



Newsletter

About Decentralized Wastewater Treatment Solutions & Proper Sanitation

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

Volume 4 | Issue 1 | March 2011
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 organisations and institutions working to strengthen the dissemination of decentralized Basic Needs Services (BNS). It consists of organisations 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.

"Urban Sanitation for All" - Expert Conference about DEWATS Manila 25 - 28 May 2011

By **BORDA Germany**,
March 11, 2011

BORDA, their partner organisation International Water Association (IWA) (WSP) and others organize a conference on "Decentralised Wastewater Treatment Solutions in Developing Countries" in Manila, Philippines on 25 - 28 May 2011.

By their strategic plan and the initiative "Urban Sanitation for All" IWA is demonstrating commitment to the implementation of comprehensive and long-term solutions to urban sanitation problems. Rapid population growth and intense urbanisation pose immense challenges for development countries. In Asia about 45% of the population live in urban agglomerations today. By 2030 it is estimated that this rate will increase to 60%. As well population densities in Asian cities are much higher than in other countries, and the predominance of poverty in urban slums is ubiquitous throughout the region. Therefore the demand for affordable and effective wastewater treatment solution ...

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Germany

www.borda-net.org

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



Decentralised Wastewater Treatment Systems (DEWATS) for Urban Environments in Asia

Expert Conference about DEWATS for Urban Environments in Asia"

BORDA, their partner organisation International Water Association (IWA) along with the World Bank Water and Sanitation Program (WSP) and others organize a conference on "Decentralised Wastewater Treatment Solutions in Developing Countries" in Manila, Philippines on 25 - 28 May 2011.

By BORDA Germany, March 11, 2011

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Development Cooperation and the Roles of Volunteers

Global learning as the educational answer to globalisation: that's how the Bremen Information Center for Human Rights and Development (German Acronym: BIZ) describes the school project "Practical Global Learning." A new instruction module is currently being developed in cooperation with ...

By Sven Meyer, BORDA Germany, January 31, 2011

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Member of:



SADC Region Southern African Development Community Zambia

www.wasaza.org.zm

WASAZA | Lusaka | Zambia
Water and Sanitation Association of Zambia



WASAZA at the Zambian Science Exhibition 2010

WASAZA used the occasion of the 2010 Zambian Science Fair to successfully showcase its work to the general public of Zambia. The exhibition was held at the Mulungushi Convention Center in Lusaka from 10 - 12 November 2010. Its...

By Stefan Menzel (WASAZA), Zambia, February 17, 2011

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Ecological Sanitation Concept - DEWATS workshop on World Toilet Day

World Toilet Day is celebrated every year on 19 November. The 2010 celebrations saw a number of activities undertaken to commemorate the day. The Water and Sanitation Association of Zambia (WASAWA) organized a technical workshop...

By Golden Manyanga (WASAZA), January 31, 2011

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South Africa

www.ukzn.ac.za/

UKZN | Durban | South Africa
University of Kwazulu-Natal



Sanitation Challenges in Informal Settlements - Applications of DEWATS and Community Ablution Blocks (CAB) in South Africa

The large number of people that live in dense informal settlements and concomitant lack of acceptable sanitation services is a major problem in developing countries. In Durban, South Africa it is estimated that about ...

By Prof. Chris Buckley (UKZN), February 28, 2011

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The Newlands-Mashu DEWATS Demonstration Plant

In February 2009 a Memorandum of Understanding was signed between BORDA and eThekweni Water and Sanitation for a demonstration and research DEWATS plant to be designed, constructed, commissioned and operated at Newlands-Mashu,...

By Prof. Chris Buckley (UKZN), February 07, 2011

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Doctoral Degree Awarded for Research into Understanding the Mechanisms Occurring in the ABR

In April 2010 Kitty Foxon graduated with a doctorate degree from the University of KwaZulu-Natal (Durban, South Africa). The title of her dissertation was Analysis of a Pilot-Scale Anaerobic Baffled Reactor Treating Domestic...

By Prof. Chris Buckley (UKZN), January 19, 2011

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South East Asia Region Indonesia

www.borda-sea.org

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



Grebeg Air, a Way how we Appreciate Water

This is a second time BORDA Indonesia to organize the public event of World Water Day in Yogyakarta, where the BORDA Regional Office of South East Asia is located.

