



Annual Report 2009

International Network for Capacity Building for
Integrated Water Resources Management



Cap-Net



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A. INTRODUCTION

The second phase of the Cap-Net project is soon coming to an end and has brought new experiences with relocation from UNESCO-IHE to South Africa. The support from two funding partners (Sida, EU) ended in 2009 and the support from DGIS ends in June 2010. Fortunately Sida has agreed to the final project report being produced in 2010 so that it can capture the whole project and avoid several reports being produced for each donor. 2009 has been a year with a lot of action and good outputs from the programme but also challenged by an uneven flow of funds. The support from networks and international partners has been excellent and we have been pleased with the maturation of the first stages of the climate adaptation programme and the emergence of a viable programme on water and sanitation.

Capacity development is a slow process and often hard to measure. Many activities have taken place in 2009, mostly meeting the work plan in full, and successfully engaging with capacity building network members of Cap-Net and key international partners. The areas of attention for capacity development have been both innovative and responsive to needs on the ground.

The development of new training materials continues smoothly as we consolidate lessons learned over time. The monitoring of the programme is also one area where progress has been made during the project and culminated in 2009 with the full application of the monitoring and learning tools. The monitoring, evaluation and learning plan has been printed and the results from its application have been compiled in a monitoring report with many interesting findings to validate the programme and also point the way for improvement.

The mid term evaluation report was presented to the Management Board in January with very positive findings. An EU verification mission visit identified some shortfalls in the reporting against the EU project resulting in improvements being made to our systems and the final report is being submitted to EU in 2010.

B. ACTIVITIES AND INDICATORS FOR EACH OUTPUT AREA

Output 1: Delivery of Capacity Building

Overview

2,695 people (40%female) have been engaged through capacity building activities that took place in around 70 training courses, workshops and seminars covering many different aspects of water management and water use. The bulk of the capacity building is on water resources management and climate change and a good proportion of it addresses practical issues such as GIS and remote sensing, information management, data management and teacher training.

It can be seen that capacity building actions have clearly moved on from general IWRM issues and more into depth with specific subject areas of water management. However it is also clear that there is a demand for even greater depth and detail for increased relevance to immediate application on the ground. For example, while economic and financial management is an exceedingly popular subject there is a demand both from the ground and from partners (EU FWG) to go into detail of financial planning and management for water supply and sanitation planning and for financing river basin organisations. In some respects Cap-Net actions have been ahead of the demand and have served to focus attention on important issues. This is a role that Cap-Net should continue to play.

The monitoring report provides information on quality of course delivery and outcomes. 80-95% of course participants apply knowledge from the course, share it with colleagues at work and/ or share the knowledge with other organisations.

Output 1.1 Capacity building for water services

In 2009 over 300 decision makers, water managers and stakeholders managing water supply and sanitation, water for food, or water for environment have improved knowledge and/or skills regarding sustainable management and development of services based on IWRM principles.

Capacity building for water users	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
IWRM and water and sanitation.	Nile IWRM net, Kenya, Ethiopia, WaterNet, Zimbabwe. LA-WETnet x 2, Peru; Cap-Net Lanka Cap-Net, South Africa	54,381	46,412	10 courses, 1 meeting, 1 e-discussion, 337 people trained. 9 utilities develop WSP.
Regional course on wetland resource management	Cap-Net South Asia	13,600	0	2 course, 69 people trained.

Capacity building for water users	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
IWRM and food security	Nile IWRM net, Burundi	0	10,764	1 course, 43 participants.
Seminar Water with Life, Life without Water	CapNet-Brasil, Brazil	0	0	1 seminar, 60 participants
		67,981	57,176	

In water supply and sanitation we are working from two perspectives WASH planning being one and water utilities being the other.

WASH planning has been in focus for some time and has benefited from 3 training courses on WASH planning and IWRM, several case studies on the sector wide approach in WASH (see section 3.2), and two planning meetings with partners. Participation in a Sanitation and Water for All (SWA) meeting at the second Africa Water Week highlighted the importance of capacity building in WASH planning and

collaboration with SWA as well as the UNDP GoAL WASH programme will provide one avenue for implementation of new capacity building initiatives. Linked to this in 2010 will be new materials on financial planning for WASH, with the EU-FWG, which is expected to be critically important in assisting effective planning in the WASH sector.

Water utilities provide a good example of the benefits of working through institutions for immediate relevance and implementation. (see box). After much planning a course was held on water safety plans for 9 utilities at Rand Water in Johannesburg. Principle partners were UN-Habitat, IWA and Rand Water. The original manual was developed by WHO and IWA and Cap-Net developed the training programme. This was very successful (with co-funding from the participants) with the development of a draft WSP during the course. An e-discussion was held 2 months later showing that several of the utilities had made good progress in further development of

Case study – Institutional strengthening.

Lesson: Developing institutional capacity can be carried out in a way that improves chances of substantial impact.

The purpose was to assist water utilities to improve their service delivery by adopting the Water Safety Plan approach developed by WHO and IWA.

The approach had three key elements to increase likelihood of action:

- A team of three people from 9 utilities were brought to training on WSP – forming the nucleus for future action;
- The training activity involved the development of a draft WSP for their own utility and identified action points to complete the WSP;
- The utility paid the costs of staff travel – shows commitment;

A follow-up at two months already showed significant impact among the 7 utilities responding; 7 made presentations to top management; 6 appointed an expanded WSP team. Other actions included training of the team; presentations to utility staff and Management Board; development of budgets. At 6 months there were many actions on the ground directly impacting water supply to communities.

the plan. 3 more courses are being planned for 2010 with the demand even higher. Linked to the work with utilities is the expansion in 2010 with UN-Habitat to take up water demand management. Collaboration with UNESCO-IHE, IWA and UN-Habitat will take forward in 2010 a draft plan for a specific capacity building network for water utilities.

Work in other water use areas has been limited with one course on agriculture and one on the environment. These are clearly weak areas of attention in water resources management and Cap-Net is already in discussion with UNEP and other partners to develop a programme of action on the environment and water in 2010.

The output objective in terms of the number of people reached was met and the strategy of working with water utilities has already resulted in a downstream training of many people.

