues into development and the need to account for the manifold interactions between all sectors of the economy and the environment in order to ensure sustainable development.


ESCWA through the funded project "*Strengthening National Capacities in Environment Statistics, Indicators and Accounts in support of progress toward achieving the internationally agreed development goals in the ESCWA and ECLAC Region 2007-2009*", has planned activities to assist in enhancing the national capacities of Member States in environment statistics, indicators and accounts in order to integrate environmental concerns into economic development, thus supporting progress toward achieving environmental sustainability and related international agreed development goals member countries.

This assistance by ESCWA, which encompasses training workshops, technical assistance missions, publication of studies and development of information systems, is coordinated with regional and international agencies, particularly UNSD, the Economic Commission for Latin America and the Caribbean (ECLAC), the regional statistical cooperation programme between the European Union and Mediterranean partner countries (MEDSTAT) and the United Nations Environment Programme (UNEP).


Contact Info:


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1097E -


 Environmental Statistics
Economic Accounting in
Lebanon

 Africa Presentation

 UAE Presentation

 UNEP's Work on
Environmental Information
and Green Economy

Session 5

 Regional Agenda

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Portada | Mapa de Sitio | Índices del sitio | Enlaces

Comisión Económica para América Latina y el Caribe

CEPAL **DIVISIÓN DE ESTADÍSTICA Y PROYECCIONES ECONÓMICAS**

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[Noticias y actividades](#)

Santiago de Chile, Sede de la CEPAL, 7 al 11 de septiembre de 2009

9/7/2009

Curso-Taller "Construcción de Indicadores Ambientales (ILAC/ODM7) en los países de América Latina"

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Este curso-taller se ha diseñado para desarrollar y fortalecer capacidades estadísticas, enfocadas a la colaboración interinstitucional, como proceso indispensable para la construcción y mantenimiento de un sistema de indicadores ambientales nacionales, en particular de aquellos que se han consensuado en el marco de la Iniciativa Latinoamericana y del Caribe para el Desarrollo Sostenible (ILAC) y que se han comprometido en el Objetivo de Desarrollo del Milenio 7.



[Inicio](#) [Información general](#) [Presentaciones](#) [Material metodológico](#)

■ INFORMACION GENERAL

[Antecedentes del curso taller \(28 Kb.\)](#)

[Agenda detallada \(33 Kb.\)](#)

[Lista de participantes](#)

División de Estadística y Proyecciones Económicas de la CEPAL

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TECHNICAL WORKSHOP ON THE PREPARATION OF WATER ACCOUNTS IN LATIN AMERICA

Organized by UNSD in collaboration with ECLAC

1-4 June 2009, Santiago, Chile

List of Documents

	FILE	SIZE
Agenda - <i>English version</i>	PDF	27 KB
Agenda - <i>Versión en Español</i>	PDF	27 KB
List of Participants	PDF	116 KB
Conclusion - <i>English version</i>	PDF	96 KB
Conclusion - <i>Versión en Español</i>	PDF	99 KB