The first time as official organizer BORDA Indonesia organized it was last year, located eight kilometers...

By Didin Jamaludin (BORDA Indonesia), March 04, 2011

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DEWATS On-Site Toilet in Hollywood - You Must be Kidding!

Hollywood versus Botom Creek I don't know why people called our village "Hollywood", as an icon for our small and narrow street consists of 54 houses and 80 families and 287 people in total in our community village. Don't be so...

By Didin Jamaludin (BORDA Indonesia), March 01, 2011

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Work Hard, Play Hard – Evaluation & Planning Meeting 2011

Every beginning of the year, all the BORDA Partners staff in Indonesia meet in one place in the same time to attend the Evaluation & Planning Workshop (EvaPlan). From 10 to 13 January 2011 in Jogja Village INN, Yogyakarta,...

By Didin Jamaludin (BORDA Indonesia), February 14, 2011

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Introducing New Research and Development Coordinator

"I am looking forward to find another alternative in wastewater treatment system" There are a lot of new faces in the end of 2010 at BORDA Office Yogyakarta, beside five new wellwaerts volunteers (Julia, Karol, Rosa, Ilona Nils)...

By Didin Jamaludin (BORDA Indonesia), December 30, 2010

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2011, Time for AKSANSI to Take Off

The morning business hour has not begun yet, but it noticed some unusual activities already. Dewa Alit from Balifokus has been busy with his notebooks in the meeting room while the Tanto from Kediri and Pangky from Mojokerto, East Java, even have arrived before seven in the morning and had time to rest ...

By Didin Jamaludin (BORDA Indonesia), December 29, 2010

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www.cbtech-lptp.org

LPTP CBTECH | Yogyakarta | Indonesia

Lembaga Pengembangan Teknologi Pedesaan



Shared and Learnt of the DEWATS Hospital Workshop

FORKOP (Forum Operator) has been established for years as the mutual-benefits share and learn forum of the DEWATS Operator to ensure the sustainability of the DEWATS Plant.

From 26 to 28 January 2011, LPTP has conducted a workshop for DEWATS Hospital Operators on

By Rahmitha Dwi Aprisa (LPTP Indonesia), March 01, 2011

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AKSANSI Central Java Ready to Support CBO DEWATS SANIMAS

To have DEWATS Plant is not about how to build them, but more how to make it last for forty years to come. Five years back, LPTP started DEWATS establishment in sixteen regencies and cities in Central Java Province and built...

By Rahmitha Dwi Aprisa (LPTP Indonesia), December 29, 2010

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Cambodia

www.borda-sea.org

BORDA Cambodia Project Office | Phnom Penh | Cambodia
Bremen Overseas Research and Development Association



Lessons Learnt from the School Base Sanitation in Cambodia

On the 7th of February, 2011, the School Based Sanitation (SBS) 2.0 School Selection Workshop, facilitated by BORDA-Cambodia (Bremen Overseas Research Development Association) in cooperation with CfD (Center for Development), was...

By Marina Brueckner (BORDA Cambodia), February 14, 2011

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DEWATS Operation and Maintenance Training at Kampong Speu Referral Hospital

"What cannot be sustained should not be done." This saying describes one of BORDA's (Bremen Overseas Research and Development Association) core principles. To fulfill this demand on the 30th of December, 2010, a training...

By Marina Brueckner & Lien Aid (BORDA Cambodia), February 04, 2011

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Students and Teachers Participate on Pre-Testing School Base Sanitation

Ninety percent of Cambodians are Buddhists. However, a day before Christmas on the 24th December 2010 might have been a special day the students and teachers at Chroy Chang Va Primary School and Kbak Chroy Sakoran Primary School in Phnom Penh. Everyone were seemed to be enthusiastic on that day, not because ...

By Marina Brueckner (BORDA Cambodia), December 28, 2010

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Kampong Speu Referral Hospital Improves Wash Infrastructure

For patients seeking medical treatment, a hospital with good facilities and employees who adhere to strict hygiene practices should be the norm. However, for many medical institutions, especially in the rural areas of Cambodia, modernizing or renovating poor infrastructure is a tremendous challenge.

