



# Newsletter

## About Decentralized Wastewater Treatment Solutions & Proper Sanitation

For human dignity and urban environmental protection  
Improved Sanitation for All!

Volume 3 | Issue 4 | Dec. 2010  
A BORDA BNS Network Publication

The **DEWATS Newsletter**, published quarterly by BORDA in Bremen, constitutes a compilation of links to articles about DEWATS and sanitation from the BNS Network partners, posted on BORDA websites from Southeast-Asia, South-Asia, Africa and Germany. The articles reflect actual aspects of current programme work.

The **BORDA BNS Network** is an international forum of organizations and institutions working to strengthen the dissemination of decentralized Basic Needs Services (BNS). It consists of organizations and institutions working together as partners with the Bremen Overseas Research and Development Association (BORDA) in development programmes in Africa and Asia. Their shared mission is to improve the livelihoods of disadvantaged groups within societies and to sustain the functioning of ecosystems by dissemination of demand oriented Basic Needs Services in the fields of decentralized wastewater treatment, sanitation, water and energy supply as well as solid waste management.

### Call for donations and start of fundraising campaign BORDA helps 2011

**Germany-based Asia-Pacific Business Association (OAV) donates 33,000 Euro**

*By BORDA Germany, Nov. 30, 2010*

Our fundraising campaign **BORDA helps – School should not make sick!** is making an important contribution to improving sanitation basic needs in schools in Asia and Southern Africa. Once again, we therefore ask for your support for our fundraising campaign **BORDA helps**. Because "*School should not make sick!*".

Just like in recent years, we want to reduce the risk of infections of school kids and secure a safe and humane daily routine in schools by improving sanitary facilities for schools in Asia and Southern Africa or making them available.

[Read article](#)



## Germany

[www.borda-net.org](http://www.borda-net.org)

**BORDA Head Office | Bremen | Germany**  
Bremen Overseas Research and Development Association



### Call for donations and start of fundraising campaign BORDA helps 2011

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*By BORDA Germany, November 30, 2010*

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### Development Cooperation And The Roles Of Volunteers

On October 20, 2010 BORDA, econtur and Sportgarten Bremen will do a public information event about "Development Cooperation And The Roles Of Volunteers - Project Reports About Water And Development From Three Continents" at the "Haus der Wissenschaft" in Bremen, Germany. ...

*By BORDA Germany, September 27, 2010*

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Member of:



partner of  
sustainable  
sanitation  
alliance

## **SADC Region** Southern African Development Community Tanzania

[www.borda-sadc.org](http://www.borda-sadc.org)

**BORDA Southern Africa Programme Office | Dar Es Salam | Tanzania**  
Bremen Overseas Research and Development Association



### School sanitation in Tanzania

Research and practical experience have illustrated the link between sanitation, health and education. It has been shown that safe water and sanitation in schools leads to better health. This, in turn, increases school attendance as well as the ability to learn. However, sanitation facilities in many Tanzanian schools are poor ...

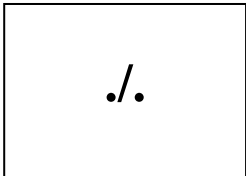
By Anika Scholz (BORDA SADC Regional Office), December 07, 2010

[Read article](#)

## Lesotho

[www.ted-biogas.org](http://www.ted-biogas.org)

**TED | Maseru | Lesotho**  
Technology for Economic Development (TED)



### Micro Filtration - An alternative post-treatment for a DEWATS setup?

A standard BORDA DEWATS (Decentralised Wastewater Treatment System) consists of three modules. These are: pre-treatment, the Biogas Digester; intermediate treatment, the Anaerobic Baffled Reactor (ABR); and post-treatment, the Planted Gravel Filter (PGF). ...

By Ruben Zahlten (TED, Lesotho), November 29, 2010

[Read article](#)

## Zambia

[www.wasaza.org.zm](http://www.wasaza.org.zm)

**WASAZA | Lusaka | Zambia**  
Water and Sanitation Association of Zambia



### Improved Sanitation Remained a Challenge for Most Zambian Households

ood sanitation, together with good hygiene and safe drinking water, has long been recognized as essential to keeping people healthy. However, access to improved sanitation has remained a challenge for most Zambian households especially in peri-urban, rural and low-income communities. ...