PAPERS AND PRESENTATIONS

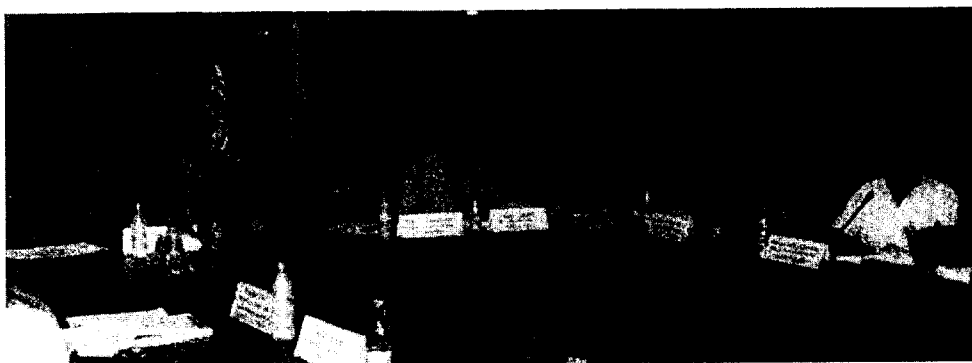
	FILE	SIZE
SESSION 1 Opening and Introduction		
Introduction to the System of Environmental-Economic Accounting for Water (SEEAW) (Michael Vardon, UNSD)	PPT	1,296 KB
Introducción al Sistema de Cuentas Ambientales y Económicas Integradas del Agua (SCAEI-A) (Michael Vardon, DENU)	PPT	1,474 KB
SESSION 2 Physical supply and use tables		
Physical Supply and Use Tables in SEEAW: Main concepts and recording of flows (Ricardo Martinez, CONAGUA and Michael Vardon, UNSD)	PPT	1,421 KB
Cuadros de oferta y utilización física del agua en SCAEI-A: Principales conceptos y registro de flujos (Ricardo Martinez, CONAGUA-México y Michael Vardon, DENU)	PPT	1,972 KB
SESSION 3 Country experiences with water statistics and accounts		
Cuentas del agua de la Republica Dominicana (Roberto Blondet, Banco Central de la República Dominicana y Patricio Devers, Secretaria de Estado de Medio Ambiente y Recursos Naturales)	PPT	1,856 KB
Recursos hídricos en Guatemala (César Ruiz, Instituto Nacional de Estadística, Enma Díaz, Secretaría General de Planificación y Programación de la Presidencia y Jaime Luis Carrera, Instituto de Agricultura, Recursos Naturales y Ambiente)	PPT	1,777 KB
Sistema de Contabilidad Económica y Ambiental del Agua: La experiencia de México y su vinculación con el Sistema de Cuentas Económicas y Ecológicas de México (Federico González Medrano)	PPT	5,448 KB
SESSION 4 Practical session on Physical supply and use tables		
SEEA Water exercise on physical supply and use tables	PDF	263 KB
Ejercicios de Cuadros de Oferta y Utilización Física SCAEI-Agua	PDF	226 KB
Recording flows in the Physical Supply-Use Tables: Cola City, Cow Town and Capital Harbor (Michael Vardon, UNSD)	PPT	1,293 KB
Registrando flujos en los cuadros de oferta y utilización física del agua: Cola City, Cow Town y Capital Harbor (Michael Vardon, DENU)	PPT	1,622 KB
SESSION 5 Emission accounts and asset accounts		
Emission Accounts (Jeremy Webb, UNSD)	PPT	1,272 KB
Cuenta de emisiones (Jeremy Webb, DENU)	PPT	1,410 KB
The System of Environmental-Economic Accounting for Water SEEAW: Water Asset Accounts (Wafa Aboul Hosn, UNESCWA)	PPT	1,470 KB
El sistema de Cuentas Ambientales-Económicas Integradas para Agua SCAEI-A: Cuenta de Activos (Wafa Aboul Hosn, UNESCWA)	PPT	1,565 KB
SESSION 6 Country experiences with water statistics and accounts		

	Estadísticas del Agua en Brasil (Joao Gilberto Lotufo Conejo, Planeamiento de Recursos Hídricos)	PPT	6,322 KB
	Estadísticas Ambientales y Cuentas del Agua en Brasil - una visión general (Judicael Clevelario Junior, CREN)	PPT	118 KB
	Presentación de Chile (Dharmo Rojas, INE y Mesenia Atenas, DGA)	PPT	2,101 KB
	Colombia - Cuentas de agua (Flor Sofia Roa Lozano)	PPT	1,276 KB
SESSION 7	Asset accounts and emission accounts exercises		
	Water Asset Accounts - Exercise (Wafa Aboul Hosn, UNESCWA)	PPT	521 KB
	Cuenta de Activos de agua - Ejercicios (Wafa Aboul Hosn, UNESCWA)	PPT	558 KB
	Water Asset Accounts - Answers to Exercise (Wafa Aboul Hosn, UNESCWA)	PPT	436 KB
	Cuenta de Activos de agua - respuestas de los Ejercicios (Wafa Aboul Hosn, UNESCWA)	PPT	459 KB
	SEEA Emission Accounts Calculation Examples and Supplementary Information (Jeremy Webb, UNSD)	PPT	697 KB
	SCAEI-A Cuenta de emisiones Ejemplos de cálculo e información complementaria (Jeremy Webb, DENU)	PPT	731 KB
	Emissions Exercise Capital Harbor (Jeremy Webb, UNSD)	PPT	422 KB
	Ejercicios Emisiones Capital Harbor (Jeremy Webb, DENU)	PPT	420 KB
	Emissions Exercise - Answers to Exercise	PDF	60 KB
	Ejercicios Emisiones - respuestas de los Ejercicios	PDF	83 KB
SESSION 8	Country experiences and work of international agencies		
	ESCWA Work and SEEA Implementation in ESCWA Countries (Wafa Aboul Hosn, UNESCWA)	PPT	4,338 KB
	Available Water Resources And Usage in Egypt (Abd El Aziz Bahgat, CAPMAS Egypt)	PPT	2,158 KB
	Cuentas ambientales de Panamá - recursos hídricos (Everlyn Góndola, Autoridad Nacional del Ambiente Anam Panama)	PPT	2,192 KB
	Presentación de CEMLA (José Alejandro Arita Chinchilla, CEMLA)	PPT	894 KB
SESSION 9	Hybrid accounts and water valuation		
	The Hybrid Accounts of SEEA (Michael Vardon, UNSD)	PPT	1,285 KB
	Las cuentas híbridas del SCAEI-A (Michael Vardon, DENU)	PPT	1,354 KB
SESSION 10	Practical session		
	Physical Supply and Use Table	XLS	69 KB
	SEEA Standard Tables	XLS	89 KB
SESSION 11	Application and implementation of the SEEA		
	Policy application of SEEA (and indicators) (Jeremy Webb, UNSD)	PPT	931 KB
	Aplicación del SCAEI-A en políticas (e indicadores) (Jeremy Webb, DENU)	PPT	1,173 KB
	Developing an information strategy for water accounts and statistics (Kristina Taboulchanas, ECLAC and Michael Vardon, UNSD)	PPT	155 KB
	Desarrollo de una estrategia de información para cuentas y estadísticas del agua (Kristina Taboulchanas, CEPAL y Michael Vardon, DENU)	PPT	281 KB
SESSION 12	Next steps and conclusions		