By Marina Brueckner (BORDA Cambodia), December 23, 2010

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Vietnam

www.borda-sea.org

BORDA VAWR Project Office | Hanoi | Vietnam
Bremen Overseas Research and Development Association



Relocation of the BORDA Project Office in Hanoi, Vietnam

BORDA Hanoi Office is pleased to announce that they moved within the city of Hanoi, Vietnam. From January 1st, 2011 BORDA Hanoi will have a new office room.

Address: 171 Tay Son Street Dong Da District Hanoi, Vietnam ...

By Kieu Ly Doan (BORDA Vietnam), February 24, 2011

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Workshop on "Improved environment for craft villages in Vietnam" in Bich Hoa commune

On 13th January 2011, BORDA Hanoi in co-operation with the Center for Training and International Co-operation (CTIC)-Vietnam Academy for Water Resources organized a workshop on "Improved environment for craft villages in Vietnam" in...

By Kieu Ly Doan (BORDA Vietnam), February 02, 2011

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Vietnam cont.

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BORDA VAWR Project Office | Hanoi | Vietnam
Bremen Overseas Research and Development Association



BORDA Introduces DEWATS in Southern Vietnam

After receiving several enquiries for introduction of DEWATS technology in southern parts of Vietnam Borda Vietnam Team decided to participate in a field trip and joint workshop in Tay Ninh province. As the province is characterized by wide open spaces mainly used for ...

By Joerg Haucke (BORDA Vietnam), December 23, 2010

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DEWATS Conference in Hanoi

Vietnam will adapt DEWATS for low cost operating and maintenance of the wastewater plant. On December 08th 2010, the Conference on Decentralised Wastewater Treatment and Management in urban areas took place in Hanoi which was...

By Joerg Haucke (BORDA Vietnam), December 15, 2010

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Philippines

BNS | Quezon City | Philippines

Basic Needs Services Philippines Inc.



Operation and Maintenance Training DEWATS at St Fernando, Philippines

San Fernando City Abattoir includes reliable, engineered decentralized wastewater treatment plant designed by Basic Needs Services Phils. (BNS Phils) in partnership with Bremen Overseas Research Development Association (BORDA) to...

By Christine Limbog (BNS Philippines), February 25, 2011

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DEWATS in San Fernando, La Union Slaughterhouse, on its Completion

Some slaughterhouses apply various types of primary and/ or chemical pre-treatment to the wastewater which includes screening of coarse solids, fat recovery tank, and addition of chemicals for fat and protein reduction. Such treatment will increase...

By Christine Limbog (BNS Philippines), February 24, 2011

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Laos

www.lao-lire.org/

LIRE | Vientiane | Laos

Lao Institute for Renewable Energy



LIRE-BORDA Complete Construction of Sanitation Plant at Northern Agriculture and Forestry College

On 11 Feb 2011, the Lao Institute of Renewable Energy and Bremen Overseas Research and Development Association (LIRE-BORDA) in collaboration with Sunlabob Renewable Energy Ltd. completed after three months the construction of the...

By Nora Paech (LIRE Laos), March 04, 2011

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LIRE-BORDA constructs sanitation facility for community, school and temple in Vientiane

LIRE-BORDA is pleased to announce that the construction of two Decentralized Wastewater Treatment Systems (DEWATS) in Thonkankham village, Khoualung Primary School, and Khoualung temple in Vientiane, Laos have been completed,...

By Nora Paech (LIRE Laos), February 04, 2011

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P.R China

www.yedi.org.cn

YEDI | Kunming, Yunnana | P.R. China
Yunnan Environment Development Institute



YEDI Deepens Cooperation With Local Volunteer Group RUNTU in Kunming

Recent month YEDI was glad to deepen the good cooperation with the RUNTU volunteer group. RUNTU is a Chinese local environmental group of volunteer students, mostly from the local universities in Kunming. The cooperation started during the droughts in Yunnan in 2010. ...

