

SNV / Netherlands Development Organisation

**Water related
institutions
in the Netherlands**

Cor Dietvorst, IRC

January 2001

IRC International Water and Sanitation Centre

LIBRARY IRC
 PO Box 93190, 2509 AD THE HAGUE
 Tel.: +31 70 30 689 80
 Fax: +31 70 35 899 64

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AIDEnvironment

AIDEnvironment
Donker Curtiusstraat 7-523
1051 JL Amsterdam
The Netherlands
tel.: +31-20-6868111
fax.: +31-20-6866251
e-mail: info@aidenvironment.org
<http://www.aidenvironment.org>

AIDEnvironment is a non-profit foundation working as an independent research and management consulting group for nature and natural resources. AIDEnvironment has a core group of about 20 staff linked to an extensive network of experts based in the Netherlands. AIDEnvironment is also associated with a number of consulting firms in Europe and in developing countries.

Disciplines include:

- ecology, agro-ecology, aquatic ecology, marine ecology
- biology, environmental biology
- nature management, forestry, fisheries
- physical and social geography, recreation and physical planning
- environmental law and policy
- development economics, resource accounting
- political science and public administration
- education, information and communication technology

Specialization in the field of water: conservation and wise use of wetlands through: ecological assessment, integrated planning, habitat restoration and development, institutional change and promoting partnerships.

Services: 4.2 Advisory services - policy and institutional; 4.5 Advisory services - environmental

Alterra Green World Research

Alterra Green World Research

PO Box 47

6700 AA Wageningen

The Netherlands

tel: +31-317-474700

fax: +31-317-419000

e-mail: postkamer@alterra.wag-ur.nl or: g.j.jansen@alterra.wag-ur.nl

<http://www.alterra.wageningen-ur.nl/>

Alterra, the main Dutch centre of expertise on rural areas, was founded 1 January 2000 as a result of a merger between the Winand Staring Centre for Integrated Land, Soil and Water Research (SC-DLO), the Institute for Forestry and Nature Research (IBN-DLO) and part of the Research Institute for Agrobiological and Soil Fertility (AB-DLO). Alterra engages in strategic and applied research to support design processes, policymaking and management at the local, national and international level. The many themes of Alterra's research efforts include relations between cities and their surrounding countryside, multiple use of rural areas, economy and ecology, integrated water management, sustainable agricultural systems, planning for the future, expert systems and modelling, biodiversity, landscape planning and landscape perception, integrated forest management, geo-information and remote sensing, spatial planning of leisure activities, habitat creation in marine and estuarine waters, green belt development and ecological webs, and pollution risk assessment. Alterra is part of Wageningen University and Research Centre (Wageningen UR) and includes two research sites, one in Wageningen and one on the isle of Texel.

Specialization in the field of water: Alterra has eight research departments, most of which are subdivided into teams. The following departments/teams deal with water:

Department of Ecology and the Environment - Freshwater ecology

Department of Water and the Environment - Water and spatial planning and Water, atmosphere and substances

Department of Soil and Land Use - Soil, water and nature restoration

Services: 2.4 Information services - publications; 2.6 Information services - software

Aqua Nederland

Aqua Nederland
PO Box 190
2700 AD Zoetermeer
The Netherlands
tel.: +31-79-3531203
fax: +31-79-3531365
e-mail: aquaned@fme.nl
<http://www.aquanederland.com>

Aqua Nederland is the association for the water treatment industry in the Netherlands. It has 27 members. Aqua Nederland represents the associated water treatment companies vis à vis government organizations, regulators, industry and the general public. The association's focus can be summarized by the following keywords: promotion of general awareness; professional knowledge; cooperation; public affairs; and quality control.

Specialization in the field of water: water treatment

Services: 2.7 Information services - awareness raising and promotion

Aquanet bv

Aquanet bv
PO Box 1072
3430 BB Nieuwegein
The Netherlands
tel.: +31-30-6069506
fax: +31-30-6069509
e-mail: aquanet@aquanet.nl

Aquanet is a joint venture of a number of Dutch water companies, water boards and Kiwa NV. Its objective is to transfer the management, operational and research expertise of the Netherlands water sector to utilities and sector institutes in Asia, Africa, Central and Eastern Europe and the Middle East. Aquanet's services include consulting, training and private sector preparation for joint ventures.

Services include:

- sector development: enterprise performance; organizational development; quality assurance systems; planning; research, inspection and certification; formation of national associations
- technical and commercial operations: operation and maintenance; leakage detection and control; financial management
- training: courses related to utility management, research laboratories and testing/certification in the Netherlands and in-country; on-the-job training; exposure visits; training consulting
- environmental management: water resources management; production and supply; water-saving; waste reuse

Specialization in the field of water: institutional development, utility management, training and environmental protection

Services: 3.3 Education and training - short courses; 3.4 - Education and training - tailor-made courses, study tours; 4.2 Advisory services - policy and institutional; 4.3 Advisory services - technical

AquaSense

AquaSense bv
PO Box 95125
1090 HC Amsterdam
The Netherlands
tel.: +31-20-5922244
fax: +31-20-5922249
e-mail: info@aquasense.com
<http://www.aquasense.com/>, <http://www.aquasense.nl/>

AquaSense started in 1986 as a spin-off from Amsterdam University. AquaSense offers expertise in the following sectors: freshwater; marine and coastal systems; soil and groundwater; and industry and substances. Clients include governments, non-profit organizations, research institutes, universities, water boards, water companies, insurance companies and various industries, both in the Netherlands and abroad. The AquaSense group consists of AquaSense Advies bv (100%), AquaSense Lab bv (100%), Tripos bv (50%) and EcoSys bv (49%). AquaSense Advies has three product groups: Operational monitoring, modelling and ICT; Ecological risk assessment; and Ecology and ecological engineering.

Specialization in the field of water: bio-diversity and monitoring of water systems

Services: 4.5 Advisory services - environmental

Aquatech Business Media

Aquatech Business Media

PO Box 77777

1070 MS Amsterdam

The Netherlands

tel.: +31-20-5491212

fax: +31-20-5491893

c-mail: aquatech@rai.nl

<http://www.aquatech-rai.com/>

Aquatech Business Media is active in international water industry communications and organizes exhibitions and events, publishes magazines and directories, and offers Internet advertising on their web site.

Specialization in the field of water: water industry trade exhibitions and publications

Services: 2.4 Information services - publications; 2.7 Information services - awareness raising and promotion

ARCADIS Euroconsult

ARCADIS Euroconsult
PO Box 441
6800 AK Arnhem
The Netherlands
tel.: +31-26-3577111
fax.: +31-26-3577577
e-mail: euroconsult@arcadis.nl
<http://www.euroconsult.nl/>

Part of the ARCADIS group, ARCADIS Euroconsult is an international consulting company with a staff of about 300, including civil engineers, land and water use specialists, ecologists, economists, sociologists and agriculturalists. ARCADIS Euroconsult maintains permanent representation in Bangladesh, Brazil, Egypt, Indonesia, Pakistan, Sudan and Surinam and has affiliates in several other countries. ARCADIS Euroconsult is active in:

- civil engineering
- settlement planning and urban development
- institutional development
- agro-economic and socio-economic planning
- training and extension
- environmental technology and action programming
- agriculture (irrigated and rainfed)
- land and water development
- animal husbandry and aquaculture
- seed technology

Specialization in the field of water: wetland management, drainage and salinity control, drinking water and sanitation, irrigation, user management and irrigation service fee, water resources management, water utilities, urban environment

Services: 4.2 Advisory services - policy and institutional; 4.3 Advisory services - technical; 4.4 Advisory services - social and economic; 4.5 Advisory services - environmental; 4.7 Advisory services - project implementation and management

ARCADIS BMB

ARCADIS BMB Management Consultants

PO Box 550

6800 AN Arnhem

The Netherlands

tel.: +31-26-3577477

fax: +31-26-3517861

e-mail: bmb@arcadis.nl

<http://www.bmb.nl/>

Part of the ARCADIS group, ARCADIS BMB provides consulting services for institutional development in the public, private and social sectors of developing countries and those in transition. The company offers advice on correcting market flaws as well as on investing in human and social resources, such as welfare and education. ARCADIS BMB has 100 employees working in over 35 development projects.

Specialization in the field of water: public private partnerships and public sector reform for water and irrigation utilities

Services: 4.2 Advisory services - policy and institutional; 4.7 Advisory services - project implementation and management

Association of Netherlands Municipalities (VNG) - International Project Unit (IPU)

International Project Unit (IPU)
Association of Netherlands Municipalities (VNG)
POBox 30435
2500 GK The Hague
The Netherlands
tel.: +31-70-3738401
fax: +31-70-3738660
e-mail: ipu@vng.nl
<http://www.sgbo.gemnet.nl>

The International Project Unit (IPU) of the Association of Netherlands Municipalities (VNG) was established in 1994 and currently employs about 30 experts. The IPU mission is two-fold: give professional support to Dutch municipalities in their efforts to improve the quality of their international activities in the field of municipal international cooperation (MIC); and strengthen local governments and local public institutions in developing countries, countries in transition, and regions emerging from protracted conflict. Its method is to make available its extensive reservoir of knowledge concerning international best practices and assist in their adaptation to local circumstances through municipal partnership or direct technical assistance.

VNG/IPU manages the Netherlands Inter-Municipal Development Co-operation Programme that allows Dutch municipalities to respond to requests from municipalities in developing countries for technical and managerial assistance. One of the current projects financed by this programme is the Ghana Urban Environmental Sanitation Project in Ghana.

Specialization in the field of water: urban sanitation, drinking water supply and solid waste management

Services: 4.2 Advisory services – Policy and institutional; 5.2 Netherlands Funding Agencies for IWRM - government

Association of Suppliers of Environmental Technology (VLM)

Association of Suppliers of Environmental Technology (VLM)

PO Box 190

2700 AD Zoetermeer

The Netherlands

tel.: +31-79-3531285

fax: +31-79-3531365

e-mail vlm@fme.nl

<http://www.vlm.fme.nl/>

VLM was founded in 1983 and has 50 member companies in the field of environmental technology, including industrial and domestic wastewater treatment, domestic or chemical waste treatment, sludge treatment, and dust and odour control. The VLM web site provides a catalogue of its members' services, products and technologies, and an interactive platform with VLM activities and a discussion forum.

Specialization in the field of water: industrial and domestic wastewater treatment, sludge treatment

Services: 2.8 Information services - manufacturer and product information

Association of Water Boards

Association of Water Boards (Unie van Waterschappen)
PO Box 80200
2508 GE The Hague
The Netherlands
Tel.: +31-70-3519751
fax: +31-70-3544642
e-mail: info@uvw.nl
<http://www.uvw.nl>

The Association of Water Boards is the umbrella organization for the 57 Dutch water boards. It aims to promote knowledge sharing among the water boards, provides advice and functions as an employers' association.

The association is active in the following policy areas: water management, non-point pollution sources, water treatment, urban water management, flood control, road management, financing, pollution levies, conditions of employment, communication, information systems, and legislation.

Specialization in the field of water: rural and urban water management, water pollution sources, water treatment, flood control, water legislation and levies/taxes.

Services: 2.6 Information services - software; 2.7 Information services - awareness raising and promotion

BKH Consulting Engineers

BKH Consulting Engineers

PO Box 5094

2600 GB Delft

The Netherlands

tel.: +31-15-2625299

Fax: +31-15-2619326

e-mail: bkh-office@bkh.nl

<http://www.bkh.nl/index.html>

BKH Consulting Engineers has a staff of 120 people. The company has overseas offices in Kenya, Bangladesh, India, Sri Lanka, Chile and Colombia. Main activities are in the field of water management, wastewater treatment, sewerage, stormwater and water supply, urban development, soil remediation, and industrial and environmental management. For projects in these areas, BKH gives advice on policy issues, prepares preliminary and detailed designs and supervises construction works. Furthermore special attention is given to the transfer of know-how, to the involvement of the local communities, and to institutional strengthening and training. As well as working in the Netherlands, BKH carries out projects and assignments in Central and Eastern Europe, Asia, Africa, and Latin America. International projects are undertaken mainly for multilateral agencies, governments, financial institutions and industrial companies.

Specialization in the field of water: all aspects of water management ranging from monitoring water quality to developing integrated management plans for surface and groundwater resources; designing and upgrading wastewater treatment plants; design and supervising the construction of sewerage, stormwater drainage and water supply systems.

Services: 4.3 Advisory services - technical

Both ENDS, Stichting

Stichting Both ENDS
Damrak 28-30
1012 LJ Amsterdam
The Netherlands
tel.: +31-20-6230823
fax: +31-20-6208049
e-mail: info@bothends.org, water@bothends.org
<http://www.bothends.org/>

Both ENDS is an independent non-profit organization that supports the work of environmental non-government and community-based organizations (NGOs/CBOs) and networks, primarily in developing countries and Central and Eastern Europe. Both ENDS produces funding guides, research and lobby documents, supports campaigns and helps build coalitions. A service desk offers information packs on environmental topics, helps fund-seeking organizations in locating donors, and assists in identifying the right expertise or partner. The main areas of work are: sustainable land use and water management, and international capital flows.

Specialization in the field of water: inclusion of initiatives on integrated river basin management in the Encyclopedia of Sustainability (<http://www.bothends.org/encycl/encycl.html>) and the project "Facilitating NGO participation and enhancement of gender related priorities in the World Water Vision Process" (<http://www.bothends.org/areas/areas.html>)

Services: 2.4 Information Services - publications; 2.7 Information Services - awareness raising and promotion

Bureau Waardenburg bv

Bureau Waardenburg bv
PO Box 365
4100 AJ Culemborg
The Netherlands
tel.: +31-345-512710
fax: +31-345-519849
e-mail: wbb@buwa.nl
<http://www.buwa.nl/waardenburg/index.htm>

Bureau Waardenburg bv is a consulting firm for environment and ecology. It has a staff of 25 researchers. Bureau Waardenburg carries out wetland, marine and land-based projects that deal with a broad field of relationships between humans, animals, plants and their environment. Services include surveys, research, strategy and planning, design and management, monitoring.

Specialization in the field of water: design and management plans for integrated water management, research and monitoring of aquatic systems, use of wetlands for urban runoff treatment

Services: 4.5 Advisory services - environmental

CICAT - DUT Management Centre for International Cooperation

CICAT
Delft University of Technology
PO Box 5048
2600 GA Delft
The Netherlands
tel.: +31-15-2783612
fax: +31-15-2781179
e-mail: cicat@cicat.tudelft.nl
<http://www.cicat.tudelft.nl/>

CICAT is the central liaison office of the Delft University of Technology (DUT), providing its faculties and departments with management support in development cooperation activities. The activities involve long-term cooperation projects with universities and research organizations in Africa, Asia and Latin America and to some extent in Eastern Europe. The aim of the projects is to strengthen the education and research of the university or research institute involved in the cooperation project. CICAT also locates relevant expertise in Delft, when asked to do so by organizations from outside the university, to work on development cooperation projects. Within a cooperation project CICAT is responsible for the management and coordination, while the faculty or department involved is responsible for the scientific content.