Attachment 2. Media Coverage



System of Environmental-Economic Accounting for Water (SEEAW) for the Arab Gulf Countries



On 25-28 August 2008 and in cooperation with the UN Statistics Division (UNSD) and the UN Environment Programme (UNEP), UN-ESCWA organized a training session on the "System of Environmental-Economic Accounting for Water (SEEAW) for the Arab Gulf Countries" at the UN House, Beirut.

The session was organized through the UN Development Account project on "Strengthening National Capacities in Environment Statistics, Indicators and Accounts in support of progress toward achieving the internationally agreed development goals in the UN-ESCWA Region" and as a follow up to the expert group meeting on "The Production of Statistics on Natural Resources and Environment" held in Cairo on 5 - 7 June 2007 and to the sub-regional training session on SEEAW that was held in Amman on 10-13 March 2008.

The meeting was intended to provide a sound knowledge on the compilation and practical and operational use of the system of environmental-economic accounting for water (SEEAW) according to the international statistical standards developed by the UNSD in 2006. It focused on the concepts and use of the SEEAW water supply and on the use of tables in physical and monetary terms, emissions and assets accounts, the international recommendations for water statistics and the compilation of environment statistics at the national and international levels.

Participants in the meeting were representatives from the National Statistical Offices and the Water and Environment Authorities of the six Gulf Cooperation Council countries (Bahrain, Qatar, Saudi Arabia, Oman, UAE and Kuwait), in addition to an expert from the Austrian Federal Environment

Agency and concerned representatives from Lebanon.

The meeting's recommendations underlined building capacities to obtain reliable, continuous and harmonious primary water data; undertaking comprehensive knowledge mapping effort to assess water and environment monitoring systems and related economic data collections; enhancing coordination among the national authorities concerned with environment, water and statistics; and collecting necessary information and developing an information system. Participants asked UN-ESCWA, UNEP and UNSD to provide technical support to the GCC countries on mechanisms for integrating components of environmental accounting, and provide GCC countries with the SEEAW standard tables in order to take into consideration the regional peculiarities of regional states. ■

IN THIS ISSUE

- System of Environmental-Economic Accounting for Water (SEEAW) for the Arab Gulf Countries
- UN-ESCWA Publications
- Facts and Figures

UN-ESCWA Publications



Study 1: National Accounts Studies of the ESCWA Region

Bulletin No: 27 of the National Accounts of the ESCWA Region contains available data and ESCWA estimates of the main annual national accounts at current and constant prices for the latest available periods. Data are mainly collected from response of member countries

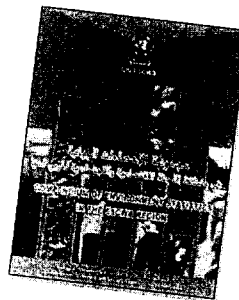
UN-ESCWA Publications (Cont.)

to questionnaires compiled by the ESCWA Statistics Division, national and international publications and official sources, and national statistical office websites. The publication is divided into three chapters. Chapter I includes selected national accounts series converted in U.S. dollars aggregated for ESCWA, the Gulf Cooperation Council and countries with more diversified economies. Chapter II comprises consolidated national accounts for ESCWA member countries in

national currency at current prices; and Chapter III shows estimates by country at constant prices from the year 2000 in U.S. dollars.

