



Sustainable Sanitation Newsletter

Newsletter on Sustainable Sanitation

By the GIZ Sector program "Sustainable Sanitation"

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Dear Readers,



With the adoption of the Sustainable Development Goals (SDGs) we can celebrate two achievements: 1) sanitation (and water) is well represented in the SDGs, and 2) the sustainable development goal on sanitation is not solely focused on toilets but includes excreta management and re-use.

Alongside the Millennium Development Goals, the United Nations Secretary-General's Advisory Board on Water & Sanitation (UNSGAB) finished its work in 2015. In "The UNSGAB Journey", the experts presented their final recommendations and lessons learnt. The link between nutrition and sanitation was among the Board's recent activities and it was also at the centre of this year's World Toilet Day and the WASH Nutrition Forum 2015 in Bonn. I am looking forward to seeing work on the interlinkages between both sectors gain further momentum.

The provision of sanitation services and hygiene promotion in refugee camps, host communities and conflict areas is becoming increasingly important, not only because of developments in Syria. We all shall see where we can best offer our support and, for inspiration, I warmly invite you to read the featured article in this newsletter on the GIZ programme "Decentralized Waste Water Management in Schools in Host Communities – WASH in Schools in Jordan".

Wishing you all a wonderful 2016.

Kind regards,
Arne Panesar

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Contents

- **Featured Article**
- Decentralized Waste Water Management in Schools in Host Communities – WASH in Schools
- **Africa**
- Fit for School takes off in Tanzania
- Increasing access to sanitation through awareness and behaviour change
- Universal access to sanitation by 2030
- Study on water, hygiene and sanitation in Ouagadougou's informal settlements
- Scaling up sanitation in urban areas

special announcement

[Manual for the production of SFDs \(so called Shit Flow Diagrams\) online](#)

Links

[World Toilet Day 2015 – Urgent Run Campaign](#)

[Kick-Start Development through Holistic Scaling-up of School Sanitation](#) at World Water Week Stockholm now available

[Understanding Humanitarian and Development WASH Approaches to Improve Service Delivery](#) at World Water Week Stockholm now available

[WASH in Nutrition: strategic and operational solutions to fight under-nutrition](#) at World Water Week Stockholm now available

[Sustainable City Sanitation – from planning to implementation](#) at World Water Week Stockholm now available

[Gender sensitive indicators in sanitation and wastewater planning and implementation](#) at World Water Week Stockholm now available

- Peer Review of the UBSUP Programme in Kenya
- Social Franchising of the operation and maintenance of school sanitation facilities
- **Asia**
- State Sanitation Strategy – A policy tool to ensure a systematic and stepwise approach for sanitation planning in a state
- Scale up daily group handwashing in South East Asia
- **Latin America**
- Sustainability Assessment Framework for Sanitation: The case of water utilities in Bolivia
- **Worldwide**
- The UNSGAB Journey – Recommendations to accelerate progress on the 2030 water and sanitation agenda
- WASH and Nutrition – Exploring opportunities for stronger links
- World Toilet Day 2015 – Focus on Toilets and Nutrition
- First SFD reports and draft versions of SFD tools and methods now available
- Massive Open Online Course: “Municipal Solid Waste Management in Developing Countries”
- Toilet finder apps help find relief, push for improved sanitation
- Symposium “Integrated management of used-water and sanitation – Key elements for establishing liveable and inclusive cities”
- SuWaNu project: Sustainable Water Treatment and Nutrient Reuse Options

[Pieces of the Puzzle: Achieving Sustainable Rural Sanitation at Scale](#) at World Water Week Stockholm now available

[World Water Week Stockholm SFD – a tool to foster sustainable urban sanitation programming](#) at World Water Week Stockholm now available

[WHO, UNICEF & USAID Manual: Improving Nutrition Outcomes with Better Water, Sanitation and Hygiene](#)

[SuSanA \(2015\): Making WASH in Schools more sustainable Vol. II](#)

Audio, photos and videos

[Watch the Livestream videos of the WASH and Nutrition Forum Bonn](#)

[Video of Generation Nutrition about the Link between WASH and Nutrition](#) (in French only)

[Photos from India: Survey Sanitation in Bangalore](#)

[Photos of Hygiene awareness raising posters](#)

Upcoming events

11.01.2016 – 13.01.2016
[6th South Asian Conference on Sanitation \(SACOSAN VI\)](#) in Bangladesh

14.01.2016
[SEI-SuSanA Webinar - Making the link: Community initiatives for](#)

Featured Article

top

Jordan

Decentralized Waste Water Management in Schools in Host Communities – WASH in Schools



“Already before we switched to the double-shift system, we had problems with the sewerage system, which is old and badly maintained,” says the school principal of Al Quds School in Nuzha, Amman. “Now, with even more students and two shifts a day, we can hardly use the toilets at all anymore.”