Most of the projects are currently financed by the MHO programme (co-financing programme for higher education), which is administered and coordinated by the Nuffic and financed by the Dutch Minister of Development Cooperation.

CICAT supports education at DUT in three different ways. The first regards DUT students willing to undertake a graduation project abroad. The second is the organization of special courses at DUT and the third is the organization within projects of PhD work at DUT or within a so-called sandwich formula.

CICAT works in five main sectors: industrial development; information and communication technology; mobility of persons and goods; energy and environment; and urban transformation processes.

There are 31 persons working at CICAT, including 11 project coordinators and 10 project assistants.

Specialization in the field of water: management support to DUT capacity building projects, strengthening education and research of university or research institutes involved in urban water resource and environmental engineering

Services: 2.3 Information services - databases and libraries; 4.2 Advisory services - policy and institutional

Connect International

Connect International
Lange Mare 106
2312 GV Leiden
The Netherlands
tel.: +31-71-5142499
e-mail: connect.international@wxs.nl
<http://home.wxs.nl/~connect.international>

Connect International is a small NGO umbrella organization, co-operating with partner organizations and local governments in developing countries to facilitate organized groups (e.g. communities, women groups) with the implementation of projects that contribute to the improvement of their living standards and the alleviation of poverty. Connect International's main activities are with the partner organization Participatory Rural Development Organization (PRDO) based in Masindi, Uganda. Projects are often small such as the construction of primary schools, spring protections and handpumps. Activities have now also started in Malawi.

Specialization in the field of water: drinking water supply, spring protections, handpumps

Services: 4.3 Advisory services - technical

Cordaid

Cordaid

PO Box 16440

2500 BK The Hague

The Netherlands

tel.: +31-70-3136300

fax: +31-70-3136301

e-mail: externe.communicatie@cordaid.nl

<http://www.cordaid.nl/>

Cordaid combines structural aid, emergency aid and health care, based on Christian inspiration. It was formed on 1 January 1999 as a result of the merger of Bilance, Caritas Netherlands, the Dutch Bishops' Lenten Campaign and Memisa. Cordaid has three core activities: the supply of services, goods and money; fundraising; and provision of information and lobbying. It is active in 40 countries and has a staff of 280.

In 1999, Cordaid provided NLG 342 million for 1,510 new projects in the South, in Central and Eastern Europe and in the Netherlands. In addition, there were 3,790 projects in implementation. NLG 130 million came from private fund raising, NLG 46 million of which was from the Cooperating Relief Agencies and NLG 5 million from the National Post Office Lottery. With 450,000 benefactors, 1200 local groups and tens of thousands of volunteers, Cordaid has broad support among Dutch society.

Specialization in the field of water: in 1999, Cordaid spent 28.8% of its funding on programmes for basic needs provision where food, housing and basic infrastructure, healthcare and education were highlighted. Special attention was given to the urban poor

Services: 2.7 Information Services - awareness raising and promotion; 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations, charities

CTA - Technical Centre for Agricultural and Rural Cooperation (ACP/EU)

CTA
PO Box 380
6700 AJ Wageningen
The Netherlands
tel.: +31-317-467100
fax: +31-317-460067
e-mail: cta@cta.nl
<http://www.agricta.org/>

CTA advances agricultural and rural development in African, Caribbean and Pacific (ACP) countries by promoting the transfer, exchange and utilization of information.

CTA's tasks are:

- to develop and provide services which improve access to information for agricultural and rural development through seminars, studies and associated visits, publishing and distribution, question and answer service, and selective dissemination of information (SDI);
- to strengthen the capacity of ACP countries to produce, acquire, exchange and utilize information in these areas through dissemination of agricultural references works, CD-ROM, training in information and communication, rural radio, research and networking.

CTA's partners and beneficiaries include agricultural and rural development agencies - both government and non-government planners and policy makers, research scientists and technicians, extension workers, trainers, farmers' cooperatives and associations.

CTA's themes are: conquering markets; production intensification and optimization; environmental protection and natural resources management; strengthening national agricultural systems; and mobilization of civil society.

Specialization in the field of water: the organization of seminars under the theme environmental protection and natural resources management; publications on water management, irrigation engineering and agricultural waste management

Services: 2.4 Information services - publications

Delft Cluster

Delft Cluster
PO Box 69
2600 AB Delft
The Netherlands
tel.: +31-15-2693794
fax: +31-15-2697399
e-mail: info@delftcluster.nl
<http://www.delftcluster.nl/>

Delft Cluster carries out fundamental research for sustainable delta development. It aims to become a world knowledge centre for fundamental, strategic long-term research, focusing on sustainable infrastructure of closely populated delta areas. Delft Cluster was established by five institutes located in Delft: GeoDelft; IHE International Institute for Infrastructural, Hydraulic and Environmental Engineering, TNO - Netherlands Organization for Applied Scientific Research, Delft University of Technology (DUT), and WL | Delft Hydraulics. They are working together on a research programme that has been divided into seven themes:

- soil and structure
- risks due to flooding
- coasts and rivers
- urban infrastructure
- subsurface management
- integrated water resource management
- knowledge management

Delft Cluster is an open knowledge network. Research institutes, organizations and companies take part in or contribute to the research programme. Research institutes that contribute in a substantial and lasting way to the realization of Delft Cluster's objective can take part as a full-fledged participant. Substantial investment is required for the physical development of densely populated areas. It is anticipated that nearly 80% of the world's population in urban conurbations will live and work in coastal areas and deltas by the year 2050.

Specialization in the field of water: research on integrated water resource management involving modelling, socio-economic, institutional and ecological aspects

Services: 6.2 Long-Term Programmes - global

**Delft University of Technology, Faculty of Civil Engineering and Geosciences,
Department of Water Management**

Department of Water Management
Sub-Faculty of Civil Engineering
Faculty of Civil Engineering and Geosciences
Delft University of Technology
PO Box 5048
2600 GA Delft,
The Netherlands
tel: +31-15-2785553
fax: +31-15-2787966
E-mail: info@CT.TUdelft.NL
<http://www.ct.tudelft.nl/wmg/environ.htm>

The Department of Water Management provides education leading to an M.Sc. in Water Management (in Dutch). An English course is planned for 2002. The department consists of three cooperating sections, which are described in more detail below:

- Hydrology and Ecology Section
- Land and Water Management Section
- Sanitary Engineering Section

Services: 3.2 -Education and Training - degree courses

See also: CICAT and RBA Centre

Hydrology and Ecology Section

tel.: +31-15-2785074 / 2785080
fax: +31 152785915
mailto:Ed.Veling@ct.tudelft.nl
<http://hydrology.citg.tudelft.nl/welcome.htm>

This section carries out research on groundwater and surface water and the human induced changes in these environments. The research on groundwater is focussed on its availability for drinking water and for agricultural use in combination with nature conservation, especially desiccation. At human interference in natural systems, such as artificial recharge by infiltration of surface water, attention is paid to ecological consequences.

The research on surface water is focussed both on running water and on stagnant water. Analysis of quantitative and qualitative processes in rivers, lakes and reservoirs is aimed at the possibilities of uses as recreation, nature conservation or production of drinking water. For the purpose of flood control the precipitation discharge relation is analyzed (rainfall-runoff relations). Discharge components in relation to land use (agricultural, urban area), soil conditions, etc. are important. Besides water system analyses, attention is paid to quantitative and qualitative soil management in urban areas.

Land and Water Management Section

tel.: +31-15-278 1646

fax: +31-15-278 5559
e-mail: E.G.Rothfusz@ct.tudelft.nl
http://www.ct.tudelft.nl/wmg_land_water/

The education and scientific research of this department are concentrated on the planning, design, construction and operation of water management systems, including the organizational aspects. Areas of special interest are:

- design of water management and distribution systems such as polders, irrigation/drainage systems, flood control systems and urban water management;
- maintenance planning and budgeting of water management systems;
- design of operation strategies and control algorithms for controlled water systems;
- integrated water management with the accent on policy analysis and the decision methods for developments in water management, considering the legal and institutional environment.

Sanitary Engineering Section

Tel.: +31-15-2783347
Fax: +31-15-2784918
E-mail: e.ooms@citg.tudelft.nl
<http://www.gezondheidstechniek.tudelft.nl/>

The main activities of this section are education and research in three core areas which form the basis of the 'urban water cycle', namely:

- drinking water supply
- wastewater collection and urban drainage
- wastewater treatment

Research is carried out on three subjects:

- membrane filtration for water reclamation, drinking water production and sewage disposal
- information and communication technology (ICT) - models for drinking water treatment, sewerage and wastewater treatment
- urban water cycle - wastewater treatment and reuse technology

DHV Group

DHV Holding
PO Box 219
3800 AE Amersfoort
The Netherlands
tel.: +31-33-4683700
fax: +31-33-4683748
e-mail: corpcomm@beh.dhv.nl
<http://www.dhv.nl/>

DHV Water (part of the business group Water)
PO Box 484
3800 AL Amersfoort
The Netherlands
tel.: +31-33-4682200
fax: +31-33-4682301
e-mail: info@wa.dhv.nl

DHV Consultants (part of the business group Consultants)
PO Box 1399
3800 BJ Amersfoort
The Netherlands
tel.: +31-33-4682500
fax: +31-33-4682601
e-mail: dir@cons.dhv.nl

DHV provides professional consulting and engineering services worldwide to governments, public utilities, bilateral and multilateral financiers, industry and the private sector. The Group has 3300 employees, working at some 50 locations worldwide. Outside of Western Europe, DHV has 25 offices and 350 local staff in Central and Eastern Europe, Asia, Africa, and Latin America. DHV also has offices in the Middle East and North America. Local presence in these countries is supported by central knowledge centres in the Netherlands covering: Transport and Infrastructure, Water and Environment, Accommodation and Real Estate, and International Development.

Services rendered range from management consulting to contracting, and include:

- research and development
- master planning
- feasibility studies
- systems selection
- design
- tender preparation
- tendering
- detailed engineering
- construction supervision
- commissioning

The water issues in the DHV Group are covered by DHV Water and DHV Consultants.

Specialization in the field of water: all aspects of the entire water cycle, from strategy to design and from implementation to management, operation and maintenance in the fields of drinking water supply, surface water, groundwater and industrial and wastewater; DHV has specific expertise in wastewater treatment, use of water, environmental impact reports, urban planning, policy advice and soil sanitation.

Services: 4.2 Advisory services - policy and institutional; 4.3 Advisory services - technical; 4.7 Advisory services - project implementation and management

ETC Netherlands BV / International BV

ETC Netherlands BV / International BV

PO Box 64

3830 AB Leusden

The Netherlands

tel.: +31 33 4943086

fax: +31 33 4940791

e-mail: office@etcnl.nl

<http://www.etcint.org/>

ETC International is a non-profit (but market-oriented) consulting group specialized in development programmes. It has its headquarters in the Netherlands and overseas offices in Peru, Bolivia, Kenya, Zimbabwe, India, Sri Lanka and the UK. The Netherlands office has four business units that have a thematic orientation - natural resources management, energy, health and capacity development. The key interests of the ETC group include sustainable agriculture, environmental management, agroforestry, sustainable energy systems, community-based drinking water supply and sanitation, public health and district health management, institutional development, and strengthening local consulting capacity. Services include advisory expertise, information and documentation services and publications. ETC has been instrumental in establishing several global networks as sustainable low-external agriculture (ILEIA), indigenous knowledge and perceptions (COMPAS), and urban agriculture (RUAF).

Specialization in the field of water: support on institutional, financial, socio-economic and health aspects for rural water supply programmes (Africa, Asia) through evaluation missions, projects formulation, backstopping, long-term project implementation and monitoring; managerial aspects of environmental development including land tenure and water management

Services: 4.2 Advisory services - policy and institutional; 4.5 Advisory services - environmental; 4.7 Advisory services - project implementation and management

Eurutil (European Utilities)

Eurutil
PO Box 314
3006 AA Dordrecht
The Netherlands
tel.: +31-10-293 6460
fax: +31-10-293 6461
e-mail: info@eurutil.nl
<http://www.eurutil.nl/>

Eurutil is a joint venture of Vivendi Water NL (formerly USF Benelux), water supply company Europoort and Delta Nutsbedrijven (multi-utility company Delta).

Specialization in the field of water: Eurutil can design, finance, build and operate water treatment facilities based on a build-own-operate (BOO) contract. It also offers outsourcing and lease services for water treatment equipment, e.g. membrane filters.

Services: 4.3 Advisory services - technical; 4.7 Advisory services - project implementation and management

Foster Parents Plan / PLAN International Netherlands

Foster Parents Plan / PLAN International Netherlands

PO Box 75454

1070 AL Amsterdam

The Netherlands

tel.: +31-20-5495555

fax: +31-20-6444065

e-mail: fpp-info@plan.geis.com

<http://www.plan-international.org/nederland>

PLAN is an international, humanitarian, child-focused development organization without religious, political or governmental affiliation. Child sponsorship is the basic foundation of the organization. In 1999 PLAN International Netherlands raised NLG 204 million to support some 370,000 Foster Parent children and their families in 42 developing countries. Since 2000 PLAN also receives an annual subsidy from the Netherlands government. PLAN works in five main areas: education, improved living conditions (habitat), health care, income generation and communication with beneficiaries.

Specialization in the field of water: improved living conditions for children through the provision of drinking water and sanitation facilities; integrated water resource management through erosion control, reforestation and institutional development

Services: 2.7 Information Services - awareness raising and promotion; 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations, charities

Free University (VU) Amsterdam - Institute of Earth Sciences, Hydrology Section

Hydrology Section
Institute of Earth Sciences
Free University (VU)
De Boelelaan 1085
1081 HV Amsterdam
The Netherlands
tel.: +31-20-4447276 / 444 7318
fax: +31-20-6462457
e-mail: vrij@geo.vu.nl / simi@geo.vu.nl

The Hydrology Section's education and research programmes focus on physical and chemical processes within hydrological systems. The section supports and is supported by expertise from other earth and environmental sciences such as geology, physical geography, meteorology and biology. The Faculty of Earth Sciences is closely linked to the VU Institute for Environmental Studies.

The focus of research is on:

- *catchment-scale environmental hydrological studies - the effects of land use change on water, nutrient and sediment dynamics of river catchments and notably the impact of deforestation and reforestation in the humid-tropical areas of Asia and Latin America, and semi-arid areas in Africa and Europe;*
- *groundwater resource exploration, evaluation and management - groundwater occurrence within a geological framework, with emphasis on groundwater recharge and depletion under the influence of natural climatic fluctuations, as well as on the environmental changes caused by man's interference and exploitation, in semi-arid and arid areas as well as in the Netherlands;*
- *hydrogeochemical processes and pollution studies - solute transport and chemical reactions in aquifers, including the origin and conversion processes related to pollution and involving the quantification of hydrochemical processes with coupled transport/process models, tracer studies (notably isotopes) and laboratory.*

Specialization in the field of water: environmental hydrology, groundwater management, groundwater pollution, hydrogeology, catchment hydrology.