Output 1.2 Capacity development in Basin Management

In 2009 Capacity to apply IWRM in a basin management approach has been strengthened for 60 water managers and stakeholders in 10 countries in Latin America, Africa and Asia and experience is being documented and shared between countries.

Capacity building in basin management	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
Information management to support River basin operation	AguaJaring, Malaysia	4,359		1 course 15 people trained, 1 country.
River basin management, indicators.	Arg Cap-Net Argentina; AguaJaring Thailand; CK-Net Indonesia; MyCBnet Malaysia; WaterNet Mozambique	33,744		6 courses, 153 people trained, 14 countries
Strategic Integrated Environmental Assessment for River Basin Management	CapNet-Brasil, Brazil	15,000	0	1 course, 28 participants
		53,103		

Training materials in River Basin Management were developed in 2008. Since that time use of the materials has been steadily increasing, possibly representing the fact that more IWRM reforms are reaching the stage of management at the river basin level. The RBO manual is one of the top materials downloaded from the Cap-Net website and has now been translated into Portuguese, French, Spanish, Indonesian, Khmer and Thai.

Training has usually been targeted at staff of river basin organisations and reached many river basins across the 14 countries. The planned output for the year has therefore been exceeded.

Output 1.3 Education for improved water management

Revised curricula and new educational programmes, including distance learning opportunities, have been introduced in member universities and institutions of networks to address sustainable management and development of water resources and water supply, sanitation and health.

Capacity building in Education	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
Schools (teacher training)	LA-WETnet, ArgCapNet, (Argentina) Lanka CapNet (Sri Lanka)			9 seminars held, 1 manual produced. 333 teachers reached
Distance learning (economics and IWRM)	ArgCapNet, (Argentina)	3,650		43 participants from 8 countries. 2 e-courses.
IWRM Masters education	ArgCapNet, (Argentina) WaterNet (Southern Africa)	6,000	35,444	3 Universities running Masters programme 2 MSc scholarships
		9,650	35,444	

Targeting schools is an important means to help the next generation manage water resources better. LA WETnet, and Arg Cap-Net in Latin America and Cap-Net Lanka in Sri Lanka are particularly active with teachers and schools.

Several courses were carried out in Argentina (Buenos Aries, Mar del Plata and Santa Fe) after which teachers and students held a meeting where 13 working groups of students presented their research.

In Sri Lanka CapNet Lanka held 3 seminars for Master Teachers on water in collaboration with the Education Ministry and technical agencies. "We are now able to think what we unable to think before" said one participant. The collaboration ensured commitment and importance is attached to the programme, teachers go back to use the knowledge in teaching water related subject to advanced level students.

Three e-learning courses have been held by Arg CapNet bringing together participants from across Latin America. The e-learning programme is hosted through the Cap-Net Spanish website and has grown from the first programme held in 2008. In addition, e-learning carried out by UNESCO-IHE is based on the climate change materials jointly developed by Cap-Net, UNESCO-IHE and WMO.

IWRM masters programmes developed by the networks are largely self sufficient and run by universities. In Argentina the network continues to play a role by facilitating the sharing of lecturers and materials across the three participating universities. Students come from a diverse background of technical skills and organisations.

Output 1.4 Capacity development in IWRM

In 2009 in partnership with capacity building networks 800 water managers and stakeholders from over 20 countries are trained in IWRM, conflict resolution and how to enable public participation through a participatory approach.

Capacity building in IWRM	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
Climate change and water resources; and sector planning; IWRM and CC adaptation; Hydroclimatic disasters; Urban flood management; Integrated Flood Management Community flood management.	WaterNet and CapNet-Brazil (Mozambique); WaterNet (South Africa); CK-net, AguaJaring (Indonesia), LA-WETnet x 2 (Peru, Ecuador), Nile IWRM-net (Uganda); MyCBnet x2 (Malaysia); ArgCapNet (Argentina); CapNet Brasil (Brazil); Caribbean Waternet x2 (Trinidad, Guyana)	111,765	40,568	16 activities held, 768 people, 33 countries
Economic and financial instruments	WA-Net (Mali, Nigeria),Caribbean Waternet (St Kitts, St Lucia, one regional one national), Nile IWRM-net Tanzania; ArgCapNet, Argentina; LA-WETnet, regional; LA-WETnet, Peru.	11,941	86,124	10 courses held, 31 countries, 239 people.
Groundwater management	AGW net (Senegal, South Africa, Ghana, Tanzania)	6,557	94,682	4 courses, 84 people, 26 countries
Other IWRM subjects: Information management/ GIS; Water Policy, Gender; Conflict resolution; IWRM plans and principles; Pollution management. Symposium; Water Integrity and Accountability	Nile IWRMnet (Ethiopia); Cap-Net Lanka (Sri Lanka); Arg CapNet x4 (Argentina); Capnet Brasil (Brazil); WA-Net (Niger); Caribbean Waternet (Guyana); AguaJaring (Malaysia); Nile IWRM Net x 2 (Kenya); LA WETnet x 2 (Bolivia, Venezuela); Cap-Net Pakistan x5 (Pakistan); WaterNet/SIWI/UNDP-WGF (South Africa)	219,737	87,693	21 courses held, 619 people reached in 53 countries.
		350,000	309,067	

Over 1400 people have been reached with capacity building on IWRM subjects in this output area. Across many countries and many aspects of water resources management.

The materials developed by Cap-Net and partners on climate change was very timely and in place to meet the growing demand for knowledge in this area. Apart from general material on IWRM and Adaptation to Climate change there are materials on flood management and on hydroclimatic disasters. The large number of courses reaching 768 people in 33 countries shows the scale of influence of the programme. A good example of impact was the support (with WMO) to the Department of Irrigation and Drainage in Malaysia to revise their national flood management strategy. More work is planned in 2010 to extend and deepen capacity development on aspects of climate change and water.

Economic and financial instruments in water management is also a subject in high demand and the materials are being used beyond the Cap-Net programme (see also the Monitoring Report). We are now receiving requests to take this forward and address specific aspects in more depth.