By Nina Boerning (WASAZA), December 07, 2010

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## **South East Asia Region** Indonesia

[www.borda-sea.org](http://www.borda-sea.org)

**BORDA South East Asia Programme Office | Yogyakarta | Indonesia**  
Bremen Overseas Research and Development Association



### Selamat Datang Weltwaerts 2010 - 2011

It was crowded at the BORDA office in Jogja on Monday afternoon (6/12) when six Weltwaerts volunteers arrived from Bali. This is the 3rd time BORDA receives Weltwaerts volunteers since 2008. The first Weltwaerts volunteers came in September 2008 and then 2nd Waeltwaert generation came around September 2009. ...

By Didin Jamaludin (BORDA Indonesia), December 09, 2010

[Read article](#)

## Indonesia cont.

www.borda-sea.org

**BORDA South East Asia Programme Office | Yogyakarta | Indonesia**

Bremen Overseas Research and Development Association

**DEWATS, A First-Class Brand For Wastewater Treatment Plants in Indonesia**

It is a pleasure to announce that BORDA has officially registered DEWATS as a brand of the service package in Indonesia under brand ID# IDM000192818. DEWATS as a brand ensures the standard quality of the wastewater treatment technology that processes wastewater from houses and from communal wastewater before ...

By Didin Jamaludin (BORDA Indonesia), December 09, 2010

[Read article](#)**LAB Test and Audit of 2008 DEWATS Project BEST Surabaya**

The second audit is to ensure that the partner has solved the problem identified during the first audit result a year ago. From 25 to 31 October 2011, the Research & Development team has done a second audit to five DEWATS locations of BEST Surabaya in East Java. ...

By Sri Peni Wijayanti (BORDA Indonesia), November 24, 2010

[Read article](#)**The Toilet Business is a Serious Business**

A blue print of a DEWATS technical drawing is easy to get, but making a sustainable waste water treatment plant is not just copy-paste work. Having high quality DEWATS plants and to deliver sustainable community-based projects with waste water treatment plants around the globe is BORDA's basic principle. ...

By Septa (BORDA Indonesia), November 24, 2010

[Read article](#)**Southeast Asia, same same but different**

Be the first one to know of the Southeast Asia's biggest challenge in the sanitation sector. If you are a frequent traveler to Southeast Asian countries, you might have heard the expression "same same but different" especially in Thailand and Vietnam. ...

By Didin Jamaludin (BORDA Indonesia), November 23, 2010

[Read article](#)**Mount Merapi - A Beauty and The Beast**

How the BORDA office reacts on the latest eruptions of the Volcano Merapi. This picture was taken on Sunday, 7 November 2010 around 4pm at Klaten area. If you open this picture file you will find the geotagging. This area is near Dompok village where we distributed the donations for Merapi ...

By Didin Jamaludin (BORDA Indonesia), November 18, 2010

[Read article](#)**BORDA Respond to Merapi Disaster**

Yes, we are sitting on a "ring of fire" this is also why Jawa Island is so fertile and why you find "java coffee" everywhere in the world. BORDA has been in Yogyakarta for more than 20 years where our SEA Regional Office is located within 20 – 25KM away from the Merapi Volcano which considered ...

By Didin Jamaludin (BORDA Indonesia), November 12, 2010

[Read article](#)**12 Days "From Tip to Toe" Research on DEWATS at Solo, Central Java**

After long months of preparation in the end of September finally started the two weeks Observation project at the Community Sanitation Center in Sangkrah, Surakarta/Solo. The Team consisted of R&D Coordinator Peni, Esti and Ika in charge of the lab, Hendro, Dika, Feri and Gerrit for the mechanics, the general monitoring, and ...

By Gerrit Meyer-Rieke (BORDA Indonesia), October 28, 2010

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www.balifokus.asia

**Balifokus | Bali | Indonesia**

Yayasan Bali Fokus - (Bali Fokus Foundation)

**And The Green Award Goes to BALIFOKUS**

"The totality of Balifokus policies in contributing to the improvement of global climate changes has brought Balifokus in winning the prestigious "Golden" Green Award Indonesia 2010 " Theme of the event was "For the Sustainable of Human and Nature" aims to equalize the green perception ...

By Arimbawa (BALIFOKUS, Indonesia), November 23, 2010

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## Indonesia cont.

www.balifokus.org

**Balifokus | Bali | Indonesia**  
Yayasan Bali Fokus - (Bali Fokus Foundation)**BALIFOKUS****Monitoring and Evaluation (MonEv) of DEWAT Plants in Denpasar, Bali****MonEV ensures that DEWATS performance meet our expectation**

Monitoring and Evaluation (MonEv) activities aims to monitor and evaluate the performance of the DEWATS System. It is to ensure the sustainability of DEWATS plants which have been built by BORDA partners. ...