Services: 4.5 Advisory services - environmental; 6.2 Long-Term Programmes - global.

Greenpeace International / Greenpeace Netherlands

Greenpeace International / Greenpeace Netherlands

Keizersgracht 176

1016 DW Amsterdam

The Netherlands

tel.: +31-20-5236222 / 6261877*

fax: +31-20-5236200 / 6221272*

e-mail: sdesk@ams.greenpeace.org*

<http://www.greenpeace.org/>

*Greenpeace Netherlands

Greenpeace is a global environmental campaigning organization. It organizes public campaigns for the protection of oceans and ancient forests, for the phasing-out of fossil fuels and the promotion of renewable energies in order to stop climate change, for the elimination of toxic chemicals, against the release of genetically modified organisms into nature, for nuclear disarmament and for an end to nuclear contamination. The Greenpeace organization consists of Greenpeace International (Stichting Greenpeace Council) in Amsterdam and Greenpeace offices in 41 countries around the world.

Specialization in the field of water: through their International Toxics Campaign, Greenpeace seeks an end to the manufacture, use and disposal of hazardous, synthetic substances - particularly persistent organic pollutants (POPs) and to the migration of dirty technologies to regions of the world least equipped to deal with inevitable industrial disasters (<http://www.greenpeace.org/~toxics/>)

Services: 2.7 Information Services - awareness raising and promotion

Grontmij Group

Grontmij Group
PO Box 203
3730 AE De Bilt
The Netherlands
tel.: +31-30-2207911
fax: +31-30-2200174
e-mail: web@grontmij.com
<http://www.grontmij.nl/>

Grontmij is an engineering consulting firm whose services range from advice, design and engineering to operations and management. Activities include: soil, water, spatial development, waste management, sport, recreation, nature management, building, real estate, transport, infrastructure, telecommunications. The company has 3200 staff. Grontmij is expanding its market position in Europe and Asia through a network of foreign subsidiaries and local partners. Grontmij promotes an innovative approach to integrated management of riverine areas by applying multidisciplinary knowledge, skills and experience to ensure sustainable management of rivers and deltas.

Specialization in the field of water: developing technologies for drinking water, process water and wastewater, waste management and implementing projects

Services: 4.3 Advisory services - technical; 4.7 Advisory services - project implementation and management

Haskoning Group BV, Royal / Haskoning BV Consulting Engineers and Architects

Royal Haskoning Group BV / Haskoning BV Consulting Engineers and Architects
PO Box 151
6500 AD Nijmegen
The Netherlands
tel.: +31-24-3284284
fax: +31-24-3239346
e-mail: info@haskoning.nl
<http://www.haskoning.nl/>

Royal Haskoning is a group of independent consulting engineers and consultants with approximately 1900 staff. The group is the holding company of Haskoning BV Consulting Engineers and Architects, De Weger Architects and Consulting Engineers, Posford Duvivier Ltd. (UK), GEM Consultants and Ketel Consulting Engineers. De Weger Consultancy Group consists of several specialized internationally operating consulting companies (including IWACO BV - see separate entry).

The Group is involved in projects relating to: building, environmental affairs, infrastructure, hydraulic engineering, ports, architecture, transport, and spatial planning.

Services include: technical, environmental, operational, financial/economic, marketing, institutional and organizational feasibility studies; project management; engineering designs, tender documents, procurement, construction supervision; construction management; development and implementation of automation and information systems; training, operational and management assistance; and institutional development and community participation.

Haskoning BV has offices in Bangladesh, Cameroon, Colombia, Ecuador, Hungary, India, Indonesia, Morocco, Nigeria, Peru, Poland, Spain, Thailand and Viet Nam.

Specialization in the field of water: waste management; integrated water management; water treatment; sewage treatment; drinking water supply systems; water resources planning and development; polder development, pumping stations; dams and reservoirs; irrigation and drainage; flood control, dykes; hydrological models; rainfed and irrigated agricultural development; aquaculture and fisheries

Services: 4.3 Advisory services - technical; 4.7 Advisory services - project implementation and management

Heineken

Heineken
PO Box 28
1000 AA Amsterdam
The Netherlands
tel.: +31-20-5239329
fax: +31-20-5239379
e-mail: responsible@heineken.com
<http://www.heineken.nl/>

In 1999, international beer brewer Heineken, chose water as the theme of a programme, "Aware of Water", aimed at raising awareness of environmental issues in general and water in particular (http://www.heineken.nl/heineken/intermain.nsf/01052f_g3_f1.htm). The programme has an internal and an external part. The objective of the internal element is to make all Heineken employees aware of the importance of the availability of sufficient, good-quality, clean water and of responsible water consumption. Externally, Heineken sponsored a 13-part PBS documentary entitled "Water, a drop of life" about the political, financial, social and health aspects of potable water. The series premiered at the World Water Forum held in The Hague, the Netherlands in March 2000. An internal policy on water has been drawn up to reduce the consumption of water and further improve the treatment of wastewater. In the sphere of wastewater treatment Heineken completed the design of an effective treatment plant for our African breweries. Two treatment plants will be built in Africa, which will function as pilot projects.

Specialization in the field of water: industrial wastewater treatment and water conservation

Services: 2.7 Information Services - awareness raising and promotion; 5.4 - Netherlands Funding Agencies for IWRM - sponsoring

Hivos - Humanist Institute for Cooperation with Developing Countries

Hivos
Raamweg 16
2596 HL The Hague
The Netherlands
tel.: +31 70 3765500
fax: +31 70 3624600
e-mail: hivos@hivos.nl
<http://www.hivos.nl/>

Hivos is a development organization that stands for emancipation, democratization and poverty alleviation in developing countries. It is one of the five Dutch co-financing organizations. In 1999 Hivos provided financial support totalling NLG 123.8 million to 706 local private organizations in 30 countries in Africa, Asia and Latin America. Their activities aim at economic independence, art and culture, environment, gender, aids prevention and human rights, and more recently also at promoting information and communication technology (ICT).

Services: 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations and charities

ICCO - Interchurch Organization for Development Cooperation

ICCO
PO Box 151
3700 AD Zeist
The Netherlands
tel.: +31 30 692 78 11
fax: +31 30 692 56 14
e-mail: comm-unit@icco.nl
<http://www.icco.nl/>

ICCO is a development organization with a staff of over 130 people. It is one of the five Dutch co-financing organizations. ICCO is active in 69 countries (in Africa and the Middle East, Asia and the Pacific, Latin America and the Caribbean, Central and Eastern Europe), and works with over 800 organizations. The annual turnover is NLG 184 million.

The main product of ICCO is the funding activities that stimulate and enable people, each in their own way, to organize dignified housing and living conditions. The size of funding varies between NLG 3,000 and NLG 4.8 million. ICCO works in the following sectors: direct alleviation of poverty (62%), society building (32%) and lobbying (6%). Special attention is given to projects that focus on gender issues, human rights and the environment. ICCO supports projects and activities in the areas of: education, health care, small-scale business activities and income acquisition, savings and credit programmes, rural development and sustainable agriculture, sustainable forestry, organization development, democratization, and building up a social middle class.

Services: 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations and charities

Institute for Housing and Urban Development Studies (IHS)

IHS

PO Box 1935

3000 BX Rotterdam

The Netherlands

tel.: +31-0-4021523

fax: +31-10- 4045671

e-mail: ihs@ihs.nl

<http://www.ihs.nl/>

IHS is an international education institute aiming at strengthening local capacities in housing, urban management and urban environmental management, with the overall objective to improve urban quality and reduce urban poverty. Each year, more than 150 professionals from all over the world come to IHS to take part in one of the Diploma courses, Master's Degree Programmes or to do a PhD study. Besides developing and conducting training and education programmes in the Netherlands, IHS is engaged in various advisory and technical assistance projects abroad, for clients like the World Bank, Asian Development Bank, United Nations and the European Union. IHS has 40 experts divided over three departments: Urban Management, Urban Environmental Management and Housing. Besides in the Netherlands, IHS has offices in Indonesia, Romania and Peru.

Specialization in the field of water: urban water supply, sanitation, drainage and solid waste management

Services: 3.2 Education and Training - degree courses; 3.3 Education and Training - short courses; 4.2 Advisory Services - policy and institutional.

Institute for Inland Water Management and Waste Water Treatment (RIZA)

Institute for Inland Water Management and Waste Water Treatment (RIZA)

PO Box 17

8200 AA Lelystad

tel.: +31-320-298411

fax +31-320-249218

e-mail: riza@riza.rws.minvenw.nl

<http://www.riza.nl/>

RIZA is the research and advisory body for the Rijkswaterstaat (the Directorate-General for Public Works and Water Management) for inland water in the Netherlands and a leading international centre of knowledge for integrated water management. The institute collects data on and conducts research into water quality and quantity. On the basis of these data the RIZA makes recommendations concerning the management of inland water in the Netherlands and abroad.

RIZA employs approximately 500 people in the following four departments:

- **Wetland Development and Restoration:** research and advice on the restoration of wetlands to their natural state;
- **Water Systems:** research and advice on the integrated management of inland waters;
- **Water Pollution Control:** research and advice on wastewater treatment and emission levels;
- **Information and Measurement Technology:** collection and processing of data and research in specialist laboratories.

The international activities undertaken by RIZA can be divided in the following programmes:

- international policy preparation
- international cooperation
- international scientific exchange and training
- international development cooperation activities

RIZA has worked in Eastern Europe, Uganda, Mali, Egypt and India.

Specialization in the field of water: water quality monitoring; water and wastewater analysis; water quality and quantity databases; integrated water management; ecotoxicology and the transport of water, matter and silt; eutrophication and evaporation; river ecology; lake ecology; nutrient cycling; ecological modelling; water pollution control - diffuse and communal pollution sources, communal and industrial wastewater treatment technology, and water emission permits; wetland development and restoration; flood control

Services: 2.4 Information Services - publications; 2.6 Information Services - software; 3.3 Education and Training - short courses; 4.2 Advisory Services - policy and institutional; 4.3 Advisory Services - technical; 4.5 Advisory Services - environmental

Intaquin bv - International Aqua Investments

Intaquin bv
Meerweg 26
8561 AV Balk
The Netherlands
tel.: +31-514-603258
fax: +31-514-603259
e-mail: water@intaquin.nl
<http://www.intaquin.nl/>

Intaquin participates in BOOT (Build-Own-Operate-Transfer) and full utility concessions in cooperation with local partners. Projects with a first investment volume of up to US\$ 20 million are the prime target of Intaquin. The NV Waterleidingmaatschappij Drenthe (WMD) and the Alpha Group International are the principal shareholders. The specialized engineering offices of Witteveen+Bos are the advisors to Intaquin. Intaquin can act as a managing partner in a local company or be a regular shareholder that transfers the management responsibility to a local partner/shareholder. Such a transfer will take place after having trained local staff to operate the plant. Intaquin has no policy for absolute majority shareholding. Instead Intaquin prefers to work closely with its partners/co-shareholders in a negotiated shareholder constellation.

Specialization in the field of water: utility management

Services: 4.6 Advisory Services - project implementation and management

Interbeton bv

Interbeton bv
PO Box 84
2280 AB Rijswijk
The Netherlands
tel.: +31-70-3723977
fax: +31-70-3722393
e-mail: pr@interbeton.nl
<http://www.interbeton.nl>

Interbeton bv is an international contractor and group member of HBG, Hollandsche Beton Groep nv. Within the group of HBG companies, Interbeton deploys the contracting know-how of the group outside Western Europe, in Africa, Asia/Pacific, the Americas, the Middle East and the Arabian Gulf. Besides contracting Interbeton also provides services in the field of financial engineering, feasibility studies and design, procurement and maintenance. Areas of expertise are: marine, infrastructure, industrial, and building.

Specialization in the field of water: sewage treatment plants, water supply systems, dams and irrigation works

Services: 4.3 Advisory Services - technical; 4.6 Advisory Services - project implementation and management

International Association of Hydraulic Engineering and Research (IAHR)

International Association of Hydraulic Engineering and Research (IAHR)

Rotterdamseweg 185

2629 HD Delft

The Netherlands

tel.: +31-15-285-8819

fax: +31-15-285-8417

e-mail: iahr@iahr.org

<http://www.iahr.org/>

IAHR is a worldwide independent organization of some 2500 engineers, scientists and water specialists working in fields related to hydraulics and its practical application. The association is a non-profit, non- government organization with a secretariat in the Netherlands. IAHR strives to contribute to sustainable development and optimization of the world's water resources through the application of existing knowledge and the stimulation of new and relevant research.

IAHR activities range from ecohydraulics, hydroinformatics and urban drainage to hydraulic structures, water resources management and groundwater hydraulics. The association publishes several leading journals, newsletters, runs a discussion, offers internet/web support services and organizes regular international conferences and symposia. IAHR also publishes monographs and manuals to assist specialists in their work.

IAHR promotes the sharing of knowledge through its education and professional development section, and the European Engineering Graduate School - Environment Water.

IAHR encourages the transfer of knowledge between developed and developing countries by favouring membership from poorer countries.

Specialization in the field of water: hydraulics

Services: 2.4 Information Services - publications; 2.5 Information Services - news services; 2.7 Information Services - awareness raising and promotion

International Centre for Integrative Studies (ICIS)

International Centre for Integrative Studies (ICIS)

PO Box 616

6211 BH Maastricht

The Netherlands

tel.: +31-43-3882662

fax: +31-43-3884916

e-mail: icis@icis.unimaas.nl

<http://www.icis.unimaas.nl/>

ICIS, also called the *Institute for the Analysis of Environments*, is a recently established interdisciplinary research centre at Maastricht University. ICIS focuses on complex societal issues, which demand an integrated approach, especially for the development of long-term visions and strategic planning. ICIS has two main objectives:

- the development of innovative tools to support strategic decision-making;
- the propagation of integrated insights to decision-makers and disciplinary scientists.

To that end, ICIS develops models, scenarios, indicators, risk and uncertainty analyses and participatory methods. The main fields of interest are sustainable development, water, nature and environment, tourism and knowledge management. Other ICIS services (under development) include consulting, (post-graduate) courses and publications.

Specialization in the field of water: integrated water assessment (socio-economic, cultural, institutional and environmental aspects) at the level of the river basin or water catchment

Services: 4.5 Advisory services - environmental

International Institute for Aerospace Survey and Earth Sciences (ITC)

ITC

PO Box 6

7500 AA Enschede

The Netherlands

tel.: +31-534874444

fax: +31-534874400

e-mail: pr@itc.nl

<http://www.itc.nl/>

ITC focuses on capacity building for natural resources management in developing countries through education, research and consulting services related to the use of geoinformation tools. The institute concentrates on earth observation, the generation of spatial information and the development of data integration methods.