Groundwater management has been a neglected aspect of water resources management. The facilitation of a network on groundwater in Africa in 2008 is now resulting in a very strong network with many partners interested in cooperating in their programme. In 2009 one such course was held in partnership with the Southern Africa Development Community (SADC) to reach the Project Steering Committee members of the SADC Groundwater Management Project. The collaboration of Cap-Net and the groundwater network with GW-Mate (World Bank groundwater project) has been invaluable in providing the basis for the development of a new training package on groundwater management building the linkages between IWRM and groundwater management.

WaterNet conducts a symposium annually with its own support and is not reported here. The Sri Lankan network, CapNet Lanka, held a one day symposium for water professionals with a panel discussion on the role of institutions in water resources management followed by 15 research papers.

Many other aspects of IWRM capacity building have been addressed according to identified needs and priorities on the ground. While they have been pooled together in the above table they do reflect some interesting emerging issues that will need more attention in future capacity building. One such issue is information management whose relevance is increasing with improving water resource management systems and also as a basis for identifying and managing climate change impacts on water.

Output 2: Strengthening the Network

Overview

The global network is quite stable with occasional new additions. Networks remain committed as shown from the annual network managers meeting and their outputs although they do go through transformation from time to time as leadership changes. Training of trainers has assisted dissemination and replication of new initiatives by supporting network members to strengthen their knowledge in a particular subject and over 60 trainers have been trained. There is also a significant amount of sharing expertise between networks and collaboration in materials development. Networks continue to receive core support and have differing levels of output. This part of the programme continues satisfactorily. Initiatives have started to promote the formation of a capacity building network for water utilities and this has the support of UNESCO-IHE, UN-Habitat and IWA.

International partners are becoming increasingly important actors in the Cap-Net programme keeping our activities in line with both international as well as local priorities. The Secretariat recognises the benefits of collaboration with international actors and so actively seeks partnership with experts in specific fields of interest. At the same time Cap-Net is increasingly being approached by partners recognising the benefits that Cap-Net offers.

Promotion of the programme has taken place through the 4th World Water Forum in Istanbul, the World Water Week in Stockholm and the 2nd Africa Water Week in Johannesburg. This could always be given greater attention but is very time consuming.

Output 2.1 Training trainers

In 2009, 25 regional and country capacity building networks and their members have increased knowledge and competence with an inclusive multidisciplinary membership to provide capacity building services addressing water resources management and water supply and sanitation of appropriate quality to water managers and water users at various levels.

Training of trainers	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
Climate change and water resources	WaterNet (South Africa) NBCBN (Egypt)	3,049	21,175	28 participants, 12 countries.
Integrated Flood Management	CK-Net, AguaJaring (Indonesia)	15,915		16 participants, 4 countries.
Integrity and accountability in water.	Cap-Net, WaterNet (South Africa)	48,968	14,000	36 participants, 21 countries
		67,932	35,175	

Training of trainers has taken place on two new subject areas (integrated flood management, and integrity and accountability in water management) that are in the process of materials development and testing. Cooperation with the UNDP Water Governance Programme and the Water Integrity Network are central in the development and implementation of the water integrity capacity building.

An interesting aspect to strengthening the skills and knowledge of members has been the movement of experts from a network across countries and regions to assist with facilitation of training activities. This transfer of knowledge is also beneficial to the trainer who gains from the experience and exposure.

Output 2.2 Network development

In 2009, at least 20 regional and country capacity building networks have developed work programmes and partnerships which focus on priority development activities and support implementation of sustainable water and sanitation services and water management systems.

Capacity building in IWRM	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/ DGIS	EU	
Core support	LA-WETnet, Nile IWRMnet, AGW-net; Lanka Capnet, Bangladesh Capnet, Cap-Net Pakistan, CapNet Brasil, ArgCapNet, Caribbean Waternet, AguaJaring, REDICA, WA-Net, Cap-Net South Asia.	112,915	56,572	13 networks receiving core support.
		112,915	56,572	

Networks that do not have core support from other sources tend to draw on Cap-Net for assistance. In some cases allocations have been increased in line with the recommendations of the evaluation. Some networks have had difficulty in defining a suitable host institution which has caused delays or constraints in support.

Network indicators have been finalised in the MELP document and applied to all networks in 2009. The tool shows a ladder of achievement of networks and assists to identify action areas for the networks and for Cap-Net. (See the monitoring report).

The three indicators scoring highest were:

- Network competence in capacity building recognized by other stakeholders
- People are being trained/educated
- Membership list available and up to date with member expertise

And the three lowest scoring indicators were:

- Planning and implementation of activities draws from lessons learnt during evaluation
- Data base of client agencies available
- Strategy is available and addresses financing

Output 2.3 International cooperation in capacity development

Cooperation with international and regional organisations is improving the impact of their programmes, bringing resource support to networks and increasing the effective and sustained delivery of relevant skills and knowledge to water managers and users on the ground.

Organisation	Collaboration
WMO/APFM	Flood Management , Climate Change
GWP	IWRM
UNESCO-IHE	Climate change, utilities.
SIWI/ WIN/ UNDP Water Governance Facility	Water Integrity
UN-Habitat, IWA	Water utilities
SEI	Sustainable sanitation
International Foundation for Science (IFS)	Research
GWA	Gender
World Bank – GW-Mate	Groundwater management in Africa
EU-FWG	Development of capacity building on financial planning.
DHI	Training

Collaboration with international partners has been gaining in strength from year to year and is likely to be a main area of growth for the programme. With a global reach and a focus on capacity building through local institutions Cap-Net is providing a framework for scaling out that international organisations cannot achieve by themselves.

A collaboration agreement has been signed with UNESCO-IHE and with the Water Integrity Network WIN while another is under discussion with GWP. Other partnerships are conducted on an activity basis.

Through a formal agreement with WMO Cap-Net joined the Helpdesk for Integrated Flood Management, a partnership programme to provide quick access to flood management information and guidance for reform to integrated flood management. Cap-Net is the capacity building partner in the IFM Helpdesk.