Study 2: Compendium of Environment Statistics in the ESCWA Region

Compendium of Environment Statistics in the ESCWA Region seeks to set a framework for compiling environment statistics for the Western



Asia region undertaken by ESCWA in close collaboration with the UN Statistics Division and the UN Environment Program (UNEP), and aims to

strengthen the capacity of member countries. Following a framework of environment indicators, it compiles existing environmental data, calculates indicators related to the environment, addresses gaps in data and priority issues, and builds on information to increase coverage in the data collection process. This Compendium is mainly intended to assist people in the fields of statistics, environment and policymaking to develop a system for collecting environment statistics. ■

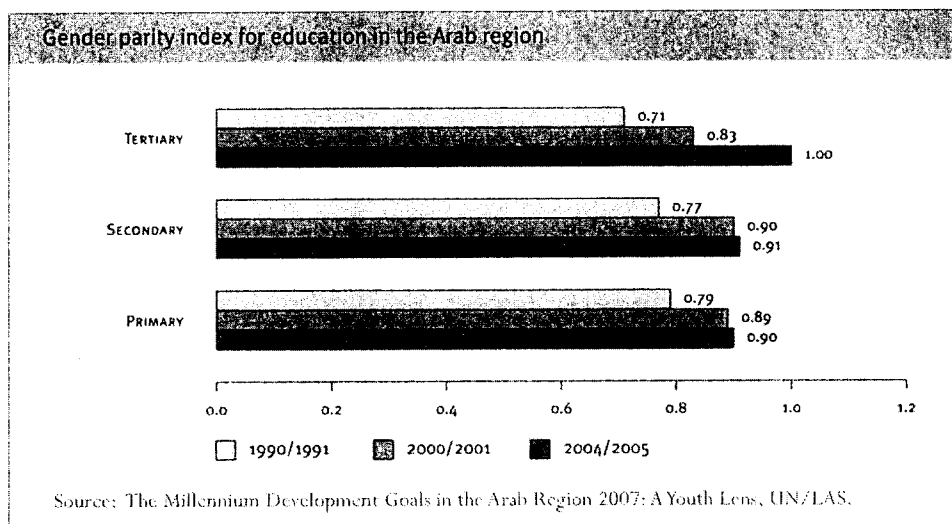
Facts and Figures: The Millennium Development Goals in the Arab Region 2007

Goal 3: Promote Gender Equality and Empower Women

Gender Parity Index for Education in the Arab Region

The Gender Parity Index (GPI) measured by the girl-to-boys gross enrolment ratio has substantially increased at all levels of education over the period 1991-2005. The regional average of 1.00 indicates that, for the region as a whole, gender disparities in enrolment at the tertiary level have been eliminated, though large differences between sub-regions and individual countries

continue to exist. At the primary and secondary level, by contrast, full gender parity in enrolment rates has yet to be achieved, as indicated by the respective 2005 GPI values of 0.90 and 0.91. Progress has been broad-based, with each of the sub-regions moving towards gender parity at the different educational levels. ■



Address

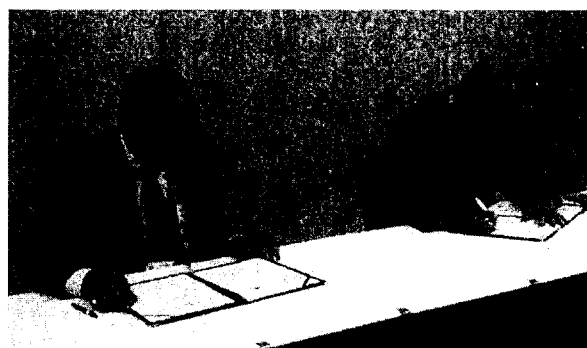
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website: www.escwa.un.org

**IN THIS ISSUE:**

- ESCWA, OECD Sign MoU
- ESCWA 4th Committee on Women: For Gender Equality in National Plans

ESCWA, OECD Sign MoU



ESCWA signed a Memorandum of Understanding (MoU) with the Organization of Economic Cooperation and Development (OECD) on measuring the progress of societies during the Third OECD World Forum on Statistics, Knowledge and Policy, held in Busan, Korea from 27 to 30 October 2009.