ITC has the following divisions:

- Geoinformatics and Spatial Data Acquisition
- Geoinformatics, Cartography and Visualization
- Geoinformatics, Spatial Information Theory and Applied Computer Science
- Geoinformatics Management and Infrastructure
- Soil Science
- Forest Science
- Agriculture, Conservation and Environment
- Social Sciences
- Urban Planning and Management
- Geological Survey
- Water Resources and Environmental Studies
- Applied Geomorphology
- Engineering Geology
- Mineral Exploration
- Applied Geophysics

Specialization in the field of water: development, application and technology transfer of remote sensing tools to explore surface and groundwater water resources

Services: 2.6 Information Services - software; 3.2 Education and Training - degree courses; 3.3 Education and Training - short courses; 4.2 Advisory Services - policy and institutional; 4.3 Advisory Services - technical; 4.5 Advisory Services - environmental; 4.6 Advisory Services - project implementation and management

International Institute for Infrastructural, Hydraulic and Environmental Engineering (IHE)

IHE
PO Box 3015
2601 DA Delft
The Netherlands
tel.: +31-15-2151715
fax: +31-15-2122921
e-mail: ihe@ihe.nl
<http://www.ihe.nl/>

IHE is dedicated to scientific research and postgraduate education and training in the fields of water and the environment. The Institute is a globally active "partner in action" in the developing countries, through solution-oriented research, education and capacity building operations. Clients include multilateral agencies, national governments, bilateral donor agencies, sectoral associations, sectoral ministries and universities. IHE's target group for its courses are young and mid-career professionals aimed at higher performance levels in engineering, science and technical-management.

Specialization in the field of water: sanitary and environmental engineering - pollution prevention and control, water supply and sector and utility management; hydraulic engineering - river engineering and river basin development, land and water development; hydrology and hydroinformatics; environmental science and water resources - environmental chemistry, wetland and aquatic ecology, microbial ecology, water resources systems analysis, management support and policy development

Services: 3.2 Education and Training - degree courses; 3.3 Education and Training - short courses; 3.4 Education and Training - tailor-made courses, study tours; 4.2 Advisory Services - policy and institutional; 4.6 Advisory Services - project implementation and management; 6.2 Long-Term Programmes - global; 6.3 Long-Term Programmes - Africa South of Sahara; 6.6 Long-Term Programmes - Asia and Pacific

International Institute for Land Reclamation and Improvement (ILRI)

ILRI

PO Box 45

6700 AA Wageningen

The Netherlands

tel.: +31-317-495549

fax: +31-317-495590

e-mail: ilri@ilri.nl

<http://www.ilri.nl/>

ILRI was founded in 1955 as an independent, non-profit institute under the Netherlands Ministry of Agriculture, Nature Management, and Fisheries, with the mandate to collect and disseminate knowledge for better and sustainable use of land and water resources, especially in developing countries. ILRI's core activities are:

- to undertake applied research on the sustainable development of irrigated agriculture. The results of such research are published in the series of ILRI Publications and in papers, scientific journals, and conference proceedings;
- to hold annual, post-graduate training courses on irrigation, drainage, and related subjects;
- to provide technical support and specialist advisory services to irrigation and drainage projects abroad.

Specialization in the field of water: drainage and irrigation for agriculture in developing countries

Services: 2.3 Information Services - databases and libraries; 2.4 Information Services - publications; 2.6 Information Services - software; Education and Training - short courses; 3.4 Education and Training - tailor-made courses, study tours; 4.2 Advisory Services - policy and institutional; 4.6 Advisory Services - project implementation and management; 6.2 Long-Term Programmes - global; 6.6 Long-Term Programmes - Asia and Pacific

International Institute for the Urban Environment (IIUE)

International Institute for the Urban Environment

Nickersteeg 5

2611 EK Delft

The Netherlands

tel.: +31-15-262 3279

fax: +31-15-2624873

e-mail: iiue@urban.nl

<http://www.urban.nl>

IIUE was established in 1989 to promote sustainability, including ecological, social and economic aspects, as a major consideration in urban development.

IIUE's main activities are:

- developing good practice prototypes
- awareness raising
- research
- conducting workshops, and conferences
- (tailor-made) training programmes

So far most of these activities have taken place in Europe.

IIUE's projects fall into three basic categories:

- promoting sustainable living and working conditions
- improving the quality of the urban environment, including urban design
- developing policy instruments to realize these aims

Specialization in the field of water: awareness raising for sustainable urban water management

Services: 2.7 Information Services - awareness raising and promotion

International Water Assessment Centre (IWAC)

IWAC Secretariat
PO Box 17
8200 AA Lelystad
The Netherlands
tel.: +31-320-298894
fax: +31-320-297642
e-mail: info@iwac-riza.org
<http://www.iwac-riza.org/>

Inaugurated on 23 September 2000, the International Water Assessment Centre operates under the UN Economic Commission for Europe (UN/ECE) Water Convention with the support of the Dutch government. IWAC will carry out tailor-made assessments of international rivers and lakes, act as a clearinghouse, and hold training courses and workshops. Initial activities will focus on the monitoring of eight transboundary rivers in Eastern Europe/Central Asia: the Bug, Ipoly, Kura, Latoritca/Uzh, Mures, Morava, Serverski Donets and Tobol.

Specialization in the field of water: water assessments of international rivers and lakes

Services: 2.4 Information Services - publications 4.5 Advisory services - environmental

IRC International Water and Sanitation Centre

IRC

PO Box 2869

2601 CW Delft

The Netherlands

tel.: + 31-15-2192939

fax: +31-15-2190955

e-mail: general@irc.nl

<http://www.irc.nl>

IRC is an independent, non-profit organization supported by and linked with the Netherlands government, UNDP, UNICEF, WHO, the World Bank and the Water Supply and Sanitation Collaborative Council (WSSCC).

IRC facilitates the creation, sharing, and use of knowledge so that sector staff and organizations can better support poor men, women and children in developing countries to obtain water and sanitation services they will use and can sustain. It does this by *improving the information and knowledge base of the sector and by strengthening sector resource centres in the South.*

As a gateway to quality information, the IRC maintains a Documentation Unit and a web site with a weekly news service, and produces publications in English, French, Spanish and Portuguese both in print and electronically. It also offers training and experience-based learning activities; advisory and evaluation services; applied research and learning projects in Asia, Africa and Latin America; and conducts advocacy activities for the sector as a whole.

IRC staff work as facilitators in helping people make their own decisions; are equal partners with sector professionals from the South; stimulate dialogue among all parties to create trust and promote change; and create a learning environment to develop better alternatives.

Specialization in the field of water: community management, gender and equity, institutional development, integrated water resources management, school sanitation, hygiene promotion and monitoring.

Services: 2.2 Information Services - web portals; 2.3 Information Services - databases and libraries;

2.4 Information Services - publications; 2.5 Information Services - news services; 2.7 Information Services - awareness raising and promotion; 3.3 Education and Training - short courses; 3.4 Education and Training - tailor-made courses, study tours; 4.2 Advisory Services - policy and institutional; 4.4 Advisory Services - social and economic; 4.6 Advisory Services - health and hygiene; 4.7 Advisory Services - project implementation and management; 6.2 Long-Term Programmes - global

IVN Association for Environmental Education

IVN
PO Box 20123
1000 HC Amsterdam
The Netherlands
tel.: +31-20-6228115
fax: +31-20-6266091
e-mail: m.wiersma@ivn.nl
<http://www.ivn.nl/>

IVN is a Dutch organization of 16,000 volunteers and 110 professionals, founded in 1960 to promote environmental protection and awareness by organizing a wide range of educational activities. The IVN is a private society, receiving financial support from the Ministry of Agriculture, Nature Management and Fisheries, the Dutch National Postal Code Lottery, as well as all provincial and some local authorities. IVN's 180 local groups work with schools, community groups, municipalities and water boards. IVN is also involved in international projects in Eastern Europe, particularly in Poland.

Specialization in the field of water: a Water Campaign involving restoration of waterways, excursions, environmental education

Services: 2.7 Information Services - awareness raising and promotion

IWACO Consultants for Water and Environment

IWACO
PO Box 8520
3009 AM Rotterdam
The Netherlands
tel.: +31-10-2865432
fax: +31-10-2200025
e-mail: info@iwaco.nl
<http://www.iwaco.nl/>

IWACO is a specialized consulting company of the De Weger Consultancy Group which is owned by the Royal Haskoning Group. There are 600 professionals working in the Netherlands and in branches and project offices in Belgium, Germany, France, Hungary, Romania, Bangladesh, Burkina Faso, Egypt, India, Indonesia, Pakistan, Suriname, USA, Viet Nam and Yemen. IWACO works in the following fields: water resources management, soil management, environmental management, drinking water and wastewater, environmental technology, and environmental analysis.

Specialization in the field of water: water quality analysis, aquatic ecology, urban water management, water treatment, water distribution, wastewater treatment, sewerage, solid waste

Services: 4.3 Advisory services - technical; 4.5 Advisory services - environmental; 4.7 Advisory services - project implementation and management

Kiwa NV

Kiwa NV
PO Box 70
2280 AB Rijswijk
tel.: +31-70-4144400
fax: +31-70-4144420
e-mail: info@kiwa.nl
<http://www.kiwa.nl/>

Kiwa carries out certification, inspection, research and consulting activities in the water and related nature and environmental fields. It has 400 employees and is owned by the Dutch water companies.

Kiwa has the following divisions:

- **Kiwa Certification and Inspection:** specializes in the issue of quality certificates for products, processes, persons and management systems;
- **Kiwa Inspection:** carries out inspections and investigations as an independent expert, particularly of tank installations and (transport) pipelines;
- **Kiwa Research and Consultancy:** a centre of knowledge for water and related nature and environmental aspects. Core tasks include innovative research and transfer of knowledge and know-how;
- **Kiwa Management Consultants:** provides consulting services in the field of management systems and organizational innovations;
- **Kiwa Belgium and Kiwa Germany:** offer the above services on the Belgian and German markets respectively.

In the Netherlands, Kiwa cooperates with various universities (Delft, Eindhoven, Twente, Utrecht, Groningen), the National Forest Service, the National Institute of Public Health and Environmental Protection and other authorities. Internationally, Kiwa has cooperation agreements with the Center for Water Studies (SVW, Belgium), Water Industry Research (WIR, UK), Pro aqua (Italy) and the AWWA Research Foundation (AWWARF, USA). At the end of 1994 Kiwa Research and Consultancy set up a platform of European water research institutes, EWRI, the European Water Research Institutes. The EWRI partners are: Company Générale des Eaux (France), Lyonnaise des Eaux (France), WRc plc (UK); TZW (Germany); LNEC (Portugal) and SVW (Belgium).

Specialization in the field of water: drinking water, effluent and waste-disposal industry certification; extraction, treatment, distribution and quality assessment of drinking water, industrial water and domestic water; management and organization of water companies

Services: 4.2 Advisory services - policy and institutional; 4.3 Advisory services - technical

Larenstein University for Professional Education

Larenstein
PO Box 9001
6880 GB Velp
The Netherlands
tel.: +31-26-3695695
fax: +31-26-3615287
e-mail: <mailto:info@larenstein.nl>
<http://www.larenstein.nl/>

Larenstein is the largest institute for higher professional agricultural education in the Netherlands, offering B.Sc., post-graduate and M.Sc. courses that focus on four principal areas of study:

- *the natural environment: design, planning, management and quality control in rural and urban areas;*
- *primary agriculture, and the international aspects of the production, marketing and consumption of agricultural products;*
- *research and analysis to support the development and quality management of products;*
- *course design in agricultural education.*

Larenstein also offers a range of national and international consulting and training programmes, facilitating the implementation of agricultural and environmental management projects worldwide. The college has a well-known department of geographical information systems (GIS).

Specialization in the field of water: rural water management, irrigation engineering

Services: 3.2 Education and Training in IWRM - degree courses; 3.3 Education and Training in IWRM - short courses

Ministry of Agriculture, Nature Management and Fisheries (LNV)

Ministry of Agriculture, Nature Management and Fisheries (LNV)

PO Box 20401

2500 EK The Hague

The Netherlands

tel.: +31-70-3786868 / 3784062

fax: +31-70-3786100

e-mail:

<http://www.minlnv.nl/>

The Ministry of Agriculture, Nature Management and Fisheries is responsible for agriculture, nature, landscape, forests, outdoor recreation, and fisheries. Its mission is to realize a more market-oriented approach, more quality, more nature and a more sustainable production; to encourage and utilize the problem-solving ability of the industry. To achieve this aim, the ministry promotes: a sustainable, flourishing and varied countryside to the benefit of all in which the various uses (agriculture, nature, landscape, forestry, outdoor recreation, and fisheries) are all given their due; sustainable and competitive agriculture and fisheries including the processing industry; conservation, restoration and development of Dutch and international nature values.

The Ministry has an International Division and also maintains the Government Service for Land and Water Use (DLG). DLG performs tasks concerning land acquisition, land development and nature-friendly farming in the rural areas. It was established on 1 January 1995 and is due to be transferred to the private sector.

The Ministry's new International Nature Management Programme (2001-2010) will support international activities and conventions related to sustainable water management, wetlands, biodiversity and forests (<http://www.minlnv.nl/nbl21/>, (Dutch)).

Specialization in the field of water: rural water management, wetlands

Ministry of Economic Affairs - Netherlands Foreign Trade Agency (EVD) and Senter

Netherlands Foreign Trade Agency (EVD)

PO Box 20105

2500 EC The Hague

The Netherlands

tel.: +31-70-3798811*

fax: +31-70-3797858*

e-mail eic@evd.nl*

<http://www.evd.nl/> , <http://www.hollandtrade.com/>

*Export Information Centre

The Netherlands Foreign Trade Agency (EVD) was specially created to further the international activities of companies and entrepreneurs from all sectors of the Dutch economy. The EVD provides Dutch business with information and services critical to the pursuit of new opportunities the world over. Each year it organizes 60 major promotional events connecting Dutch enterprises to countries in the European Union and throughout the world. The EVD works together with the Netherlands Ministry of Foreign Affairs and its diplomatic missions to bring Dutch companies in contact with experts on international trade, foreign decision makers, and potential customers and partners in overseas markets.

Services - 2.5 Information Services - news services; 2.7 Information Services - awareness raising and promotion; 5.1 Netherlands Funding Agencies for IWRM - overview

Senter

PO Box 30732

2500 GS The Hague

The Netherlands

tel.: +31-70-3610310 / 3610999*

fax: +31-70-3614430 / 3610411*

<http://www.senter.nl/>, <http://www.senter.nl/internationaal/>

*Senter Internationaal

Senter, an agency of the Ministry of Economic Affairs, is responsible for implementing government subsidy, credit and tax reduction arrangements and programmes in the fields of technology, environment, export and international cooperation. The aim is sustainable strengthening of trade and industry, and knowledge centres in the Netherlands. In 1999, NLG 500 million was available via Senter Internationaal for export and international cooperation and investment.