In terms of outputs the international partnerships have been very effective. WMO and Cap-Net have ongoing collaboration in support to capacity building actions on the ground around climate and a particularly good example was the support to Malaysia to review their national flood management strategy. UN-Habitat and IWA were key partners in establishing a capacity building support for water safety plan development in water utilities which is expected to develop into a very active programme. Alongside this UNESCO-IHE is joining in to support the development of a capacity building network for water utilities. GW-Mate and the German BGR have been strong supporters and partners in the development and implementation of new groundwater management materials and capacity development actions. GWP has been partnering in the implementation of the EU water facility project and a new MOU will help to focus new areas of collaboration in 2010.

There are other specific collaboration actions that could be described but are reflected in outcomes elsewhere in the report.

Output 2.4 Communication, promotion and information exchange

The global network is bringing cooperation, synergy and coherence to capacity building in water resources management and water supply and sanitation through joint programmes and communication.

Activities	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/DGIS	EU	
World Water Forum/ WWW	Presentations at World Water Forum, Istanbul; WWW Stockholm. EU meeting, Stockholm. 2nd Africa Water Week, Johannesburg.	30,363	27,494	3,000+ CDs distributed and many requests for materials. EU final meeting held in Stockholm
Managers meeting,	Managers meeting (2009),	63,948		Network Managers meeting held in Tobago.
Communications, Network exchange	Newsletter, network attachments.	27,394		5 newsletters, 2 network attachments.
		121,705	27,494	

The WWF5 provided an opportunity for visibility of Cap-Net and our products. Many materials were distributed and also many requests made subsequent to the Forum. There was greater involvement of Cap-Net in the World Water week at Stockholm where we

- were co-organisers of a seminar on climate change
- held a side event to discuss lessons learned from the EU project;
- Held a closing meeting on the EU project with partner networks and GWP
- Exhibition Booth with UNDP
- WIN seminar and meetings
- GWP consulting partners meeting

The network managers meeting was hosted by Caribbean Waternet in Tobago with 20 participants from the networks, Cap-Net and UNDP. Particular attention was given in the meeting to:

- The project proposal/plan for the next phase of Cap-Net;
- The monitoring report and interpretation of the results;
- Network management tools;
- Institutional future of Cap-Net;
- How we can do better.

During the year three network attachments visited the Cap-Net secretariat seconded from their networks in South Asia and Malaysia. They assisted with various Cap-Net tasks while also developing work plans for their own networks.

Output 3: Knowledge Management

Overview

Knowledge development has progressed very effectively this year and several products are completed. Of interest is the number of materials arising directly from the work of the networks where we can see a schoolbook, a You-Tube video and several manuals. The use of the website to promote networks and as a base for good dissemination of activities and network competence is progressing but could still be more effective. The data from monitoring shows that the Cap-Net website is receiving more hits and the number of downloads is increasing (Monitoring report). Many networks remain without a website and hence have limited information sharing capability. Some changes have been made by Cap-Net to follow the advice of the evaluation and others are still continuing to be implemented.

Network assessment indicators have been developed and piloted in some networks preparatory to adoption and a knowledge base of network members has been initiated – both recommendations from the evaluation. The monitoring, evaluation and learning tools (MELP) have been printed, distributed to networks and are being implemented to increased effect. A wide array of data has been compiled using the MELP tools to prepare a draft Monitoring Report. There is much of interest in the report and it will be finalised as part of the completion report for Cap-Net phase 2.

A knowledge map of members and expertise has been initiated with over 500 trainer details on line – approximately a quarter of network membership. More work will be put into further development but it has already proven a useful tool.

Output 3.1 New training materials developed

In 2009 at least 4 Training, educational and awareness materials and new methods are developed, accessible, adapted to local experience and knowledge and use innovative approaches to address implementation of water resources management, water supply and sanitation services and water governance.

Training materials development	Partners	Expenditure (US\$)		Results
		Sida/DGIS	EU	
Legislation for IWRM	Cap-Net. LA-WET net, University of Dundee.	12,118	10,116	Completed
Urban Flood Management in the context of IWRM	Brasil Cap-Net, RHAMA	0		Under review
Hydro-Climatic Disasters and Integrated Water Resources Management	Nile IWRM net Kenya, Cap-Net, UNOCHA, ISDR	21,115		Completed, online
Integrated Water Resources Management (IWRM) as Tool for Adaptation to Climate Change	WMO, UNESCO-IHE, Cap-Net	25,519	29,277	Completed, online
Development of the water channel – videos on line	UNESCO-IHE, Meta Meta	6,970		Completed, www.thewaterchannel.tv
Developing the capacity of Academia for the practical implementation of IWRM in Malaysia	Malaysia Capacity Building network	0		Completed: Training module, Manual, CD
Developing the capacity of NGOs for the practical implementation of IWRM in Malaysia	Malaysia Capacity Building network	0		Completed: Training module, Manual, CD
Book, Water treatment for domestic water supply for school children.	Developed by CapNet Lanka.	5,000		Final draft
Integrated flood management for South East Asia region	CK-net, AguaJaring, IHE Indonesia, WMO, Cap-Net, World Bank	0		Under review
Film, Sand mining	Women & Water Network, Cap-Net Lanka, LWP	0		Completed http://www.youtube.com/watch?v=S3U4dwMPcsE
Water Safety Plan Training Course Book and PPT slides.	Univ. of Minho,	5,796		Completed

Training materials development	Partners	Expenditure (US\$)		Results
		Sida/DGIS	EU	
Las Miradas del Agua (Water Perspectives.)	LA-WETnet, Hora Agua	0		Completed
Groundwater Management	AGW-net, Cap-Net, GW-MATE	9,298	6,718	Completed
Water integrity and accountability	SIWI, UNDP, WIN, WaterNet	0		Under review
Translations and reprinting		23,228		
		109,044	46,111	

Materials development is progressing satisfactorily with various partners. More materials are being translated in line with the recommendations of the evaluation and in 2009:

- River Basin Organisation materials have been translated into French, Spanish, Portuguese, Khmer and Indonesian;
- Climate change materials translated into Spanish, French and Portuguese;
- Conflict resolution materials translated into French and Spanish.

There is also increasing numbers of materials being developed at the initiative of the networks specific to the local context but also of value to other networks and beyond e.g. in the table above materials from Argentina, Sri Lanka and Malaysia. Our first you-tube video from Cap-Net Lanka can be viewed at <http://www.youtube.com/watch?v=S3U4dwMPcsE>.