Speaking at the session on "Charting Progress, Building Visions, Improving Life: In a Time of Crisis", ESCWA Executive Secretary Bader AIDafa laid out the objectives and scope of work of the UN Commission. In the context of quantifying progress and crises alike, AIDafa noted the region faces

specific development challenges. As a result, a significant proportion of resources are being devoted to resolving the impact of crises, and development efforts have slowed down their pace, in spite of macroeconomic indicators documenting a growth.

To face these challenges, the Executive Secretary laid out some practical steps, such as reforming the statistical legislation, establishing national strategies for development of statistics, providing data at the sectoral and mostly micro level. He also pointed out the need for time series data, which is paramount to measure the impact of policies and

for cross-country comparisons.

As the Globe faces multiple crises, ESCWA is dealing with compounded challenges to lead the United Nations regional vision of 'ONEWORLD' by building effective multi-lateralism. It regards times of crises as times of challenge and "opportunities for change". Charting progress of societies comes as an impetus to change and redirect our eyes to what progress means to each of our nations, what policies are needed to reach societal aspirations, and hence what indicators are needed to measure these processes and their results. ■

ESCWA 4th Committee on Women: For Gender Equality in National Plans

Participants in the ESCWA 4th Committee on Women adopted the resolution on "Follow-up on the Implementation of Beijing Platform for Action (BPFA): Beijing+ 15" and the draft consolidated Arab report on the implementation of BPFA. The Committee, a specialized intergovernmental body established in 2003, convened its 4th meeting on 21-23 October under the auspices of Lebanon's First Lady Wafaa Michel Suleiman and in the context of ESCWA 35th Anniversary.

"For Arab women to be able to achieve the level of efficiency we all want for them and the pivotal role they deserve, their issues should be included in national, strategic development visions," ESCWA Executive Secretary Bader AIDafa said at the opening of the meeting.

Also speaking at the opening were Bahrain representative and Chairperson of the 3th Committee on Women, Lulua Al Awadi, Arab League Assistant Secretary General for Social Affairs, Sima Bahouth, Special Adviser of the UN Secretary-General on Gender Issues and Advancement of Women, Rachel Mayanja, and representative of Lebanon's First Lady, Najwa Nasr. Speakers focused on empowering women economically, as well as the progress achieved in the area of women empowerment fifteen years after the adoption of the Beijing Declaration and PoA and the challenges left to face.

The meeting recommended, inter alia,



including gender issues in national plans and strategies and considering women empowerment a national and regional priority. It stressed the importance of political will in ensuring gender equality and justice and focused on reforming the image of women in society, through school curricula and books.

Participants elected Syria's Najwa Hassan as chairperson for the 4th Committee, while Bahrain's Lulua Al Awadi and Sudan's Khadija Hamed were chosen as vice-chairmen. Oman's Yahya Al Hanai was elected, for his part, as rapporteur. ■

Environmental Accounting

ESCWA held an Expert Group Meeting (EGM) on "Environmental Economic Accounting for the ESCWA Region" on 14-16 October that concluded with recommendations for improving environment and Water Accounts and for developing environmental protection expenditures in the ESCWA region. The meeting discussed the 2009 ESCWA publication "Framework for environmental economic accounting in the ESCWA region". It was attended by participants from national statistical offices, ministries of Environment and Water in ESCWA member countries, and experts from regional and international organisations.

The meeting encouraged countries that produced pilot water accounts to complete with monetary and emissions accounts, while other countries were encouraged to implement pilot accounts. LAS pledged to include environmental economic accounting at the next meetings of the Council of Arab Ministers on Water and the Council of Arab Ministers responsible for the environment. ESCWA and the UN Statistics Division were invited to provide more technical assistance missions and propose a work plan for each set of countries to develop integrated environmental economic accounting that cover main subaccounts such as water, energy land and waste.

Water Quality and Technical Cooperation in Oman

ESCWA organized two workshops in Oman on the themes of technical cooperation and water quality to empower participants from line ministries and governmental institutions in Oman in both areas.