By Arimbawa (BALIFOKUS, Indonesia), November 22, 2010

[Read article](#)**BALIFOKUS Built Two DEWATS Plants in Kupang, East Nusa Tenggara****More than 130 household or about 400 people/day expected to stop open defecation in East Nusa Tenggara**

In 2010 Balifokus in East Nusa Tenggara has implemented Community-Based Environmental Sanitation (SLBM) program at two locations in Kupang Regency; 1) at the Oesao Market, Oesao Sub-district, ...

By Arimbawa (BALIFOKUS, Indonesia), November 22, 2010

[Read article](#)**People Preferred to Have Private Toilet in Tabanan, Bali**

Two DEWATS SSS (Sewerage Sanitation System) suit the needs of people in Tabanan, Bali. Having a private toilet at home and good system in managing waste-water in the same time is a good living choice. Tabanan people Bali has chosen this DEWATS technology to connect their home-toilet ...

By Arimbawa (BALIFOKUS, Indonesia), November 22, 2010

[Read article](#)**Magic Show on the DEWATS Plant, Why Not ?**

Toilet is a social place where people interact each others. It was a sunny day and everyone in Kampung Kodok (Tabanan) were still with their routines. Down to Tabanan (Bali), Kampung Kodok is one of the villages where there is a Sanimas (Sanitasi Berbasis Masyarakat) ...

By Arimbawa (BALIFOKUS, Indonesia), November 02, 2010

[Read article](#)**DEWATS Prospect intervention 2010 at Lombok, East Indonesia**

To select the right location for the DEWATS intervention for 2010 in East Indonesia, BALIFOKUS has done Feasibility Study in eight locations, covering three regencies. ...

By Arimbawa (BALIFOKUS, Indonesia), November 01, 2010

[Read article](#)**BALIFOKUS trained Lombok Sanitarian on DEWATS Management**

2010 Self-Help Groups (KSM) Direct Community Based Sanitation (SLBM) training for the Province of Nusa Tenggara Barat.

The event was organized by the Province of Nusa Tenggara Barat Work Unit (SatKer) of Development and ...

By Arimbawa (BALIFOKUS, Indonesia), October 28, 2010

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## Cambodia

www.borda-sea.org

**BORDA Cambodia Project Office | Phnom Penh | Cambodia**  
Bremen Overseas Research and Development Association**Kampt City Interests to have DEWATS Plants**

Kampt City with population approximately 40,000 inhabitant is located about three hours south of the capital Phnom Penh close to the coast and the border with Vietnam. It's very famous for its black pepper, crabs, coconuts and fish sauce. ...

By Alex Campbell (BORDA, Cambodia), November 08, 2009

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## Vietnam

[www.borda-sea.org](http://www.borda-sea.org)

**BORDA VAWR Project Office | Hanoi | Vietnam**

Bremen Overseas Research and Development Association



### DEWATS-BIOGAS save cost of agriculture business

#### DEWATS' Promotion for Agriculture in Vietnam - Joint workshop with COSTE and JICA

On the 4th and 5th of November, 2010, BORDA Vietnam in collaboration with the Japan International Cooperation Agency (JICA) as well as the Center of Science, Technology and Environment (COSTE) ...

By Joerg Hauke (BORDA, Vietnam), November 19, 2010

[Read article](#)



### Looking for Sanitation Business in Red River Delta, Vietnam?

#### TECHMART 2010 IN QUANG NINH, Ha Long City, Vietnam

There were 163 units, organizations and individuals participating in Quang Ninh Techmart 2010 with over 840 technology, equipment and products offered for sale. ...

By Joerg Hauke (BORDA, Vietnam), October 21, 2010

[Read article](#)



### Clean city attracts more tourists

MoU signed with INT / CEEM in Vietnam to provide eco-friendly tourists facilities.

One business segment of the Vietnam based Hai Linh Investment for Tourism and Trading (INT) – Group is focusing on the development of real estate and touristic areas. ...

By Joerg Hauke (BORDA Vietnam), October 14, 2010

[Read article](#)



### Who said DEWATS only for Big Scale Treatment

#### DEWATS for a single family house in Thanh Oai Ward, Huu Hoa Commune, Thanh Tri District, Hanoi

In many households in Vietnam septic tanks without a facility for desludging are installed as the only treatment and cleaning stage. The cleaning capacity is often insufficient. To improve the situation a DEWATS plant for ....