The demand for materials has increased in terms of requests but also in terms of downloads from the web. Materials on Economic instruments and on River basin Organisations were the two with the highest download figures in 2008 and in 2009 this changed to Conflict Resolution as the highest followed by the River Basin Organisation materials.

Output 3.2 Case studies

Case studies, lessons learned and best practices relevant to capacity building are documented and shared contributing to knowledge development through applied research.

Activities	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/DGIS	EU	
4 Case studies on IWRM and water supply and sanitation.	Streams of Knowledge, WaterNet	2,500	19,692	4 case studies completed - Africa and the Philippines.
Study on the Progress and evolution water resources management reforms.	Nile IWRM-net, Kenya	6,565		Case study and seminar
Study on impacts of cyclone Sidr on water supply and sanitation in Bangladesh.	CapNet-BD, Bangladesh			Case study report
		9,065	19,692	

The case studies are helping to inform the water and sanitation capacity building actions and assessment of the rate of progress of IWRM. The Water and sanitation case studies are also addressing the relevance of the sector wide approach in water and sanitation planning. The results will be key to the next step of developing capacity building materials and actions on WASH planning.

Output 3.3 Website management and publication

A knowledge management system and strategy is in place both for networks and as a tool for supporting capacity development of water management organisations.

Activities	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/DGIS	EU	
Websites developed and maintained.	Cap-Net Spanish and English; AguaJaring; LA-WETnet; AGW-net	2,054		Cap-Net Spanish and English websites working effectively and being improved. Water Channel developed. New website for LA-WETnet. New web site for AGW-net drafted, about to be launched.
Promotional materials printed and distributed.	CDs, posters, brochures	20,101	1,725	Tutorial re-issued; CDs and printed materials distributed; new Cap-Net posters issued; material designed.
		22,155	1,725	

Materials are being widely distributed. Direct requests received from the public have trebled in 2009 and are from over 40 countries. Requests are mainly from educational institutions, individuals, development agencies and government departments.

In partnership with MetaMeta and UNESCO-IHE, Cap-Net is engaged in the development of an online repository of water management relevant video material (www.thewaterchannel.tv). The materials can be used for training and educational purposes and discussions have been initiated to issue the same on DVD for people with limited internet access. The site is additional to the one developed also with MetaMeta with templates, pictures and guidance for presentations (www.knowwiththeflow.org).

Output 3.4 Monitoring and evaluation

Monitoring and evaluation plan is implemented and used to assist with measuring a) the impact of, and need for, capacity building; b) the attention to poverty, gender and environmental sustainability within capacity building, and c) to provide feedback for improvement on the quality and relevance of the work being done.

Activities	Network/ Location/ number of activities	Expenditure (US\$)		Results
		Sida/DGIS	EU	
Monitoring system implemented in Cap-Net and networks, including peer review.	All networks requested to carry out follow up	24,494	25,716	Monitoring report produced
Indicators developed for network performance.	Sample of networks	0		Indicators implemented
		24,494	25,716	

The monitoring evaluation and learning plan has been finalised, printed and circulated to networks. The MELP is being implemented and course follow up completed. Data have been compiled on activities (Annex 1), distribution of materials and indicators have been developed for network progress. A data base of network members is now available on the Cap-Net website and is gradually being populated. This provides ability to identify people by skills, gender, location and network.

The indicators of network performance have been finalised and applied by Cap-Net for each network.

All the MELP data have been collected and compiled into a monitoring report (draft). The report is very informative and provides many insights into the programme. The report was discussed at the managers meeting and will be finalised in the first half of 2010.

C. EVALUATION FINDINGS AND RESPONSES

Overall we were pleased to receive a positive evaluation and also some useful advice. Actions have already been taken on several important issues and these are briefly:

- Development and testing of indicators of network development has been completed and applied to all networks.
- The Monitoring, Evaluation and Learning Plan (MELP) has been printed.
- The monitoring tools have been applied and a monitoring report drafted.
- A knowledge map of network skills is being developed. A section of the website has been used for network membership data by network, skill, location and gender. This is gradually being compiled and each network site on Cap-Net website will have a link to their member data.
- Additional funds have been set aside for support to network website development and more materials are being translated.
- Increased emphasis is being given to working with water management institutions and functions as a means to increase relevance of capacity building actions and impact on the ground.
- The project proposal for another phase is in draft form and addresses the long term future of Cap-Net.

Following a visit by the EU verification mission we have taken the following action:

- Created a verifiable chain linking the expenditure in the UN ATLAS financial system to the budget reporting framework of the EU project.
- Reviewed the filing system to consolidate separate filing systems to bring together in one file the contract; the technical reports; the financial reports and the payment vouchers for ease of access and verification.

D. BUDGET AND REALISATION

	Budget		Expenditure			
By objective and output.	Sida and DGIS	EUWF	Sida and DGIS	EUWF	Total Budget	Total Expenditure
1. Delivery of capacity building						
1.1. Capacity strengthened in water and sanitation and other water use areas.	195,000	210,000	67,981	57,176	405,000	125,157
1.2. Capacity strengthened in catchment management.	75,000	45,000	53,103	0	120,000	53,103
1.3. Revised curricula and new educational programmes.	27,000	25,000	9,650	35,444	52,000	45,094
1.4. Training in IWRM planning, conflict resolution and participation.	570,000	210,000	350,000	309,067	780,000	659,067
Subtotal	867,000	490,000	480,734	401,687	1,357,000	882,421
2. Strengthening the networks				0		0
2.1. Network members strengthened.	155,000	65,000	67,932	35,175	220,000	103,107
2.2. Network work planning and coordination.	243,000	112,000	112,915	56,572	355,000	169,487
2.4. Global network effective.	110,000	51,000	121,705	27,494	161,000	149,199
Subtotal	508,000	228,000	302,552	119,241	736,000	421,793
3. Knowledge management				0		0
3.1. Materials and methods developed, accessible, adapted and used.	183,700	120,000	109,044	46,111	303,700	155,155
3.2. Lessons learned and best practices are documented and shared.	59,500	50,000	9,065	19,692	109,500	28,757
3.3. Knowledge management system established.	60,000	25,000	22,155	1,725	85,000	23,880
3.4. Monitoring and evaluation plan implemented.	25,000	0	24,494	25,716	25,000	50,210
Subtotal	328,200	195,000	164,758	93,244	523,200	258,002
4. Global Secretariat				0		0
International Staff	298,500	116,500	237,169	113,464	415,000	350,633
Local staff	114,400	35,600	79,694	35,452	150,000	115,146
Office and operational costs	15,068	25,392	25,009	14,944	40,460	39,953
UNOPS	50,032	12,508	43,806	10,423	62,540	54,229
Management board	5,000	0	9,563	0	5,000	9,563
Subtotal	483,000	190,000	395,241	174,283	673,000	569,524
Grand total	2,186,200	1,103,000	1,343,285	788,455	3,289,200	2,131,740