The first workshop was held on 6 and 7 October in cooperation with the Ministry of National Economy. Along two days of work, participants increased their knowledge in the concepts of technical cooperation and methods of partnering with international agencies, networking mechanisms, information sharing and exchange of experience. Participants recommended the follow-up on areas of E-commerce and climate change inter alia.

On a relevant note, and also in Oman, ESCWA held a three-day workshop (10-14 October) on the "Quality of Drinking Water Resources", in cooperation with the Public Authority for Electricity and Water. Through dynamic discussions, participants increased their knowledge of the concepts of water quality management tools, sources of pollution, water sampling and analysis techniques best practices in water treatment technologies as well as international standards and guidelines. Participants recommended that specialized trainings be held on topics related to quality of drinking water resources, such as the Integrated Water Resources Management (IWRM).

Regional Integration in Financial Services

ESCWA organized an EGM on Regional Integration in Financial Services on 21-22 October to evaluate economic regional integration by focusing on financial services. Participants formulated a set of recommendations to policy makers on how to develop financial services sectors in order to promote regional economic integration. Attending the meeting were representatives from ten ESCWA member countries, in addition to representatives from several capital markets, LAS, and the Saudi Fund for Development.

The meeting provided a venue for them to exchange ideas and discuss all issues related to promoting regional integration and to present the major challenges hindering regional integration in financial services. Participants also evaluated regional integration efforts, discussed challenges, and exchanged ideas on how to develop financial services in order to help promote regional integration.

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5th WORLD WATER FORUM

Topic 6.4 Data for All

20 - 21 March 2009, Istanbul, Turkey

List of Documents

		FILE	SIZE
	Organization of the topic	PDF	97 KB
	Conclusions, recommendations and proposals for the topic	PPT	248 KB
PAPERS AND PRESENTATIONS		FILE	SIZE
OPENING	Introduction		
	Introduction to topic 6.4 Data for All	PPT	2,285 KB
	Keynote address (Roberto Lenton, Global Water Partnership)	PPT	371 KB
	Report on the French Side Event on Water Information Systems (Marie-Perrine Miossec, Office National de l'Eau et des Milieux Aquatiques, France)	PPT	414 KB
SESSION 6.4.1	Data Needs and Data Acquisition		
	Building the Data Base (Arthur Askew, International Association of Hydrological Sciences)	PPT	52,295 KB
	Multiple Benefits, Multiple Tradeoffs (Paul West, The Nature Conservancy & University of Wisconsin, USA)	PPT	497 KB
	The Hydrological Cycle - Monitoring Locations and Equipment (Martin Schinnerl, Ott Messtechnik GmbH & Co, Germany)	PPT	1,410 KB
	Snow Products development on Mountainous area by Turkish H-SAF team (TSMS-METU) (Ünal Sorman, Middle East Technical University, Turkey)	PPT	3,294 KB
	Building the Database: Remote Sensing (Ian Cluckie, Swansea University, UK)	PPT	13,036 KB
SESSION 6.4.2	Data Integration and Dissemination: From Data to Information		
	Introduction (Jose Ramon Ardavin, National Water Commission, Mexico)	PPT	242 KB
	Overview (Ivo Havinga, United Nations Statistics Division)	PPT	1,604 KB
	UN-Water Approach to Data Integration & Dissemination (Pasquale Steduto, Food and Agricultural Organisation)	PPT	1,144 KB
	Water Environment Partnership Asia (Mitsumasa Okada, Ministry of Environment, Japan)	PPT	645 KB
	One Recipe for Getting Water Data 'Right' (Rob Vertessy, Bureau of Meteorology, Australia)	PPT	3,476 KB
	Bridging the Observational Gap (Richard Connor, World Water Assessment Programme)	PPT	253 KB
	Frameworks and approaches: Regional (Wafa Aboul Hosn, United Nations Economic and Social Commission for West Asia)	PPT	2,761 KB
	An Outline of Water Statistics in China (Guozhi Du, Ministry of Water Resources, China)	PPT	734 KB
	Brazilian Initiative (Mauricio Cezar Rebello Cordeiro, National Water Agency, Brazil)	PPT	605 KB
	3 Keys to Data for All (Sabrina Barker, United Nations Environment Programme)	PPT	10,438 KB
	Data Integration and Accounting for Sustainable Water Management in Europe: The Water Information System for Europe (WISE) (Beate Werner, European Environment Agency, Commission of the European Communities)	PPT	294 KB
	Water Quality and Water Pollution - Data for Old and New Policy Questions (Michael Nagy, Umweltbundesamt, Austria)	PPT	462 KB