Al Quds school in Amman is one out of 120 Double Shift Schools in Jordan with more than 120.000 students in total – almost half of them of Syrian origin. Usually Jordanian students take part in the first shift and Syrians in the second shift. Facilities, in particular school toilets, as well as management and maintenance procedures have for the most part not been adapted to the rising numbers of students. This resulted in severe hygiene problems as well as rising water demand and increased wastewater production.

GIZ is tackling this problem through the project “WASH in Schools” funded by the Special Initiative “Tackling root causes of displacement – reintegrating refugees” of the German Federal Ministry of Economic Cooperation and Development (BMZ). Sanitary facilities will be redesigned, including water use efficiency measures such as rainwater harvesting for a total of ten schools with a special focus on durability and low-maintenance of all facilities. At one selected school a decentralised wastewater treatment plant will be constructed hence providing an additional water resource for restricted re-use in agriculture or for the irrigation of a school garden. Along with the construction measures, maintenance of the facilities will be improved and school students will be sensitised to reduce vandalism and to take better care

of the schools' facilities. Extracurricular activities with a focus on water-related issues and the environment are currently being developed aimed at fostering a better learning environment and easing tensions among students.

- Contact: [Ismael Nouns](#) (GIZ)
- [Project photos](#)

top

[sanitation and health](#)

16.02.2016 – 18.02.2016
[Biogas Convention](#) in Germany

22.02.2016 – 26.02.2016
[18th International Congress & Exhibition of the African Water Association: "Sustainable access to water and sanitation in Africa"](#) in Kenya

top

News from Africa

Tanzania

Fit for School takes off in Tanzania



The Fit for School Programme in Tanzania was launched during the celebrations of the Global Handwashing Day on 15 October 2015. Since 2012 the GIZ Water Programme has been working to transfer the Fit for School approach to Tanzania. The objective of Fit for School is to improve the health of

primary school children by introducing simple and evidence-based group activities. It was first started in the Philippines and is currently implemented in four Southeast Asian countries. Tanzania is now the first to test the approach in Africa and thus within an entirely different cultural and institutional context. It starts with the introduction of daily group handwashing with soap and also comprises the rehabilitation of sanitation facilities in the 20 pilot schools in Dar es Salaam and Moshi (Kilimanjaro Region). The testing phase is carried out in cooperation with the Ministry of Education and Vocational Training and UNICEF. The Tanzanian GIZ Water Programme is benefitting from knowledge transfer with GIZ colleagues in the Philippines.

- [GIZ Water Programme in Tanzania](#)
- [Fit for School International](#)
- [Discussion about the Fit for Schools Programme in Tanzania on the SuSanA Discussion Forum](#)

top

07.03.2016 – 12.03.2016
[BushProof Technical Training in Water & Sanitation Infrastructure](#) in Madagascar

18.03.2016
[2016 Rotary International Presidential Conference WASH in Schools](#) in the Philippines

16.05.2016 – 20.05.2016
[WASH 2016 Conference](#) in Australia

17.10.2016 – 20.10.2016
[Habitat III - United Nations Conference on Housing and Sustainable Urban Development](#) in Ecuador

Burundi

Increasing access to sanitation through awareness and behaviour change



The Burundian Ministry in charge of water and sanitation and the Ministry of Public Health, supported by GIZ's water and sanitation programme, designed different behaviour change approaches to promote the construction of latrines in rural Burundi in line with national standards.

These approaches consist of testing interventions at the household level combined with subsidies, household financial planning and mass communication through theatre performances in three different pilot zones. Preparation activities to create an appropriate enabling environment took place as well. Short-term evaluations (one month after the interventions) showed that assistance in household financial planning is very effective with 30% of households committing to improve their

Jobs

[Principal Advisor \(f/m\) on Assistance to the Rehabilitation of the Ganga River](#)

[Programmleiter \(w/m\) des Vorhabens 'Wasserversorgung und Abwassermanagement \(WWMP\)' \(in German only\)](#)

latrines. Further evaluation surveys will follow.