The contributions from Sida have been completely expended. The EU project ended in August and final payments are being made as final reports are submitted. Funding from DGIS will form the main source of funding until mid 2010. Budget constraints arose in the middle of the year coming from a late request for funds from The Netherlands, and the same problem arose at the end of the year.

E. CONCLUDING REMARKS

The output of 2009 is in accordance with the work plan and has been fully achieved in most areas although at a lower than expected expenditure. The development of Cap-Net continues with a deepening of the capacity building actions, getting closer to the ground and immediate capacity needs while at the same time providing leadership in areas that are emerging as important. International agencies are increasingly approaching Cap-Net for partnership and this demonstrates that we are finally getting closer to the objective at the outset of the project to create a framework for capacity development initiatives to scale up, reach out and have impact on the ground. These partnerships at the international level are important to the future and relevance of Cap-Net but only if we can keep the appropriate balance with needs on the ground as represented by our partner capacity building networks.

The production of a monitoring report and various evaluation outputs have given the opportunity for a closer look at the programme and areas where it can be improved. These are already being implemented and others are being carried forward into the work plan for 2010.

It is pleasing to note that Cap-Net has been able to attract continued support in these difficult economic times and in 2010 we will see an overlap between the end of the present phase and the beginning of a new one.

ANNEX 1: LIST OF ACTIVITIES

MONITORING SHEET, NETWORK ACTIVITIES 2009

Training / Education Courses

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
1.1	CB for Water users						
1.	Regional workshop on wetlands resources management	5-7 May	Bangladesh,	6	21	27	Cap-Net South Asia
2.	Integrated Water Resources Management for Sustainable Water, Sanitation, Hygiene (WASH).	18-21 May	Kenya (national)	7	22	29	Nile IWRM-net, WSPA, WSTF, UNICEF, WRMA
3.	Workshop on IWRM for sustainable food security	18- 21 Aug	Burundi,	0	0	43	Nile IWRM net
4.	Regional training course on IWRM and WASH	06-10 July	Ethiopia, Burundi, DR Congo, Cameroon, Kenya, Madagascar, Rwanda, Sudan, Tanzania, Uganda	8	22	30	Nile IWRM Net
5.	Training course on "bridging the gap between water & sanitation and IWRM"	Jul 14-17	Peru, (Cochabamba)	11	29	40	LA-WET Net, COSUDE
6.	IWRM and WASH	3-7 August	Zimbabwe	5	17	22	WaterNet
7.	Wastewater management issues and solutions for semi-urban areas.	11th August	Sri Lanka	0	0	43	CapNet Lanka

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
8.	Training course on "bridging the gap between water & sanitation and IWRM"	Aug 18-21	Peru (Cajamarca)	15	27	42	LA-WET Net, COSUDE
9.	Training course on Water Safety Plans for water utilities.	21-25 Sept	South Africa, Kenya, Malawi, Ethiopia, Ghana, Namibia, Zambia, Uganda.	3	26	29	UN-Habitat, Rand Water, IWA, AFWA
10.	Water with Life, Life without Water Seminar	4-5 Nov	Brazil	28	32	60	CapNet Brasil, SESC, UGF-Biology
11.	Training on watershed conservation for sustainable water supply and sanitation.	23-27 Nov	Sri Lanka	0	0	42	Cap-Net Lanka
1.2	Capacity in Basin Management						
12.	Workshop on Info Management to support water management in River Basin	15-16 Jan	Malaysia	5	10	15	Aqualaring
13.	Water for the Future: constructing basin management indicators and scenarios.	23-26 June	Mendoza, Argentina	23	12	35	UNCuyo, CELA-INA
14.	Strategic Integrated Environmental Assessment for River Basin Management	20 – 25 July	Brazil	17	11	28	Cap_net Brasil, APEUR, FEEVALE
15.	ToT on IWRM as a basis for RBO	27-31 July	Malaysia, Indonesia, Vietnam, Myanmar, Cambodia, Lao PDR, Philippines, Thailand,	14	10	24	Aqualaring,
16.	Training course on IWRM for RBO	16-20 Nov	Indonesia	17	11	28	CK Net

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
17.	IWRM implementation in River Basins	16-17 Nov.	Malaysia			20	MyCBNet, MyCWP, DID
18.	Training course on River Basin Management: Participatory Approaches and Economics for Sustainable Water Resources Management	16-20 Nov	Mozambique, Angola, Rwanda, Malawi.	6	16	22	Waternet, Gorongosa Restoration Project.
1.3	Revised curricula and new educational programmes						
19.	Training for Master Teachers on IWRM	25, 26 May	Sri Lanka	131	102	233	Cap-Net Lanka, Department of Agriculture, National Institute of Education (NIE) and National Water Supply and Drainage Board
20.	IWRM Masters education	1 year	Argentina			0	3 Universities
21.	Education on water in the school. 6 Seminars.	14, 23 June	Argentina			100	LA-WETnet, ArgCap-Net
1.4	Capacity developed in IWRM						
	Climate change						
22.	Climate change and water resources.	26-30 Jan	South Africa, Botswana, DRC, Kenya, Malawi, Lesotho, Mozambique, Namibia, Swaziland, Uganda, Tanzania, Zimbabwe.	12	16	28	WaterNet, Univ KZN,
23.	Seminar, Flood management and climate change	23 Feb	Indonesia, Malaysia, Philippines, Thailand, Netherlands, Switzerland			57	Agualaring, WMO, CK-net, IHE Indonesia