	From Open Data Sources to Transparent Knowledge-based Management and Policy (Seppo Rekolainen, Finnish Environment Institute - SYKE, Finland)	PPT	178 KB
	Mediterranean Experiences: A Regional Approach of SEEA-W (Cécile Roddier-Quefelec, Med Stat II, Commission of the European Communities)	PPT	203 KB
	SEEAW for Lebanon (Ghalia Hamamy, Central Administration for Statistics, Lebanon)	PPT	89 KB
	Experiences in Water Statistics & Accounts (Mahmoud Alkhawalde, Department of Statistics, Jordan)	PPT	167 KB
	GRDC Presentation (Ulrich Looser, Global Runoff Data Centre, Institute of Hydrology, Germany)	PPT	302 KB
	Global Groundwater Monitoring Network (Sophie Vermooten, International Groundwater Resources Assessment Centre, Netherlands)	PPT	835 KB
	Session Outcome (Michael Vardon, United Nations Statistics Division)	PDF	98 KB
SESSION 6.4.3	Barriers to Data Availability		
	Overview (Bruce Stewart, World Meteorological Organisation)	PPT	386 KB
	We Need to Share Data (Mr Vladimir Smakhtin, International Water Management Institute, Sri Lanka)	PPT	6,193 KB
	Political and Legal Barriers to Data Availability (Andrew Allan, International Water Law Research Institute, UK)	PPT	1,994 KB
	Economical and Social Barriers to Water Related Data Availability in the Bangladesh Context (Abu Saleh Khan, Institute of Water Modelling, Bangladesh)	PPT	8,489 KB
	Hydrological Monitoring Stations Network (Magheb Hussein, Iraq)	PPT	5,010 KB
SESSION 6.4.4	Action to Ensure Data for All		
	Conclusions and Challenges for Session 6.4.1 (Hafzullah Aksoy, Istanbul Technical University, Turkey)	PPT	277 KB
	Conclusions, Recommendations and Proposals for Session 6.4.2 (Michael Vardon, United Nations Statistics Division and Ricardo Martinez, National Water Commission Mexico)	PPT	242 KB
	Conclusions, Recommendations and Proposals for Session 6.4.3 (Bruce Stewart, World Meteorological Organisation)	PDF	10 KB
	Conclusions, Recommendations and Proposals for Session 6.4.4 (Michael Vardon, United Nations Statistics Division)	PDF	10 KB
BACKGROUND DOCUMENTS		FILE	SIZE
	System of Environmental-Economic Accounting for Water (SEEAW)	PDF	1,578 KB
	Report on the Global Assessment of Water Statistics and Water Accounts	PDF	949 KB
	Estadísticas del Agua en México, Edición 2008	ZIP	8,330 KB
	Water Information System for Europe (WISE) (Beate Werner, European Environment Agency, Commission of European Communities)	PDF	28 KB
	Developing Water Accounts for the Arab-ESCWA Region (Wafa Aboul Hosn, United Nations Economic and Social Commission for West Asia)	PDF	252 KB