By Florian Engel, (YEDI China), December 13, 2010

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www.zjut.edu.cn

ZUT | Hangzhou | P.R. China
Zhejiang University of Technology



A Stakeholder Meeting on Gold Standard Householder Biogas Plants Project in kaihua County of Zhejiang Province

A stakeholder meeting was held in Kaihua County on January 12th for Gold Standard VER Householder Biogas Plants Project. The project has been planned to help the farmers to build up the biogas digesters with ...

By Yingde (ZUT China), February 02, 2011

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South Asia Region India

www.borda-sa.org

BORDA South Asia Programme Office | Bangalore | India
Bremen Overseas Research and Development Association



www.cddindia.org

CDD | Bangalore | India
Consortium for Dissemination of DEWATS



Training on Citywide Sanitation Planning successfully completed

For the first time, CDD Society conducted a training programme on Citywide Sanitation Planning (CSP) from 21st through 25th February 2011 at the Centre for Advanced Sanitation Solutions (CASS), Bangalore. The training was organised in collaboration with ...

By Sina Hillger (CDD Society, Bangalore), March 03, 2011

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Participation in International Conference on Sustainable Water Resource Management and Treatment Technologies

The International Conference on "Sustainable Water Resource Management and Treatment Technologies: Water 2011" was organised by National Environmental Engineering Research Institute (NEERI) in Association with International Water Association, UK, ...

By Satchit Bhandarkar (CDD - Regional Cooperation Office, Nagpur), March 02, 2011

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CDD Society participated in Municipalika 2011

CDD Society participated in the Municipalika 2011 - 9th International Exhibition on "Urban infrastructure, Municipal Services and Built Environment" which was held from 27th – 29th January 2011 in Bangalore. The exhibition was organised by Good Governance India Foundation and ...

By Sina Hillger (CDD Society, Bangalore), February 02, 2011

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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. ...

By R. Devika (DHAN Foundation), December 24, 2010

[Read article](#)www.iyw-india.org**IYW | Nagpur | India**

Indian Institute of Youth Welfare

**Capacity Building Programme in Lonara Campus, Nagpur**

The combination of safe drinking water and hygienic sanitation facilities is a precondition for health and for success in the fight against poverty, hunger, child deaths, and gender inequality. UNICEF works in more than 90 countries around the world to improve water supplies and sanitation facilities in schools and...

By Shubhangi Jangle (IYW), February 24, 2011

[Read article](#)www.rhpmysore.org**RLHP | Mysore | India**

Rural Health & 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 in ...

By Dr. G. William (RLHP), December 24, 2010

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Nepal

www.enpho.org**ENPHO | Kathmandu (East) | Nepal**

Environment and Public Health Organization

**Funding Systems supporting Sustainability of DEWATS in Nepal**

A recent assessment of the existing Decentralised Wastewater Treatment Systems (DEWATS) facilities in Kathmandu Valley highlighted the importance of having a mechanism for financing operation and maintenance in the long term sustainability and performance of the treatment ...

By Freya Mills (ENPHO), January 11, 2011

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Practicing What They Preach: DEWATS and Waste Treatment System at Ama Ghar

Preaching is one thing but to preach proudly by setting an example is what is required to touch the hearts of people and create much required enthusiasm within their conscience.

Ama Ghar, a home for under privileged children run by an NGO, is one such institution that aims to promote ...

By Yasoda Shrestha (ENPHO), December 30, 2010

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Nepal cont.

www.enpho.org**ENPHO | Kathmandu (East) | Nepal**
Environment and Public Health Organization**Institutionalisation of DEWATS in Nepal**

Although decentralised wastewater treatment systems (DEWATS) were introduced in Nepal more than a decade ago, so far only about 20 such plants are functioning and the concept of DEWATS has not yet entered the mainstream water and sanitation sector. ...

By Bhushan Tuladhar (ENPHO), December 30, 2010

[Read article](#)**Sanitation Challenges & Opportunities in High Altitude**

Gokyo is a sacred lake situated at an altitude of 4790 meters in the Sagarmatha National Park (SNP) in the Everest region of eastern Nepal. The lake is one of a series of six lakes located next to the Ngozumba Glacier, which is the longest glacier in the Khumbu region and feeds the Dudh Koshi River that is a source ...

By Bhushan Tuladhar (ENPHO), December 30, 2010

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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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