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
24.	TOT, Integrated flood management.	24 – 28 Feb	Indonesia, Malaysia, Philippines, Thailand	7	9	16	IHE Indonesia; Agualaring, WMO, CK-net
25.	Urban Flood Management	1 – 2 Apr	Brazil	20	28	48	Cap-Net Brasil, HidroEx, UNESCO Regional Centre, Secretariat for Science and Technology in Minas Gerais, Fundação Centro Tecnológico de Minas Gerais
26.	Climate change as a tool for IWRM	20-24 Apr	Peru, Argentina, Bolivia, Ecuador.	10	45	55	La WET Net
27.	regional training course on IWRM as a tool for Adaptation to Climate Change	25-29 May	Uganda, Kenya, Tanzania, Sweden, Denmark, Ethiopia, Rwanda, DR Congo, Eritrea, Burundi	10	35	45	Nile IWRM Net, CC-DARE, DHI.
28.	Training course on Climate Change for Lusophone Countries	27-31 July	Brasil, Angola, Sao Tome, Mozambique,	13	17	30	GWP-SA, Waternet, CapNet-Brasil
29.	Integrated Flood Management Workshop	10-12 Aug	Malaysia	3	36	39	MyWP, WMO, DID
30.	Integrated flood management for Stakeholders, Seminar	13-14 Aug	Malaysia			214	MyWP, WMO, DID
31.	Training workshop on IWRM & Climate Change	14-18 Sept	Ecuador	4	16	20	LA-WET net
32.	Incorporating climate change issues in water sector planning and design	18 – 20 Oct	Bangladesh	17	48	65	CapNet BD, BUET, IWM, CEGIS, BCAS, DoE
33.	Climate change and Water Resources: IWRM as a tool for sustainable management and uncertainty.	Nov 3-5	Argentina	26	18	44	Arg Cap-Net, CELA, INA

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
34.	Hydroclimatic Disasters in Water Resources Management	2-4 Dec	Trinidad	8	15	23	GWP-C, Caribbean Waternet
35.	Hydroclimatic Disasters in Water Resources Management	Nov 30 – Dec 2	Guyana	8	11	19	GWP-C, Caribbean Waternet
	Economic and financial instruments						
36.	National training course on Economic & Financial instruments	9-13 Feb	Mali	13	26	39	WA-Net, GWP
37.	Workshop on Economic and Financial Instruments of IWRM	21-24 Apr	St. Kitts (regional)			11	Caribbean Waternet, GWP
38.	Economics for IWRM (e-learning)	20 Apr – 12 Jun	Argentina, Mexico, USA, Colombia, Chile, Costa Rica, Peru.	13	16	29	Arg CapNet
39.	Economic Instruments for Policy makers	28 Apr-1 May	St. Kitts, Jamaica, Suriname, Grenada, Montserrat	5	6	11	Caribbean Waternet
40.	Regional training course on economic & financial instruments	April-May	Tanzania, Sudan, Uganda, Burundi, Ethiopia, Rwanda, Kenya	11	15	26	Nile IWRM
41.	Economic and Financial Instruments for water management.	25-28 May	St Lucia (National)	1	8	9	GWP, Caribbean Waternet.
42.	Economics instruments for IWRM	20 July-28 Aug	Argentina, Ecuador, Paraguay, Peru, Bolivia, Venezuela	8	8	16	Arg Cap-Net, LA-WET Net
43.	Course on Economics & water Management	Nov - Dec	Argentina	7	7	14	Arg Cap-Net INA-CELA; UNCuyo
44.	Economic Instruments for IWRM	5-9 th Oct	Peru (Abancay)	10	39	49	LA WET Net, MASAL

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
	Groundwater management						
45.	Training course on groundwater management within IWRM	25-29 May	Senegal, Benin, Burkina Faso, Cape Verde, Central African Republic, Cote d'Ivoire, DR Congo, Guinea, Mali, Mauritanea, Niger, Togo	10	22	32	AGW-Net, BGR, GWP
46.	Regional training course on groundwater management for water managers	06-10 July	South Africa, Nigeria, Zambia, Uganda, Kenya, Sudan, DR Congo, Ethiopia, Cameroon, Namibia.	5	8	13	AGW-Net
47.	Regional ToT on Groundwater management	27-31 July	Ghana, Mozambique, Nigeria, Niger, Zimbabwe, Ethiopia, Zambia, South Africa, Cameroon, Uganda, Malawi, Togo, D.R. Congo	5	18	23	AGW-Net,
48.	Groundwater management for SADC PSC on groundwater	16-19 Nov	Tanzania (SADC countries)	5	11	16	AGW-Net, SADC, GW-Mate,
	Other IWRM						
49.	Regional training course on open source GIS and remote sensing	26 Jan-3 Feb	Ethiopia, Burundi, Rwanda, Tanzania, Uganda, Southern Sudan, Kenya	2	17	19	Nile IWRM Net, GWP, Univ Bahir Dar.
50.	Workshop, National Water Policy for Sri Lanka: A New Initiative.	26 March	Sri Lanka	20	53	73	Cap-Net Lanka, GWP
51.	Training course on Promoting Integrity and Accountability in Water	1-3 June	South Africa, Uganda, India, Liberia, Brazil, Costa Rica, Argentina, Philippines, Indonesia, Bangladesh, Malaysia, Botswana, Zimbabwe, Malawi, Zambia, Rwanda, Tanzania, Lesotho,	15	21	36	WaterNet, SIWI, UNDP-WGF