Services - 5.2 Netherlands Funding Agencies for IWRM - government

Ministry of Foreign Affairs (MFA)

Ministry of Foreign Affairs

PO Box 20061

2500 EB The Hague

The Netherlands

tel.: +31-70-3486486

fax: +31-70-3484848

e-mail: dvl-info@minbuza.nl

<http://www.minbuza.nl/>

The Ministry of Foreign Affairs is responsible for developing, implementing, and coordinating Dutch foreign policy. Its mission is to protect the interests of the Kingdom of the Netherlands and to promote the international legal order. The ministry has a worldwide network of 148 missions (embassies, consulates, and permanent representations).

The ministry is headed by the Minister of Foreign Affairs (M), who is responsible for the foreign policy of the Kingdom of the Netherlands. The Minister of Foreign Affairs is assisted in his tasks by a State Secretary (T). The Minister for Development Cooperation (R) is responsible for development cooperation and is supported by the Directorate-General for International Cooperation (DGIS). In 2001, NLG 8.2 billion is earmarked for spending on development cooperation. The Ministry of Foreign Affairs also has a State Secretary with special responsibility in four areas: European affairs, asylum and migration, international cultural relations, and global environmental, scientific and technological issues.

Over the past ten years, NLG 200 million has been spent annually on the water-related development cooperation activities. Of this amount 45% went to drinking water supply and sanitation, 20% to irrigation and drainage, and the remainder to flood control, coastal protection, water transport and hydrological studies. For the coming four years, and additional NLG 100 million has been reserved for water management in developing countries.

Eight countries have chosen water as a main sector for Dutch development cooperation: Bangladesh, Egypt, India, Indonesia, Mozambique, Palestinian Territories, Viet Nam and Yemen. Water activities will also be supported in Tanzania and South Africa as part of the health/good governance sectors. Integrated water resource management will also be supported in countries which receive environmental sector support: Brazil, Cape Verde, China, Colombia, Ecuador, Guatemala, Mongolia, Nepal, Pakistan, Philippines, Peru, Senegal.

Within DGIS the following departments deal with water:

- Environment and Development Department (DML) - Water Management
- Rural and Urban Development Department (DRU) - Irrigation
- Social and Institutional Development Department (DSI) - Drinking water and sanitation

Water activities within the ministry are coordinated by the Water Support Unit. The unit has seven staff members and aims to:

- channel additional bilateral funds as much as possible to the "water" countries;

- promote cooperation with other donors and multilateral water partnership programmes, e.g. Global Water Partnership, Water Supply and Sanitation Collaborative Council, Water and Sanitation Program;
- coordinate preparations for the 3rd World Water Forum;
- support capacity building and management of international river basins;
- develop policies for integrated water resource management.

Specialization in the field of water: integrated water resource management, drinking water supply and sanitation, irrigation and drainage, flood control, coastal protection, water transport, hydrological studies.

Services - 5.2 Netherlands Funding Agencies for IWRM - government

Ministry of Housing, Spatial Planning and the Environment (VROM)

Ministry of Housing, Spatial Planning and the Environment

PO Box 20951

2500 EZ The Hague

The Netherlands

tel.: +31-070-3395050 / 3393939

fax:

e-mail:

<http://www.minvrom.nl/>

The aim of VROM is to make living, working, recreation and moving inside the Netherlands pleasant. The ministry wants to stimulate inhabitants and companies in the Netherlands to approach issues on nature, environment and raw materials in a responsible way. VROM establishes conditions for the above in agreement with citizens, interest groups and social organizations. It creates regulations and distributes subsidies for improving the country's living environment. It also supports international treaties in areas including climate, environment and spatial planning.

Within the Directorate-General for the Environment (DGM), the Water Department focuses on environmental policy for groundwater and surface water, and for drinking water, sewerage and wastewater treatment. It develops sector policies for drinking water supply and sewerage, bathing water quality, and integrated water resources management. International areas of attention are the European Union (EU) water guidelines and the global water crisis. VROM also has a separate department for International Environmental Affairs (IMZ).

VROM provides part of the subsidy for the IRC International Water and Sanitation Centre.

Specialization in the field of water: policy development for drinking water supply and sewerage, bathing water quality, and integrated water resources management

Ministry of Transport, Public Works and Water Management

Ministry of Transport, Public Works and Water Management

PO Box 20901

2500 EX The Hague

The Netherlands

tel.: +31-70-3516171 / 35172 00 (International Relations) / 3516544 (Communication Dept.)

fax: +31-70-3517550 (International Relations) / 3516868 (Communication Dept.)

e-mail: postdvo@cend.minvenw.nl (Communication Dept.)

<http://www.minvenw.nl/>

The ministry has assigned itself the following responsibilities:

- ensuring that the country is habitable from the point of view of protection against flooding and the availability of versatile water systems;
- ensuring the safe mobility and good communication facilities needed for Dutch society to function healthily, both nationally and internationally.

Within the ministry the Directorate-General of Public Works and Water Management (RWS) is charged with

- supreme control of public works;
- the management of all public works facilities of national importance, including responsibility for protection of the country against water, water management in terms of quantity and quality, and efficient regulation on water and roads;
- construction, management and the maintenance of public works projects;
- research in the area of public works;
- rules and regulations in these areas and the responsibility for their enforcement and observation.

RWS is also responsible for a number of specialized institutes including the Institute for Inland Water Management and Waste Water Treatment (RIZA) and the National Institute for Coastal and Marine Management (RIKZ).

Specialization in the field of water: flood control, water management (quantity and quality)

National Institute for Coastal and Marine Management (RIKZ)

National Institute for Coastal and Marine Management (RIKZ)

PO Box 20907

2500 EX The Hague

The Netherlands

tel.: +31-70-3114311

fax: +31-70-3114321

e-mail: library@rikz.rws.minvenw.nl

<http://www.minvenw.nl/rws/rikz/engrikz.html>

RIKZ is a research and advisory body attached to the Directorate-General for Public Works and Water Management (RWS) which in turn is part of the Netherlands Ministry of Transport, Public Works and Water Management. The role of RIKZ is to provide the Dutch government with advice and information both on the sustainable use of estuaries, coasts and seas and on coastal flood protection. To this end, RIKZ studies the Dutch coast, the North Sea, the Wadden Sea and the Dutch Delta area. RIKZ employs about 350 staff members. Among its staff the experts range from biologists and chemists to economists and civil engineers. RIKZ has offices and laboratories in three locations. The main office is situated in The Hague, Middelburg houses the office for the Delta area and the special office for the Wadden Sea is situated in Haren in the north of the country. RIKZ works within a widespread web of scientific institutes and universities, governmental institutions and other departments in RWS.

RIKZ houses the **Coastal Zone Management Centre**, which acts as an information database on global, regional and national activities relating to the sustainable development of coasts.

Specialization in the field of water: water management in estuaries and coasts

Services: 2.2 Information Services - web portals; 2.6 Information Services - software

National Institute for Public Health and Environment (RIVM)

National Institute for Public Health and Environment (RIVM)

PO Box 1

3720 BA Bilthoven

The Netherlands

tel.: +31-30-2749111

fax: +31-30-2742971

e-mail: info@rivm.nl

<http://www.rivm.nl/>

Having evolved out of research institutes backing up health inspectorates in the Netherlands, the National Institute of Public Health and the Environment (RIVM) now has responsibilities regarding government policy-making and supervision of public health, nature, and the environment.

RIVM falls under the Ministry of Public Health, Welfare and Sport (VWS), and also undertakes commissions from other ministries, notably the Ministry of Housing, Spatial Planning and the Environment (VROM), and the Ministry of Agriculture, Nature Management and Fisheries (LNV).

The responsibilities of RIVM are:

- to carry out supportive research for government policy development and supervision of public health, nature, and the environment;
- to report periodically about the state of, and outlook for public health, nature, and the environment;
- to undertake other research activities upon the instruction of the ministers;
- to carry out research assignments from third parties that tie up with the above, and are useful for the general good.

The thirty RIVM facilities are placed in five divisions:

- Vaccines;
- Public Health Research;
- Risks, Environment and Health;
- Environmental Research, which includes the Soil and Groundwater Quality Laboratory, Laboratory for Water and Drinking Water Research and the Laboratory for Waste Materials and Emissions;
- Supporting Services, which includes the Bureau for International Cooperation (BIS)

At the international level RIVM is active in the European Union, and organizations such as WHO, the UN Environmental Programme (UNEP), the UN Economic Commission for Europe (UN ECE), UNICEF and the World Bank. RIVM is a UNEP Collaborating Centre and houses the WHO/European Centre for Environment and Health (ECEH).

RIVM has several responsibilities in the field of developmental aid as well. The primary responsibility concerns transfer of vaccine technology, for which a Technology Transfer Centre has been established. RIVM has undertaken development cooperation activities financed by the Netherlands Ministry of Foreign Affairs in the public health and environment sector in India, Albania, Brazil, Burkina Faso, Niger,

Egypt, Bangladesh, Colombia, and Surinam. Water-related activities have also been carried out in the Sahel countries and Mozambique.

Specialization in the field of water: surface water, groundwater and drinking water in the Netherlands; quality of the water sources and effects of water pollution on the ecosystem; drinking water quality standards; interrelationships between water and its environs; simulation models and information systems for surface water and groundwater, water quality monitoring, drinking water catchments.

Services: 2.4 Information services - publications; 2.6 Information services - software; 4.2 Advisory Services - policy and institutional; 4.3 2 Advisory Services - technical 4.5; Advisory services - environmental; 4.6 Advisory Services - project implementation and management.

NEDECO Group of Netherlands Engineering Consultants

NEDECO Head Office
PO Box 90413
2509 LK The Hague
The Netherlands
Tel.: +31-70-3143636
Fax: +31-70-3284862
e-mail: nedeco@nedeco.nl

The NEDECO Group of Netherlands Engineering Consultants operates worldwide as a permanent consortium of major independent Netherlands consulting companies and large technological, economic and earth observation institutes. The NEDECO Group has operated in more than 135 countries worldwide.

The group consists of:

- NEDECO Foundation, a not-for-profit organization, promoting knowledge and skills in engineering and related fields through conferences, workshops and seminars, and the magazine Land & Water International;
- NEDECO BV, active in the field of water, ports and transport, environment, infrastructure and corporate and institutional development; a range of consulting services is offered varying from policy preparation, research, feasibility studies, design and engineering, and project management to organizational development.

NEDECO Group companies include: ARGOSS, DHV Group; Royal Haskoning Group; Ferendi, IWACO, NEI, De Weger, Witteveen+Bos, and WL | Delft Hydraulics.

Specialization in the field of water: integrated water management, irrigation and drainage, water supply and sanitation, flood control and coastal development, land reclamation

Services: 2.7 Information Services - awareness raising and promotion; 4.1 Advisory Services - overview

Nederlandse Waterschapsbank NV (NWB)

Nederlandse Waterschapsbank
PO Box 580
2501 CN The Hague
The Netherlands
tel.: +31-70-4166266
fax: +31-70-4166262
e-mail: info@nwb.nl
<http://www.nwb.nl/>

NWB is the house banker to the Dutch water boards (waterschappen). With 81% of the bank's share capital, they are its largest group of shareholders. The bank also provides the water boards with a broad range of banking services, such as funds transfer, electronic banking, training and advice. It finances dykes and civil engineering works relating to water management and water treatment plants.

The NWB also provides long-term loans under the guarantee of local public authorities for public housing, health care, education and the environment. In addition, it finances state-owned water supply and environmental corporations.

The American magazine Global Finance has recognized the NWB as one of the 'Top Ten Safest Banks' in the world.

Specialization in the field of water: financing activities of Dutch water boards and state-owned water supply and environmental corporations

Services: 5.5 Netherlands Funding Agencies for IWRM - commercial banks

NEI BV

NEI

PO Box 4175

3006 AD Rotterdam

The Netherlands

tel.: +31-10-453 8800

fax: +31-10-4530768

e-mail: market@nei.nl

<http://www.nei.nl/>

NEI is an independent economic research and consulting organization and a subsidiary of the Rotterdam-based NEI Kolpron Group. NEI has over 210 staff, of whom more than 150 are qualified professionals, mainly economists.

NEI has public and private sector clients in over 100 countries, including industrial companies, sector organizations, governments, international organizations, international financing institutions.

NEI working areas include: agriculture and rural development, environment and energy, health care, industry and trade, infrastructure, labour and education, macroeconomics and public finance, ports and shipping, regional and urban development, social security, telematics, tourism, transport and logistics.

NEI provides the following services: applied economic research, economic analysis and advice, economic modelling and information system development, financial advisory services, institutional development, management advice, monitoring and evaluation, organization of conferences, private sector development, project management, restructuring and privatization, technical assistance, training and tailor-made courses.

Specialization in the field of water: rural water resource management, irrigation

Services: 4.4 Advisory Services - social and economic

Nethconsult

Nethconsult
Koningskade 30
2596 AA The Hague
The Netherlands
tel.: +31-703143647
fax: +31-703244624
e-mail: headoffice@nethconsult.nl
<http://www.nethconsult.nl/>

Nethconsult is a multidisciplinary group of Dutch consulting firms, specialized institutes and universities undertaking projects in countries worldwide. Set up in 1982, Nethconsult currently has 29 affiliated organizations employing over 10,450 people and with an aggregate international turnover of US\$ 647 million in 1997. The Nethconsult Central Office in The Hague has the task of international marketing, project acquisition and coordination of various group activities. While the affiliated organizations execute the acquired projects jointly, Nethconsult is responsible for project contracts.

Nethconsult is active in four main areas:

- agri-business
- environment and energy
- human resources, corporate and institutional development
- transport and distribution

In Eastern and Central Europe, Nethconsult affiliates have 58 subsidiaries, joint ventures and associated firms. The affiliates have offices, associated firms and joint ventures with an additional 221 local firms in other parts of the world. Nethconsult is stepping up its presence in the Mediterranean. Since 1990, Nethconsult has carried out 2400 projects and assignments in countries worldwide - including more than 960 in Central and Eastern Europe.

Specialization in the field of water: water and environment; drinking water supply; groundwater studies; river basin management/water management; solid waste; wastewater treatment

Services: 4.1 Advisory Services - overview

Netherlands Association for Water Management (NVA)

Netherlands Association for Water Management (NVA)

PO Box 70

2280 AB Rijswijk

The Netherlands

tel.: +31-70-4144777

fax: +31-70-4144420

e-mail: nvs@vewin.nl

<http://www.nva.net/>

The NVA aims to promote the knowledge and experience in integrated water management and collection and treatment of wastewater through the organization of scientific and technical meetings, publications, working groups, contacts with related organizations in the Netherlands and abroad, and courses. NVA has about 3000 members.