By Joerg Hauke (BORDA Vietnam), October 14, 2010

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## Philippines

**BNS | Quezon City | Philippines**

Basic Needs Services Philippines Inc.



### 1st BNS's DEWATS CBS in the Philippines

BNS Philippines ready to implement more CBS (Community Base Sanitation) to improve the urban people access to an adequate sanitation facility at community level.

CBS is a program to solve sanitation problems based on the demand from the community. ...

By Christine Limbog (BNS Philippines) December 06, 2010

[Read article](#)



### Laos is a home away from home

A note about good things a Pinoy learnt from Laosan and good things to share the knowledge and experience inter BORDA partner in South East Asia.

It is really strange when you have to go to a foreign country that you never been before. You will always ask...

By Warly Mahusay (BNS Philippines), December 06, 2010

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## Laos

[www.lao-lire.org/](http://www.lao-lire.org/)**LIRE | Vietiane | Laos**

Lao Institute for Renewable Energy

**BORDA-JICA Empowered Laosan in Improving Personal Hygiene**

Students and village residents learn how to keep the water environment clean and life healthy. How do we wash our hands properly and when do we need to wash them? How do we keep ourselves healthy and in return keep the environment clean and safe? Considering these and many other aspects, a water ...

By Kieu Ly Doan (LIRE Laos), October 25, 2010

[Read article](#)**South Asia Region  
India**[www.borda-sa.org](http://www.borda-sa.org)**BORDA South Asia Programme Office | Bangalore | India**

Bremen Overseas Research and Development Association

[www.cddindia.org](http://www.cddindia.org)**CDD | Bangalore | India**

Consortium for Dissemination of DEWATS

**Training on Citywide Sanitation Planning - Revised Dates**

CDD Society announces a 5-days training programme on Citywide Sanitation Planning from January 17th to 21st 2011 in Bangalore. The training aims at introducing the concept of citywide sanitation planning, imparting skills for preparation of citywide sanitation plans with an inclusive approach. ...

By Susmita Sinha (CDD Society, Bangalore), December 07, 2010

[Read article](#)**Engineers' Training on DEWATS**

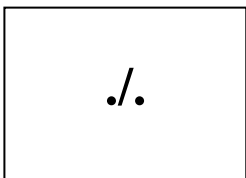
The International Engineers' Training on DEWATS was conducted from 8th to 13th November, 2010 at Centre for Advanced Sanitation Solutions (CASS), Bangalore. CDD Society with the support of BORDA, Germany and Rajiv Gandhi Rural Housing Corporation Limited (RGRHCL), Bangalore organised the training programme. ...

By Swadha Das Mohapatra (CDD Society), November 25, 2010

[Read article](#)**International Engineers' Training on DEWATS at Nepal**

Engineers and professionals from 7 countries participated in the International Engineers' Training on DEWATS organised by CDD Society in collaboration with ENPHO at Nagarkot and Kathmandu in Nepal. This Training Programme was supported by Bremen Overseas Research and Development Association (BORDA), ...

By Susmita Sinha (CDD Society, Bangalore), October 13, 2010

[Read article](#)**CDD Network expands with New Members**

CDD Society is pleased to welcome 3 new members in the network.  
Reflow (DSTS- Decentralised Sewage Treatment System)  
EcoPro  
CfID (Centre for Integrated Development) ...

By Joe D'Souza (CDD Society, Bangalore), June 21, 2010

[Read article](#)[www.dhan.org](http://www.dhan.org)**DHAN Foundation | Tamil Nadu | India**

Development of Humane Action

**Workshop on "Case Studies on Innovations in Wash Experiences among South NGOs**

The UNICEF/WHO studies indicate that the Water Supply and Sanitation Millennium Development Goal (MDG) target will not be achieved with the most unserved populations in rural Asia and Africa. The fact is that a number of organisations involved in addressing the water and sanitation issues in South Asia are very limited ...

By R. Devika (DHAN Foundation), December 07, 2010

[Read article](#)

## India cont.

www.dhan.org

**DHAN Foundation | Tamil Nadu | India**

Development of Humane Action

**Global Handwashing Day 2010**

Global Handwashing Day is a campaign to motivate and mobilise millions around the world to wash their hands with soap. The campaign is dedicated to raising awareness on hand washing with soap as a key approach to prevention of diseases. The UN General Assembly had designated 2008, the International Year of Sanitation, ...