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
			Swaziland, DRC, Mozambique,				
52.	Workshop on Introduction to IWRM	9-12 June	Argentina	10	25	35	Arg Cap-Net, FICH-UNL; INTA
53.	Mainstreaming gender in IWRM in Lusophone countries	14-20 June	Brasil, Mozambique, Cape Verde, Portugal, San Tome, Germany.	25	9	34	Cap-Net Brasil, GWA, Instituto Ipanema, MMA – SRHU, ANA, State of Pernambuco, Joaquim Nabuco Foundation, Funasa
54.	Gender and Water	27 July – 1 Aug	Niger, Benin, Cote d'Ivoire, Burkina Faso, Mali, Ghana, Senegal, Togo, Guinea,	22	21	43	WA-Net, GWA
55.	Training workshop on conflict resolution & negotiation for IWRM	15-17 July	Guyana	6	15	21	Caribbean Waternet
56.	Training course on 'Hydrologic Data Management and Modelling in South East Asia	21-24 July	Malaysia	7	16	23	AguaJaring
57.	Workshop on Knowledge and Information Management for IWRM	10-12 Aug	Kenya			26	Nile IWRM Net
58.	Training course on IWRM plans	17-21 Aug	Bolivia	3	12	15	LA-WET net
59.	X International postgraduate Training course on IWRM	Sept 28- Oct 2	Argentina, Cuba, Ecuador, Paraguay, Peru	6	5	11	Arg CapNet, IARH, UBA
60.	IWRM approaches in urban & rural contexts- launch of Women & Water network-karachi	4th Oct	Pakistan	42	4	46	Cap-Net Pakistan, Hisaar Foundation
61.	IWRM approaches in urban & rural contexts- Gulberg Town	6 Oct	Pakistan	4	43	47	Cap-Net Pakistan

No	Title	Date	Participant Country	Gender		Participants Total	Network and partners
				Female	Male		
62.	Postgraduate course on managerial tools for water resources management	5-16 Oct	Uruguay, Argentina,	8	5	13	Arg Cap-Net
63.	IWRM approaches in urban & rural contexts- Lyari Town	17 Oct	Pakistan			50	Cap-Net Pakistan
64.	Gender and water dialogue	20-21st Oct	Sri Lanka	29	5	34	Cap-Net Lanka
65.	Water and communication; basic tools for journalists.	Oct 30-31	Argentina	7	4	11	Arg Cap-Net
66.	Water Pollution Management	Nov 23-25	Kenya	9	16	25	Nile IWRM net; Jomo Kenyatta Univ.
67.	Dialogue on national water policy: towards a new initiative.	Nov	Sri Lanka			80	CapNet Lanka
68.	Water challenges and IWRM strategies in urban rural Pakistan-Punjab province	9 Dec	Pakistan	10	61	71	Cap-Net Pakistan
69.	Water challenges and IWRM strategies in urban rural- Keamari Town	19 Nov	Pakistan	55	9	64	Cap-Net Pakistan
70.	Training course on effective planning for IWRM	23-27 Nov	Venezuela, Brazil, Colombia	7	8	15	LA WET Net
	TOTAL			813	1195	2695	

Case studies

No.	Title	Date	Countries Covered	Network /partners
1.	Study on impacts of Cyclone Sidr (15 November 2007) on water supply and sanitation on coastal districts in Bangladesh	2008-2009	Bangladesh	CapNet BD, BCAS
2.	4 Case of studies on sector wide approach in water supply and sanitation	May-Aug	Bangladesh, Zimbabwe, Ethiopia, Uganda	IWSD/STREAMS
3.	Study on the Progress and evolution water resources management reforms.	20 April-23 June	Kenya	Nile IWRM net

Training Materials

No.	Title	Partner	Status
1.	Legislation for IWRM	Cap-Net. LA-WET net,	Completed
2.	Urban Flood Management in the context of IWRM	Brasil Cap-Net, RHAMA	Under review
3.	Hydro-Climatic Disasters and Integrated Water Resources Management	Nile IWRM net Kenya, Cap-Net, UNOCHA, ISDR	Completed
4.	Integrated Water Resources Management (IWRM) as Tool for Adaptation to Climate Change	WMO, UNESCO-IHE, Cap-Net	Completed
5.	Integrated flood management for South East Asia region	CK-net, Agualaring, IHE Indonesia, WMO, Cap-Net, World Bank	Under review
6.	Las Miradas del Agua (The appearance of water.)	LA-WETnet, Hora Agua	Completed
7.	Groundwater Management	AGW-net, Cap-Net, GW-MATE	Completed
8.	Water Integrity and Accountability	SIWI, UNDP-WGF, WINAgualaring, LA-WETnet, WaterNet	Under review

Meetings

No	Title	Date	Place (and Participant Country)	Gender		Participants Total	Network and partners
				Female	Male		
1.	WASH planning meeting	19-20 Jan	Pretoria (Zimbabwe, Philippines, South Africa, The Netherlands, Ethiopia, Rwanda)	5	5	10	Cap-Net
2.	Water Safety Plans	24 April	Cape Town (Kenya, Portugal, Netherlands, South Africa, Uganda, Maroc, Cote d'Ivoire, Lebanon)	4	9	13	Cap-Net, UN-Habitat, IWA, AfWA, ONEP, Rand Water, UN-ESCWA, AdP, SAAWU.
3.	Core group meeting	6 June	Kandy, Sri Lanka				Cap-Net Lanka
4.	Launch Nile IWRM Net Kenya	23 June	Nairobi, Kenya.				Nile IWRM Net
5.	Nile IWRM net members meeting	5-7 August	Ethiopia				Nile IWRM Net
6.	Network members meeting	9-10 Sept	Lima, Peru				LA-WET Net
7.	Capacity Building in IWRM in the Amazon River Basin	13 – 16 Oct	Brazil	3	3	6	Cap-Net Brasil, Argonautas, GRHAMA/UFPA
8.	Steering Committee meeting	29 Oct	Brazil	8	6	14	Cap-Net Brasil, AMA, Inter Water Programme, Ministry of Cities

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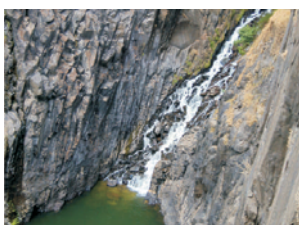
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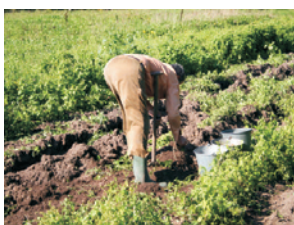
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