Specialization in the field of water: sewerage, wastewater treatment, water quantity management, water quality management

Services: 2.7 Information Services - awareness raising and promotion

Netherlands Institute of Applied Geoscience TNO – National Geological Survey (NITG-TNO)

Netherlands Institute of Applied Geoscience TNO – National Geological Survey
PO Box 6012
2600 JA Delft
The Netherlands
tel.: +31-15-2696900
fax: +31-15-2564800
e-mail: info@nitg.tno.nl
<http://www.nitg.tno.nl/>

NITG-TNO is one of the 14 institutes that compose the Netherlands Organization for Applied Scientific Research TNO, a public R&D organization. NITG-TNO is the central geoscience institute in the Netherlands for information, applied research and consulting to promote the sustainable management and use of the soil/subsurface and its natural resources.

NITG-TNO has 400 employees and its annual turnover is NLG 70 million. Its chief tasks are:

- geoscientific data and information management of the Netherlands' subsurface;
- execution of applied geoscientific research and related technological research and consulting;
- advising the Ministry of Economic Affairs regarding the exploration and production of mineral resources, geothermal energy and the storage of substances in the deep subsurface.

The institute is structured into seven departments according to the major fields of work:

- groundwater monitoring, assessment, mapping and management; (Groundwater Department)
- geophysical research, geochemical mapping, geomechanical research and geo-remediation; (Geo-Infrastructure Department)
- generic data and information management systems (Geo-Information Systems)
- hydrogeological and geological mapping (Geo-Mapping Department)
- marine and coastal zone assessment and management (Geo-Marine and Coast)
- oil and gas exploration and production research (Geo-Energy Department)
- oil and gas databank management for the Netherlands (Deep Subsurface/Oil and Gas)

Typical themes of the Groundwater Department of NITG-TNO are:

- strategic water- and environmental resources planning, with emphasis on conservation and protection of groundwater resources;
- groundwater monitoring networks;
- generic, GIS based data- and information management systems;
- modelling of regional and local groundwater systems (saturated and unsaturated zones);
- institutional strengthening and capacity building programmes in the water and environment sectors.

The Staff Group International Cooperation aims to strengthen the public and private knowledge infrastructure of countries (including those in Central and Eastern Europe), in order to promote the sustainable management and use of the subsurface and its natural resources. It does so by providing institutional support to central and lower tiers of government, other statutory organizations, public companies, branch organizations and individual firms. The staff group represents the institute in all countries outside the European Union, as well as Geoneth, the Geoscience Network of the Netherlands for International Co-operation. The products are institutional support relating to the management of natural resources, land use planning (especially the management of coastal zones), soil pollution and soil management, and geo hazards (including subsidence and coastal erosion). Projects have been implemented in South-East Asia, China and India, the Middle East, southern and central Africa, Central and Eastern Europe, and South America.

Specialization in the field of water: water- and environmental resources planning and institutional development, groundwater conservation and protection, groundwater monitoring and modelling

Services: 4.2 Advisory Services - policy and institutional; 4.3 Advisory Services - technical

Netherlands Water Partnership (NWP)

Netherlands Water Partnership
PO Box 3015
2601DA Delft
The Netherlands
tel.: +31-15-2151728
fax: +31-15-2151759
e-mail: info@nwp.nl
<http://www.nwp.nl/>

The Netherlands Water Partnership (NWP) is an independent non-profit organization set up jointly by the Dutch private and public sector to act as a national coordination and information point in relation to water activities overseas. The main aims of the NWP are to harmonize the activities and initiatives of the Dutch water sector overseas and to undertake worldwide promotion of Dutch expertise related to water. It acts as a focal point for the exchange of information related to activities and services of government bodies, knowledge and research institutes and businesses involved in the water sector.

The NWP:

- is a single contact point for people in other countries seeking information on the Dutch water sector;
- coordinates the interests of the Dutch private and public sectors in relation to international matters in the water field;
- supports the collective interests of the Netherlands within the international water community;
- creates new opportunities for Dutch knowledge and research institutes and private sector organizations;
- promotes Dutch expertise and experience in the field of capacity building and human resources development, institutional strengthening, consulting, design, contracting, supply of goods and financing worldwide.

The NWP is the 'national' discussion partner for bodies like the World Water Council (WWC) and the Global Water Partnership (GWP).

Specialization in the field of water: information on the Dutch water sector

Services: 2.2 Information Services - web portals; 2.3 Information Services - databases and libraries;

2.7 Information Services - awareness raising and promotion; 2.8 Information Services - manufacturer and product information

Novib

Novib
PO Box 30919
2500 GX The Hague
The Netherlands
tel.: + 31-70-3421621
fax: +31-70-3614461
e-mail: admin@novib.nl
<http://www.novib.nl>

Novib was set up in 1956 as the Netherlands Organisation for International Development Co-operation. It is one of the five Dutch co-financing organizations. The "Novib Method" of working aims to realize the structural, sustainable alleviation of poverty in Africa, Asia, Latin America and Eastern Europe. Novib cooperates with around 700 partner organizations. Projects focus on such areas as health care, rural development, education, housing and setting up small businesses. Instead of sending people, Novib sends money and advice. In the Netherlands Novib is active in development-related advocacy and education. Novib is a member of Oxfam International.

In 1999 Novib spent NLG 361 million on projects in developing countries. Activities in the field of drinking water included the construction of more than 4000 new water points serving 900,000 people. Counterparts provided 900 training courses on water point maintenance, in which more than 22,000 people participated. Novib also helped select the eight drinking water projects that were part of the "Water Overbruggt Wereldwijd" programme (see the Royal Netherlands Association of Water Professionals (KVVWN)).

Services: 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations and charities

Nuon BV

Nuon BV
PO Box 85
3740 AB Baarn
The Netherlands
tel.: +31-35-5434300
fax: +31-35-5434490
e-mail: nuon@nuon.com
<http://www.nuon.nl/>

Nuon NV is one of the largest multinational energy and water companies in the Netherlands with operations in China, Israel, USA and Eastern Europe. It supplies electricity, gas, heat, water and related products to over six million customers. Nuon Water provides more than 1.3 million people in the northern and central areas of the Netherlands with drinking water.

Nuon has formed a US\$ 260 million joint venture with UK-based Biwater. It has acquired a 50% interest in Biwater Capital BV. Biwater Capital is the operations and investments arm of the multinational water group Biwater Plc, which provides water and wastewater services to 1.7 million people through its operations worldwide.

Specialization in the field of water: water utility management

Rabobank Group / Aid by Rabobank Foundation (SSR)

Rabobank Group

PO Box 17100

3500 HG Utrecht

The Netherlands

tel.: +31-30-2160000 / 2162040 (Corp. communications) / 2163469 (Water Sector Manager)

fax: +31-70-2161916 (Corp. communications)

e-mail: rabocomm@rn.rabobank.nl (Corp. communications) / jean-pierre.sweerts@tref.nl (Water Sector Manager)

<http://www.rabobankgroup.com/water>

The Rabobank Group comprises about 425 autonomous local Rabobanks with about 1800 branches, their umbrella cooperative Rabobank Nederland and a number of specialized subsidiaries. Rabobank is an all-round provider of financial services on a cooperative basis. In addition to the local Rabobanks, the group's business units include:

- Rabobank International (corporate and investment banking, 122 branches in 36 countries) and its specialized subsidiary Rabo Securities (Dutch equity)
- Interpolis (insurance and pensions)
- De Lage Landen (leasing and trade finance)
- Robeco Group (asset management and investment funds)
- Nedship Bank (ship financing)
- Schretlen & Co (private banking)
- Gilde Investment Management (venture capital)

Specialization in the field of water: financing of water companies, purification plants, industries, agricultural companies and cooperatives and food processing companies.

Services: 5.4 Netherlands Funding Agencies for IWRM - sponsoring; 5.5 Netherlands Funding Agencies for IWRM - commercial banks

Aid by Rabobank Foundation (SSR - Stichting Steun door Rabobanken)

UC-G520

PO Box 17100

3500 HG Utrecht

e-mail: N.P.Munk@rn.rabobank.nl

The Aid by Rabobank Foundation (SSR) aims to promote the social development of individuals and groups - not through emergency aid or by simply throwing money at their problems, but by lending support to initiatives launched by the people themselves. The foundation mainly supports foreign projects that contribute to rural development, with the aim of promoting the (economic) self-sufficiency of the local population. In particular, the creation of a locally based savings and credit cooperative transpires to be an effective means of achieving this goal. All the local Rabobanks in the Netherlands contribute to the foundation's funds on a voluntary basis. Rabobank Nederland doubles their contribution. In 1998 the foundation contributed nearly NLG 8 million guilders to 140 projects at home and abroad. Of this amount, some NLG 6 million was used to fund projects in developing countries. In Kenya, SSR and the

Water Board Company Drenthe (Waterleidingmaatschappij Drenthe) support a well construction and maintenance project for the Masai.

Services: 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations, charities.

RBA Centre

RBA Centre - Research on River Basin Administration, Analysis and Management
Delft University of Technology, Sub-faculty of Civil Engineering
PO Box 5048
2600 GA Delft
The Netherlands
tel.: +31-15-2784773
fax: +31-15-2787799
e-mail: Rba.Centre@ct.tudelft.nl
<http://www.ct.tudelft.nl/rba/index.htm>

The RBA Centre of the Delft University of Technology was established in 1989 to stimulate research on the legal, planning, organizational, policy and other non-structural aspects of national and international river basin management. Its main objective is to serve as an academic centre of excellence for research on integrated river basin management. It tries to accomplish this objective by:

- stimulating and facilitating joint research at Delft University;
- promoting the *joint capabilities of the participants*;
- seeking cooperation with other institutions in the Netherlands and abroad, to exchange views and experiences and to engage in joint research activities.

The 30 participants in the RBA Centre are mainly members of the Faculty of Civil Engineering and Geosciences and the Faculty of Technology, Policy and Management. Most research deals with river basin management in the Netherlands and Europe in general.

Services: 2.3. Information Services - databases and libraries; 4.2 Advisory services - policy and institutional; 4.5 Advisory services - environmental

Resource Analysis (RA)

Resource Analysis

PO Box 2814

2601 CV Delft

tel.: +31-15-2191519

fax: +31-15-2124892

e-mail: ra@resource.nl

<http://www.resource.nl/>

Resource Analysis (RA), founded in 1987, is a research and consulting agency in the field of policy analysis, participatory planning and integrated environmental management. It supports governmental planners, decision makers and business managers by quantitative and qualitative analyses, and advanced decision making methods and techniques. The activities focus on strategic analysis and planning processes in the field of integrated water and environmental management and supportive activities concerning GIS and remote sensing, software instrument development, modelling to support analysis and effect measurement, decision support systems (DSS) and simulation tools. Research Analysis has 70 staff, 50 of them work in Delft and 20 in Antwerp (Belgium).

RA has the following activity clusters:

- **Water and Coast** - focusing on integrated policy planning and management of freshwater systems, coastal zones and coastal waters on international, national, regional and local levels;
- **Policy Analysis and Instrumentarium Development** - focusing on analysis and policy support instruments in aviation, transport, fishery, spatial planning and land use; and GIS and RS applications;
- **Human and Natural Environment** - focusing on integrated policy development concerning spatial planning and weighing of environmental, economic and spatial factors in (infra-structural) projects;
- **International Platform** - representing RA-wide expertise through projects in Africa, Asia, Latin America, Central America, and Central and Eastern Europe;
- **Environment** - research and advice for policy preparation in region-oriented and integrated environmental policy-making (including industrial environmental policy, integrated water management, spatial planning) and in nature management and development;
- **Mobility and Spatial Planning**.

Specialization in the field of water: integrated water resource management ; hydraulics and morphology, (geo)hydrology; relation between water and spatial planning

Services: 4.2 Advisory services - policy and institutional; 4.5 Advisory services - environmental

Royal Institution of Engineers in the Netherlands (KIVI) - Water Management Section

KIVI

Boomgaard 17

2641 BH Pijnacker

The Netherlands

tel.: +31-15-36944 91

fax: +31-15-36944 91

e-mail: jlt@dds.nl

http://www.kivi.nl/index_m.html ; <http://www.waterland.net/kivi>

KIVI is a learned society, founded in 1847 by and on behalf of professional engineers, with more than 18,500 members including 1500 students. The Water Management Section, which has 700 members, focuses on the exchange of knowledge and experience of engineers working in the field of integrated water resource management through working groups, lectures, symposia, publications and excursions. At present there are two working groups: automation and water management, and philosophy and water management. The section maintains international contacts through the *International Commission on Irrigation and Drainage (ICID)*.

Specialization in the field of water: integrated water resource management

Services: 2.7 Information Services - awareness raising and promotion

Royal Netherlands Association of Water Professionals (KVWN)

KVWN
PO Box 70
2280 AB Rijswijk
The Netherlands
tel.: +31-70-4144750
fax: +31-70-4144420
e-mail: kvwn@vewin.nl
<http://www.kvwn.nl/>

The KVWM was established in 1899 and now has 1300 members, most of whom work for water supply companies. The association aims to promote the exchange of knowledge and experience of its members through: lectures and symposia; publishing a professional journal (H₂O) and yearbook (both in Dutch); contacts with related organizations in the Netherlands and abroad; specialists working groups; excursions; and awarding the Van Marle prize. The KVWM also maintains a directory of the Dutch water trade, available on its web site.

In 1999 KVWM, together with Novib, SIMAVI en AQUANET, attracted sponsors for eight drinking water projects ("Water Overbrugt Wereldwijd") in Kenya, Ukraine, Israel and the Palestinian Territories, Mozambique, Uganda, India, Nicaragua and Moldavia. KVWM has now been requested to set up a foundation, similar to WaterAid in the UK, to attract funding from the Dutch water sector for drinking water projects in developing countries. This foundation, Aqua for All (A4A) will be established in May 2001.

Specialization in the field of water: drinking water supply

Services: 2.7 Information Services - awareness raising and promotion; 2.8 Information Services - manufacturer and product information

Royal Tropical Institute (KIT)

KIT

PO Box 95001

1090 HA Amsterdam

The Netherlands

tel.: +31-20-5688711

fax: +31-20-6684579

e-mail: pr@kit.nl

<http://www.kit.nl/>

The Royal Tropical Institute (KIT) is an international knowledge institute that acts as a window to other cultures for Dutch society and carries out many collaborative international development programmes. In the Netherlands, KIT familiarizes the public with other cultures through exhibitions, theatre programmes, library services, publications, and training. Internationally, KIT experts support management processes and the development of methodologies in the fields of agriculture and enterprise development, health care and disease control, biomedical research, culture, and gender.