Attachment 3. Database

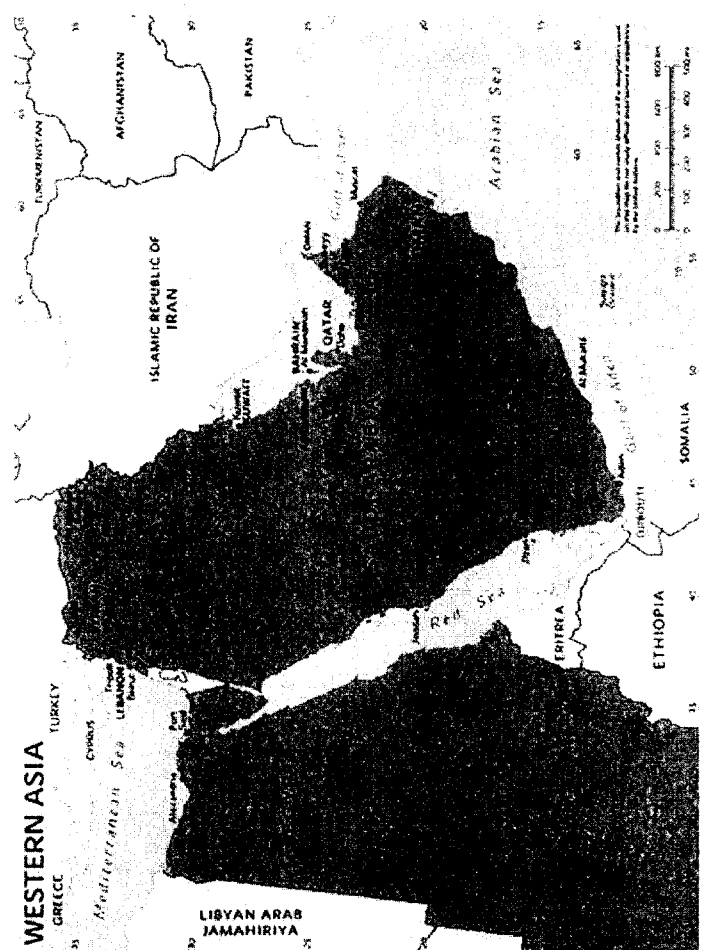


ESCWA Statistical Information System

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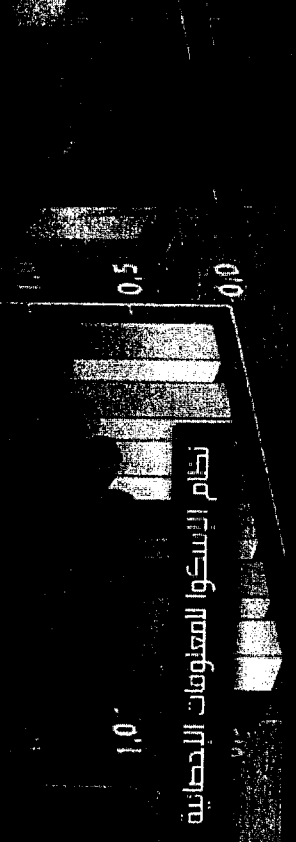


الصفحة الرئيسية

الوثائق

التقارير

التصايف

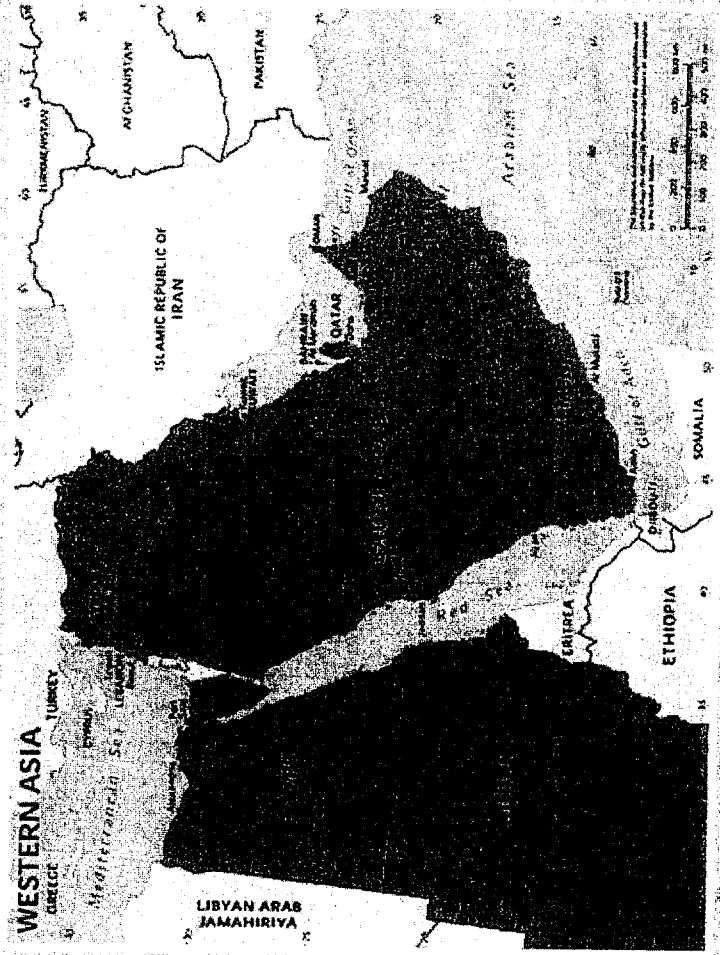


مراجعة الموقع: ٢٠٠٥

أخبار وأحداث

التقارير

السلام الوطني



تقرير منطقة حبيب الفاضل

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