By R. Devika (DHAN Foundation), November 12, 2010

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**Second Regional Awareness Conference on Water and Wastewater**

IWWA (Indian Water Works Association) is the only body of professionals dealing with water and wastewater-related issues and solutions. It has its headquarters in Mumbai. IWWA has 27 centres spread across the Country with 7,000 members. The members are water and wastewater professionals, ...

By R. Devika (DHAN Foundation), October 15, 2010

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www.exnora  
international.org**EXNORA International | Chennai | India**

Excellent Novel and Radical Ideas

**New enquiries- result of continuous dissemination for DEWATS and DESWAM**

There has been a steady increase in the number of enquiries with ExNoRa International for decentralised solid and liquid waste management solutions from educational institutions, private organisations, and local bodies. The mounting garbage in the streets of big cities and small towns, and the increasing volume of ,...

By V. Ganapathy (ExNoRa), October 15, 2010

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**Inauguration of Menstrual Hygiene Management Consortium**

The inauguration of the Menstrual Hygiene Management Consortium (MHMC) of the Tamil Nadu at Chennai on 13th August 2010 marked a new chapter in women's empowerment and gender freedom. If sanitation has a very low priority in the the history of human development, ...

By V. Ganapathy (ExNoRa), September 15, 2010

[Read article](#)

www.iyw-india.org

**IYW | Nagpur | India**

Indian Institute of Youth Welfare

**Sensitising students towards Healthy Environment**

It is obvious that the habits of cleanliness and environmental sanitation are to be imbibed right from childhood. To bring about total change in behavioral aspects pertaining to personal hygiene, children have to be targetted. The intervention towards inculcating good habits in children is a critical need of the hour. ...

By Shubhangi Jangle (IYW), December 07, 2010

[Read article](#)
**"Clean and Green Campaign" at Kalmeshwar, Nagpur**

Kalmeshwar is a municipal council in Nagpur District with a population of around 20,000, 35 km from the Nagpur City. IYW (Indian Institute of Youth Welfare) and RCO (CDD Regional Cooperation office-Nagpur) have been working with the Kalmeshwar Municipal Council for the last 3 to 4 years. ...

By Shilpa Mirashi (IYW), December 07, 2010

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www.rhpmysore.org

**RLHP | Mysore | India**

Rural Health &amp; Literacy Programme

**A Viable Participatory Sanitation Approach**

Since the solemn declaration of the millennium development goals, international and national agencies, and governments have been making efforts, often skewed, to realise these goals. In many cases, such efforts have ignored the ground reality of the conditions of the marginalised poor and the participatory role of the poor ...

By Dr. G. William (RLHP), November 12, 2010

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## India cont.

www.rhpmysore.org

**RLHP | Mysore | India**

Rural Health &amp; Literacy Programme

**Relevance of Health Impact Assessment study...a benchmark tool**

The 1948 Universal Declaration of Human Rights affirms that "everyone has the right to a standard of living adequate for the health and well-being of himself and his family, including food, clothing, housing and medical care and necessary social services ..." At all levels of development one of the three essential capabilities for ...

By Dr. G. William (RLHP), August 09, 2010

[Read article](#)

vignanjijay.org/

**Vigyan Vijay Foundation | Dehli | India**

The Vigyan Vijay Foundation (VVF)

**Workshop on Handbook on Ecological Sanitation**

A one-day workshop was conducted on 31st August 2010 at the Indian Institute of Technology, New Delhi, to develop the contents of the "Handbook on Ecological Sanitation".. The project for development of this Handbook has been funded by the Water and Sanitation Section of UNICEF

By Ajit Seshadri (The Vigyan Vijay Foundation), October 15, 2010

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## Nepal

www.enpho.org

**ENPHO | Kathmandu (East) | Nepal**

Environment and Public Health Organization

**Training Participants Highlight Potential for DEWATS in Asia**

"International Engineers Training in Decentralised Wastewater Treatment Systems (DEWATS)" organized by ENPHO, CDD and Central Human Resource Development Unit (CHRDU) of the Department of Water Supply and Sewerage, Government of Nepal, in partnership with BORDA and UN HABITAT in October 2010, provided ...

By Freya Mills (ENPHO), December 07, 2010

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Subscribe to the [e-Disha](#) newsletter

#### e-Disha Newsletter bi-monthly published by CDD

The Indian Consortium for Dissemination of *DEWATS* (CDD) publishes the electronic newsletter on *DEWATS* Information for Sustainable Habitation "e-Disha" regularly.

It is CDD's endeavour to promote *DEWATS* and sustainable habitation by providing a deeper understanding of the scope of *DEWATS* and strategies for basic need services.

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