Specialization in the field of water: rural water management and conservation, irrigation

Services: 2.3 Information Services - databases and libraries; 4.5 Advisory services - environmental; 6.5 Long-Term Programmes - Central and Eastern Europe

Rural Water Systems

Rural Water Systems
Wenslauerstraat 75
1053 AX Amsterdam
The Netherlands
Tel.: +31-20-6837540
e-mail: pvbeers@wxs.nl
<http://www.handpump.org/>

Rural Water Systems is a Dutch organization that aims at realistic sustainable solutions in rural water supply in developing countries and specializes in (Volanta) handpump operation and maintenance. It provides advice on innovative operation and maintenance schemes and spare parts supply, especially for deep handpump wells up to 100 m deep. Rural Water Systems is helping to set up several pilot projects with the lease concept in Mozambique and Angola.

Specialization in the field of water: operation and maintenance of handpump rural water supply systems.

Services: 4.3 Advisory services - technical

SAWA

SAWA

Agro Business Park 96
6708 PW Wageningen,
The Netherlands
tel.: + 31 317 466666
fax: +31 317 423191
e-mail: mailto:sawa@sawa.nl
<http://www.sawa.nl/>

SAWA (1977) is a foundation whose aim it is to supply technical and organisational support to improve the position of poor and disadvantaged people and to offer them possibilities to enhance their independence. SAWA provides assistance in the development of human and natural resources and organisations, by giving support to the NGO and Governmental sector, and by building up an independent local consultancy capacity. SAWA operates mainly in countries in need of rehabilitation after an armed conflict or a disaster, and in countries in transition.

SAWA's core activities in urban and rural development include:

- * water supply, sanitation and health education;
- * land, water and environment ;
- * institutional development of NGOs, local Government and small and medium enterprises (SME's);
- * dissemination of technology and technical training.

SAWA's activities are concentrated in South East Asia (Cambodia, Laos, Thailand, Vietnam, Indonesia, Mongolia, India), Central and Eastern Europe (Bosnia, The Baltic States), Eastern Africa and the Horn (Tanzania, Kenya, Uganda, Sudan, Somalia), Central Africa (Rwanda, Congo), Portuguese speaking Africa (Mozambique, Angola, Guinea Bissau, Cape Verde Islands)

Key elements in the SAWA approach include: integration of technical, socio-economic and institutional aspects, participation of the interest groups in all stages of the development process, gender sensitivity, sustainability, exchange of knowledge and experiences, local capacity building and environmental awareness.

Specialization in the field of water: water supply, sanitation and health education.

Services: 3.4 Education and Training - tailor-made courses, study tours;
4.3 Advisory Services - technical; 4.6 Advisory Services - health and hygiene; 4.7 Advisory Services - project implementation and management

Simavi

Simavi
Spruitenbosstraat 6
2012 LK Haarlem.
The Netherlands
tel.: +31-23-5318055
fax: +31-23-5328538
e-mail: simavi@simavi.org
<http://www.simavi.org/>

Simavi is a development organization that helps local partners improve medical and health care by annually supporting about 100 small-scale projects in Africa, Asia and Latin America.

The activities supported by Simavi can be divided into three categories.

- Curative
 - basic medical goods such as drugs and bandages
 - basic medical instruments and equipment for hospitals and health centres
- Preventive
 - water and sanitation programmes
 - programmes for blindness prevention
 - vaccination, primary health care and mother and child care programmes
 - educational and awareness programmes
 - teaching aids for medical training schools
 - community health programmes
- Special items
 - water and sanitation equipment
 - ophtalmic instruments
 - means of transport (vehicles, motorbikes, bicycles)
 - electricity equipment
 - x-ray machines
 - ultrasound

Specialization in the field of water: Financing small-scale water supply and sanitation projects

Services: 2.7 Information services - awareness raising and promotion; 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations and charities

SNV / Netherlands Development Organisation

SNV

Bezuidenhoutseweg 161

2594 AG The Hague

The Netherlands

tel.: +31-70-3440139

fax: +31-70-3855531

e-mail: informatie@snv.nl

<http://www.snv.nl/>

The SNV is a Dutch development organization whose core activity involves the transfer and exchange of knowledge, skills, ideas and technology. The SNV uses qualified professionals to give disadvantaged populations in less developed countries a better outlook for the future. Over 800 western and local experts currently work for the SNV, which is active in 28 countries throughout Africa, Latin America, Asia and Europe through 26 field offices.

SNV has prioritized three areas of action or themes:

- local governance processes
- supporting the private sector
- (joint) natural resources management

SNV attempts to devote around 70% of its efforts to the above three fields, which gives sufficient flexibility to respond to specific local needs. This selection of themes corresponds to the country programmes so that SNV can share and coordinate know-how and experience.

SNV also undertakes projects in other fields such as (sustainable) tourism, environmental issues and gender equality, which are not separate issues, but run throughout all SNV activities.

SNV offers three categories of services to organizations in the developing countries:

- advice to local partner organizations, including training and mediation;
- programme and project management for third parties;
- other services: SNV provides services to third parties to a limited extent and generally to international development organizations.

Over recent years, SNV has shifted the focus of its services from management to advice and service provision. SNV also places more emphasis on mediating between different organizations, aimed at increasing ownership (the extent to which SNV activities are transferred to and taken over by local people).

In 1999 some 4% of SNV activities were related to water provision and sanitation, and 6% to nature conservation and the environment.

Specialization in the field of water: irrigated agriculture and catchment management, drinking water supply and sanitation, wetland preservation and rehabilitation

Services: 3.4 - Education and training - tailor-made courses, study tours; 4.3 Advisory services - technical; 4.5 Advisory services - environmental; 4.7 Advisory services - project implementation and management

STOWA - Stichting Toegepast Onderzoek Waterbeheer

STOWA-bureau
PO Box 8090
3503 RB Utrecht
The Netherlands
tel.: +31 (0)30 2321199
fax: +31 (0)30 2321766
e-mail: stowa@stowa.nl
<http://www.waterland.net/stowa/>

STOWA supports Dutch water management institutes by carrying out applied research. All provinces, water boards, and the Ministry of Transport, Public Works and Water Management are among the 75 participants in STOWA. STOWA has a budget of NLG 10 million. STOWA's fields of activity include flood control, water systems, wastewater systems, information technology and software.

Specialization in the field of water: flood control, water systems and wastewater systems

Services: 2.3 Information Services - databases and libraries; 2.4 Information Services - publications; 2.5 Information Services - software

Tauw BV

Tauw BV
PO Box 133
7400 AC Deventer
The Netherlands
tel.: +31-570-699911
fax: +31-570-699666
e-mail: info.deventer@tauw.nl
<http://www.tauw.nl/>

Established in 1928, Tauw is an independent private company of environmental and civil engineering consultants and laboratories. The company has offices in the Netherlands, Germany, Belgium and France. Tauw employs 1000 staff, of which 400 are environmental engineers, 350 are civil engineers and 150 are laboratory analysts. Tauw's main focus is on pollution abatement and civil engineering for the urban and rural area and the industrial environment.

Areas of expertise include:

- environmental auditing and due diligence assessments
- environmental laboratory
- solid and hazardous waste management
- water management
- soil and groundwater remediation
- air emissions and odour abatement
- environmental management
- policy and planning

Major clients are oil and gas, chemical, food processing and other multinational and local industries, national and local (water) authorities, international financing institutes (EBRD, World Bank, the European Commission) and specialized research institutes and contractors.

Tauw is active in the Mediterranean, Central and Eastern Europe, the Russian Federation, Eastern African and Asia. Tauw has an extensive network of local consultants in over 50 countries.

Specialization in the field of water: wastewater treatment plants; surface water quality; sludge and sediment management; industrial water management; sewage systems; drinking water; water control structures; groundwater management and control; (geo)hydrology; groundwater remediation; solid and hazardous waste management

Services: 4.2 Advisory Services - policy and institutional; 4.3 Advisory Services - technical; 4.5 Advisory Services – environmental; 4.6 Advisory Services - project implementation and management

Tebodin BV

Tebodin BV
PO Box 16029
2500 BA The Hague
The Netherlands
tel.: +31-70-3480911
fax +31-70-3480645
e-mail: info@tebodin.nl
<http://www.tebodin.com>

Tebodin is an independent multi-disciplinary firm of 2000 consultants and engineers operating from approximately 40 offices located across Europe and the Middle East, providing the following services:

- consulting
- project management
- design and engineering
- procurement
- construction management

Tebodin's expertise and knowledge cover the following range of industries and technological areas:

- management and organization - economics, financing, information technology, systems, logistics, quality, safety, environment , energy, legal, organization, and planning;
- technology - process, mechanical, piping, electrical, process control and instrumentation, steel structures, transport, infrastructure, pipelines, geodesy, civil and structural, architecture, building installations (HVAC), building physics, energy, environment.

Specialization in the field of water: water management plans, industrial and municipal water supply, water pollution control, water treatment, especially membrane systems (from microfiltration to reverse osmosis), process and ground water modelling, well protection

Services: 4.3 Advisory Services - technical; 4.6 Advisory Services - project implementation and management

TNU - The European Network University

TNU - The European Network University

Oude Turfmarkt 141
1012 GC, Amsterdam

The Netherlands

tel.: +31-20-5255305

e-mail: info@netuni.uva.nl

<http://www.netuni.nl/>

TNU is a centre for collaborative learning. It is a network of universities and outside experts. TNU is rooted in the University of Amsterdam, the Netherlands. It offers innovative courses online, addressing the learning needs of a worldwide audience of professionals and students.

The goal of The European Network University is to be one of the world's most innovative institutions of higher learning, which:

- links different universities in Europe and elsewhere to the outside world;
- offers manifold opportunities to inspire collaborative learning in degree programmes and expert modules and offers participants access to broad knowledge networks;
- excels in individual tuition to students through several Internet call centres around the world which provide students worldwide with a seamless 24-hour service;
- is a learning organization itself that updates its course material in "real time" (at the moment that interesting submissions take place) by linking its courses to powerful databases continuously amended by the course moderators.

Specialization in the field of water: institutional changes in the urban water and sanitation sector

Services: 3.5 - Education and training - distance learning

UNEP/GPA Coordination Office

GPA Coordination Office
United Nations Environment Programme
PO Box 16227
2500 BE The Hague
The Netherlands
tel.: +31-70-3114460
fax: +31-70-3456648
e-mail: gpa@unep.nl
<http://www.gpa.unep.org/>

The Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA) aims at preventing the degradation of the marine environment from land-based activities by facilitating the duty of states to preserve and protect the marine environment.

The UNEP GPA Coordination Office coordinates the tasks and activities of the programme, which was adopted by 108 governments, and the European Commission, in Washington D.C. in 1995. The role of the secretariat, in close partnership with relevant organizations, is to:

- promote and facilitate implementation of the GPA at the national level;
- promote and facilitate implementation at the regional and sub-regional level through, in particular, a revitalization of the UNEP Regional Seas Programme;
- play a catalytic role with other organizations and institutions in implementation of the GPA at the international level.

As a priority, the governments recommended the establishment of an information and data clearinghouse as a means to mobilize experience and expertise, including facilitation of effective scientific, technical and financial cooperation, as well as capacity-building. The clearinghouse (<http://www.gpa.unep.org/>) provides a rapid and direct referral system to relevant information and data so as to provide appropriate advice and assistance. In effect, the clearing-house provides a mechanism for responding to requests from governments on a timely basis.

Funding for the GPA Coordination Office is derived from the regular budget of UNEP (Environment Fund) and a Technical Co-operation Trust Fund financed by the Netherlands government. A General Trust Fund in support of the implementation of the GPA has been established and is open to financial contributions for activities to be undertaken by the GPA Coordination Office. Projects for GPA implementation by governments could be financed by sources such as the Global Environment Fund (GEF).

Specialization in the field of water: coastal watershed conservation and management, water pollution, sewage pollution

Services: 2.2 Information Services: web portal

UNICEF Nederland (Stichting Nederlands Comité UNICEF)

Stichting Nederlands Comité UNICEF
PO Box 30603
2500 GP The Hague
The Netherlands
tel.: +31-70-3339333
fax: +31-70-382 4774
e-mail: info@unicef.nl
<http://www.unicef.nl/>

UNICEF is mandated by the United Nations General Assembly to advocate for the protection of children's rights; to help meet their basic needs, such as safe drinking water and sanitation; and to expand their opportunities to reach their full potential. UNICEF now works in 161 countries, areas and territories, helping prevent childhood illness and death, making pregnancy and childbirth safe, combating discrimination and cooperating with communities to ensure that girls as well as boys attend school.

UNICEF Nederland is one of the 40 UNICEF National Committees. It has a permanent staff of 45 and 4000 volunteers.

In 1999 UNICEF Nederland raised NLG 108 million of which NLG 90.8 million was made available to UNICEF International for development projects and NLG 5.7 million was spent on promotion and awareness raising. In 1998 UNICEF spent 11% of its project funds on water supply and sanitation.

Specialization in the field of water: promotion and fundraising for safe drinking water supply and sanitation projects in developing countries

Services: 2.7 Information Services - awareness raising and promotion; 5.3 - Netherlands Funding Agencies for IWRM - NGOs, foundations, charities

University of Nijmegen (KUN), Department of Environmental Studies

University of Nijmegen, Department of Environmental Studies

PO Box 9010

6500 GL Nijmegen

The Netherlands

tel.: +31-24-3653281

fax: +31-24-3553450 / +31-24-3653030

e-mail::info-milkun@sci.kun.nl

<http://www-sci.sci.kun.nl/milieukunde/>

The Department of Environmental Studies carries out fundamental and applied research as well as providing undergraduate (M.Sc. in Environmental Science, Dutch only) and graduate (Ph.D.) education.

The department's research programme comprises two sub-programmes:

- ecological quality and ecological restoration of European river basins and estuaries
- ecological quality and ecological restoration of tropical river mouths and coastal areas

Specialization in the field of water: integrated water management, water pollution, ecology of river basins

Services: 4.5 Advisory services - environmental

University of Twente, Water Resources Management Department

Water Resources Management Department
Civil Engineering and Management
Faculty of Technology and Management
University of Twente
PO Box 217
7500 AE Enschede
The Netherlands
Tel.: +31-53-4893546
Fax: +31-53-4894040
e-mail: c.b.vreugdenhil@sms.utwente.nl / h.g.wind@sms.utwente.nl
<http://www.sms.utwente.nl/>

The Water Resources Management Department's research is concerned with the two topics: river basins and decision support systems for water management. The object of the research is formed by water-related phenomena, measures or methods relevant for various types of water use with the aim of facilitating decision making. Besides in the Netherlands, river basin projects are also being carried out in Sulawesi (Indonesia) and along the Red River (Viet Nam).

Specialization in the field of water: river basin water management, decision support systems for water management

Services: 4.5 Advisory services - environmental

Utrecht University, Faculty of Geographical Sciences

Faculty of Geographical Sciences

Utrecht University

Postbus 80115

3508 TC Utrecht

The Netherlands

tel.: +31-30-2532044

fax: +31-30-2540604

e-mail: r.deboer@geog.uu.nl (Physical Geography) / t.schouten@geog.uu.nl
(Environmental Studies)

<http://www.geog.uu.nl/>

The Department of Physical Geography within the Faculty of Geographical Sciences is responsible for teaching and research regarding the natural phenomena and processes that occur at and near the earth surface. This includes the effects of climate change, erosion in mountainous areas, coastal retreatment, river flooding, soil and water pollution. Special attention is given to water quality of surface water and groundwater, sedimentation transport processes in water and rivers, and coastal and soil erosion.

The Environment Studies Department within the Faculty of Geographical Sciences conducts research and courses on the influence of societal activities on the physical environment. Special attention is given to threats to natural ecosystems and government policies to prevent environmental problems.

Specialization in the field of water: water pollution, surface water and groundwater quality, sedimentation

Services: 3.3. Education and Training in IWRM - short courses; 4.5 Advisory services - environmental

VEWIN - Netherlands Waterworks Association

VEWIN
PO Box 1019
2280 CA Rijswijk
The Netherlands
tel.: +31-70-4144750
fax: +31-70-4144420
e-mail: info@vewin.nl
<http://www.waterleiding.nl>

VEWIN is the umbrella organization of the water supply companies in the Netherlands. It provides professional support to its members and acts as a knowledge and information centre through its working groups and commissions, technical publications and manuals, web site and publicity materials (nearly all in Dutch). VEWIN has three units: Water and Environment, Client and Quality, and Economics and Society. There are working groups and commissions dealing with topics such as normalization, quality control, water meters, sustainable domestic water use, and benchmarking.

Specialization in the field of water: drinking water supply, technical standards, water meters, water conservation, benchmarking.

Services: 2.2 Information Services - web portals; 2.4 Information Services - publications; 2.7 Information Services - awareness raising and promotion

Wageningen University, Department of Environmental Sciences

The following sub-departments/groups deal with water:

- Sub-Department of Water Resources
- Aquatic Ecology and Water Quality Management Group
- Erosion and Soil and Water Conservation Group
- Irrigation and Water Engineering Group

Sub-Department of Water Resources, Department of Environmental Sciences

Wageningen University

De Nieuwlanden, Nieuwe Kanaal 11

6709 PA Wageningen

The Netherlands

tel.: +31-317-482778

fax: +31-317-484885

e-mail: office@sec.whh.wau.nl

<http://www.dow.wau.nl/whh/>

Education and research of the Sub-Department of Water Resources deals with the terrestrial part of the hydrological cycle, which implies investigating dynamic processes such as precipitation, surface runoff, infiltration, evapotranspiration and crop production, unsaturated and saturated groundwater flow, and stream flow. Water and solute flows are investigated on small scales (soil cores, lysimeters and experimental fields) and on larger scales (from watersheds to continents). An important feature is the conceptual and mathematical description of the relevant dynamic processes in computer models.

Aquatic Ecology and Water Quality Management Group, Department of

Environmental Sciences

Wageningen University

PO Box 8080

6700 DD Wageningen

The Netherlands

tel.: +31-317-483898

fax +31-317-484411

<http://www.slm.wau.nl/wkao/>

The research of this group focuses on the physical, chemical and biological processes occurring predominantly in freshwater ecosystems. The main goal is to develop new knowledge and better instruments for restoration and management of aquatic ecosystems.

The research is multidisciplinary (environmental engineering, environmental chemistry and aquatic ecology) and ranges from the laboratory scale (detailed process studies) to the scale of actual ecosystems (field studies). The multidisciplinary expertise of the team comes together in the development of integrated models for ecosystem and water quality management. The research approach thus is quantitative with a strong emphasis on state-of-the-art statistical and modelling techniques. Three main areas of research are identified:

- the effects of biota on the transport and fate of micropollutants and nutrients;
- the effects of substances on the functioning and biodiversity of natural aquatic communities;

- the feedback between physical dynamics (flow conditions, turbulence) and biota in aquatic systems.

Erosion and Soil and Water Conservation Group, Department of Environmental Sciences

Wageningen University

De Nieuwlanden, Nieuwe Kanaal 11

6709 PA Wageningen

The Netherlands

tel.: +31-317-484190

fax: +31-317-484759

e-mail: office@sec.tct.wau.nl

<http://www.dow.wau.nl/eswc/>

The group studies technical and socio-economic processes which cause land degradation in rainfed ecosystems mainly in developing countries.

The objectives of the ESWC research programme are:

- to improve knowledge of processes and to develop concepts, models and methodologies of water and wind erosion;
- to improve the planning and design of soil and water conservation measures;
- to improve the assessment and impact of such measures for users and other actors.

Irrigation and Water Engineering Group, Department of Environmental Sciences

Wageningen University

De Nieuwlanden, Nieuwe Kanaal 11

6709 PA Wageningen

The Netherlands

tel.: +31-317-484190

fax: +31-317-484759

e-mail: office@sec.tct.wau.nl

<http://www.slm.wau.nl/irr/>

Within this group, irrigation is studied as a socio-technical system, such that the social dimensions of irrigation technology and irrigated agriculture are considered integrally with the physical behaviour of irrigation infrastructure and ecological dynamics of irrigated production. Research relates to irrigation design and implementation, irrigation practices of farmers, environment-related issues and the inter-relation of irrigation technology and management institutions. The group researches the dynamics of local and agency action in irrigation, public intervention programmes of privatization, poverty alleviation and modernization. Research programmes are conducted with the national research programme 'Resource Studies for Development' (CERES). The group has direct Inter-University collaboration programmes with centres in Bolivia, Pakistan, Mozambique and Zimbabwe and maintains a large number of informal links. The group participates in a number of networks and has 'Memos of Understanding' with the International Water Management Institute (IWMI), Sri Lanka, and with national organizations in Nepal and Pakistan to facilitate exchange of personnel and research work.

The group undertakes advisory work related to projects for design operations and institutional development in irrigation systems, as well as in broader development-related fields of poverty alleviation, food security and watershed management.

Specialization in the field of water: remote sensing, agro-ecohydrology, soil physics, groundwater management; hydrogeology, catchment hydrology, hydraulics, integrated water resources management, aquatic ecology, water quality management, water conservation, irrigation

Services: 2.3 Information Services - databases and libraries; 3.2 Education and Training - degree courses; 4.3 Advisory services - technical; 4.4 Advisory services - social and economic 4.5 Advisory services - environmental

WASTE

WASTE

Nieuwehaven 201
2801 CW Gouda
The Netherlands
tel.: +31-182-522625
fax +31-182-550313
e-mail: office@waste.nl
http://www.waste.nl

WASTE is a non-profit organization for development projects in countries in Africa, Asia and Latin America. WASTE works for organizations that aim at sustainable improvement of the living conditions of the urban low-income population and of the urban environment in general, with an emphasis on community participation.

WASTE is active in three fields:

- solid waste management and resource recovery
- low-cost sanitation and liquid waste management
- community-based environmental improvement

The focus of activities is on low-income urban areas in order to develop with local residents tools and means for their own development, enabling them to improve their living conditions, the environment, and to create employment as a sound economic base for their future.

Another important focal point for WASTE is the role of small-scale entrepreneurs, their (potential) contribution to the provision of urban services and their integration in the municipal services e.g. in resource recovery and the removal of urban waste.

Specialization in the field of water: solid waste management, low-cost sanitation and wastewater treatment/management

Services: 2.4 Information services - publications; 4.3 Advisory Services - technical; 4.4 Advisory Services - social and economic; 6.2 Long-Term Programmes - global

Wateropleidingen, Stichting

Stichting Wateropleidingen
PO Box 1410
3430 BK Nieuwegein
The Netherlands
tel.: +31-30-6069400
fax: +31-30-6069401
e-mail: info@wateropleidingen.nl
<http://www.waterland.net/wateropleidingen>

Wateropleidingen is a training institute providing education in connection with the water chain and the water system. Wateropleidingen was founded in 1993 by the VEWIN (the Netherlands Water Works Association), the VWN (the Netherlands Association of Water Professionals), Kiwa NV and the NVA (Netherlands Association for Water Management) with the objective of promoting and organizing training programmes for the water works.

Wateropleidingen is specialized in those training programmes in which a technical knowledge and background play an important role. All training programmes are focused on knowledge and its application in practice. The programmes are either focused on junior, senior and higher levels of secondary vocational education, or at academic level.

The content of the training programmes and courses is decided in consultation with the water works. Professionals from the water works are responsible for the lessons, instructions, and the examinations. The traditional method of lecturing is increasingly being supplemented by other educational methods such as assignments, supervised instruction and cases.

The training programmes and courses cover a wide range of disciplines from water intake to distribution and nature management; and from sewerage to wastewater treatment and sludge processing to water management, the reuse of water and integral quality assurance.

Specialization in the field of water: water management, industrial water supply, water treatment, sewerage, water distribution, water supply

Services: 3.3 - Education and training - short courses; 3.5 - Education and training - distance learning

Wetlands International - Africa, Europe, Middle East (AEME)

Wetlands International - Africa, Europe, Middle East (AEME)

PO Box: 7002

6700 CA Wageningen

The Netherlands

tel.: +31-317-478884

fax: +31-317-478885

e-mail: post@wetlands.agro.nl

<http://www.wetlands.agro.nl/>

Wetlands International is a leading non-profit organization concerned with the conservation of wetlands and wetland species (particularly water birds). It comprises a global network of governmental and non-governmental experts working on wetlands. Activities are undertaken in more than 120 countries worldwide. Wetlands International comprises: Wetlands International - Asia Pacific (based in Malaysia); Wetlands International - The Americas (based in Canada); and Wetlands International - Africa, Europe, Middle East (based in the Netherlands).

Wetlands International's mission is to sustain and restore wetlands, their resources and biodiversity for future generations through research, information exchange and conservation activities in Africa, Europe and the Middle East.

Wetlands International helps to develop and promote the Ramsar Convention, and specialized agreements such as the Agreement on the Conservation of African-Eurasian Migratory Water Birds of the Bonn Convention, and through the Biodiversity Convention.

Wetlands International works through sub-regional programmes in Russia, Central and North-West Europe, Black Sea Basin, West Africa and Middle East and North Africa.

Specialization in the field of water: wetland conservation

Services: 2.3 Information Services - databases and libraries; 2.4 Information Services - publications; 2.7 Information Services - awareness raising and promotion; 4.2 Advisory Services - policy and institutional; 4.5 Advisory Services - environmental

Witteveen+Bos

Witteveen+Bos
PO Box 233
7400 AE Deventer
The Netherlands
tel.: +31-570-697911
fax: +31-570-697344
e-mail: info@witbo.nl
<http://www.witteveenbos.nl>

Witteveen+Bos is a group of over 600 professionals who provide consulting services in the areas of water, infrastructure, environment and construction. These services can range from technical advice to project organization and project management. Especially in large-scale integral and multidisciplinary projects, the company cooperates with other market players at both national and international level. Customers are central government, provincial and local authorities, water boards, water quality boards and private companies. The company has worked on projects in Bangladesh, Indonesia, and Bosnia.

Specialization in the field of water: groundwater, surface water, water ecology, integral water management; abstraction, treatment and distribution of drinking water; abstraction, treatment and distribution of household water; transport and treatment of household and industrial wastewater, sludge processing

Services: 4.2 Advisory services - policy and institutional; 4.3 Advisory services - technical; 4.5 Advisory services - environmental

WL | Delft Hydraulics

WL | Delft Hydraulics
PO Box 177
2600 MH Delft
The Netherlands
tel.: +31-15-2858585
fax: +31-15-2858582
e-mail: info@wldelft.nl
<http://www.wldelft.nl/>

WL | Delft Hydraulics' mission is to conduct research and advisory services in four main areas:

- safety against flooding
- planning and management of water systems
- availability of fresh water resources of sufficient quality
- optimization of industrial processes

WL | Delft Hydraulics is a worldwide operating, independent consulting and research institute with a staff of over 400 professionals working in the fields of hydrology, hydraulics, morphology, water quality and ecology. It provides expert advice and technical assistance on a wide variety of issues relating to water, other fluids and gasses. Projects range from applied research, consulting services and knowledge transfer to multidisciplinary policy and planning studies.

WL | Delft Hydraulics has a full range of experiment facilities and computer programmes, most of which have been developed and validated by in-house experts. On the basis of a sound understanding of the processes involved, all water systems can be simulated numerically, experimentally or through a combination of the two.

WL | Delft Hydraulics has four main departments:

- Inland Water Systems
- Marine and Coastal Management
- Marine, Coastal and Industrial Infrastructure
- Development and Support

Specialization in the field of water: flood management and hydrology, river engineering and morphology, water quality and ecology, regional and municipal water management, integrated river basin management

Services: 2.6 Information Services - software; 4.3 Advisory services - technical; 4.5 Advisory services - environmental

Working Group on Development Techniques (WOT)

WOT
University of Twente
PO Box 217
7500 AE Enschede
The Netherlands
tel.: +31-53-4892845
fax: +31-53-4892671 (att. WOT)
e-mail: wot@tdg.utwente.nl
<http://www.wot.utwente.nl/index.html>

The WOT is active in the field of small-scale sustainable energy for developing countries. WOT provides free advice to people and organizations in developing countries.

Fields of activity include: water pumping, electricity generation, impulsion, cooking, drying and water warming.

Specialization in the field of water: hydraulic ram pumps, rope pumps, wind-powered pumps

Services: 4.3 Advisory services - technical

World Wide Water Awareness Foundation

World Wide Water Awareness Foundation

Chabotlaan 159

3055 AE Rotterdam

The Netherlands

fax: +31-10-218773

e-mail: water@jci.nl

<http://www.water-awareness.nl/>

The World Wide Water Awareness Foundation was founded in 1997 by the Junior Chamber Rotterdam with the objective to increase the worldwide awareness of the scarcity of fresh water. This will be done by internationally exchanging views, ideas, and projects on this topic using the worldwide Junior Chamber network. A WATER book has been published and projects have started in Iceland and Nepal.

Services: 2.7 Information Services - awareness raising and promotion

World Wildlife Fund for Nature - The Netherlands

World Wildlife Fund for Nature (WWF) - The Netherlands

PO Box 7

3700 AA Zeist

The Netherlands

tel.: +31-30-6937333

fax: +31-30-6912064

e-mail: info@wnf.nl

<http://www.wnf.nl>

WWF - World Wildlife Fund for Nature is the world's largest and most experienced independent conservation organization, with around 5 million supporters and a global network of 27 National Organizations, 5 Associates, and 21 Programme Offices.

Specialization in the field of water: wetland restoration and conservation

Services: 2.7 Information Services - awareness raising and promotion; 6.2 Long-Term Programmes - global