[top](#)

- Contact: [Pierre Guillibert](#) (GIZ)
 - [Discussion about the behaviour change approaches of GIZ's water and sanitation programme in Burundi on the SuSanA discussion forum](#)
-

Burkina Faso

Universal access to sanitation by 2030

With the end of the National Programme of Drinking Water Supply and Sanitation (2006-2015), the Ministry of Water and Sanitation in Burkina Faso decided to formulate a new national programme specific to sanitation. The GIZ water and sanitation programme of Burkina Faso supported this initiative through the recruitment of a consultant responsible for the quality assurance of deliverables. The new sanitation programme was validated on 4 November 2015. The vision is to ensure universal access to sanitation and encourage communities to stop open defecation in rural and urban areas.

[top](#)

- Contact: [Wilhelm Kohlbus](#) (GIZ)
 - [Project website](#)
-

Burkina Faso

Study on water, hygiene and sanitation in Ouagadougou's informal settlements



In order to contribute to improving the poor's access to water and sanitation services, GIZ's water and sanitation programme in partnership with WaterAid, supported the National Office of Water and Sanitation (ONEA) in conducting a study on user satisfaction for water services as well as the sanitation situation in 18

informal settlements in Ouagadougou. The results of the study, validated in October 2015, show that about 92% of people are satisfied by ONEA's water services, 91% of households use latrines and 9% practice open defecation.

[top](#)

- Contact: [Wilhelm Kohlbus](#) (GIZ)
 - [Note d'orientation sur l'assainissement des eaux usées et excréta dans les quartiers urbains lotis et non lotis \(in French only\) \(PDF; 0.5 MB\)](#)
 - [Project website](#)
-

Burkina Faso

Scaling up sanitation in urban areas



In order to scale up sanitation in urban areas, GIZ's water and sanitation programme has supported the National Office of Water and Sanitation (ONEA) through several actions: 1) development of an expansion strategy for water and sanitation services to poor and disadvantaged populations in urban and suburban areas; 2) implementation of an organisational

audit of the sanitation directorate; 3) the definition of a transfer strategy of autonomous sanitation to municipalities; 4) the organisation of an exchange trip to Kenya for the benefit of officials from the Ministry and ONEA.

From 2016, the programme will support ONEA in the implementation of these strategies. Concerning the transfer of sanitation to municipalities, it is planned to improve ONEA's advisory system to municipalities and sanitation governance at the local level by strengthening planning capacities, mobilising resources and the organisation and management of the services along the whole sanitation chain.

top

- Contact: [Wilhelm Kohlbus](#) (GIZ)
- [Project website](#)

Kenya

Peer Review of the UBSUP Programme in Kenya



End of November, the GIZ Water Sector Reform Programme, Kenya invited GIZ technical advisors from various water and sanitation programmes in the region (South Sudan, Uganda and Tanzania) and the GIZ-headquarter for a four day peer review on the Upscaling of Basic Sanitation for the Urban Poor Program

(UBSUP). This built on last year's knowledge management exchange meeting for GIZ's African water and sanitation programmes organised by the GIZ sector program Sustainable Sanitation.

UBSUP aims at providing household sanitation to 400.000 people living in low income areas in 23 towns in Kenya by focusing on the whole sanitation chain and including social factors as well as low-cost infrastructure development. Until know more than 3.500 toilets have been constructed by households. The programme is implemented by the Water Services Trust Fund (WSTF) Kenya and financed by the Bill & Melinda Gates Foundation and the Federal Ministry for Economic Cooperation and Development (BMZ) through German Development Bank (KfW). In kind contributions and long-term technical support are provided by GIZ.

Apart from exchange via presentations and discussions, the group visited associated low-income areas to identify internal and external factors that supported the successful development of UBSUP. The GIZ Community of Practice on "Scaling up Access to Water and Sanitation" will serve as the knowledge management format to follow up on the results of the peer review, while the international discussion on up-scaling sanitation will be driven by the GIZ sector program Sustainable Sanitation using the network of the Sustainable Sanitation Alliance (SuSanA).

Further information about the review itself and recommendations on how to conduct own peer reviews will be available early 2016.

top

- Contact: [Dirk Schäfer](#) (GIZ)
- [UBSUP toolkit](#)
- [UBSUP Flickr account](#)
- [WSTF website](#)

Republic of South Africa

Social Franchising of the operation and maintenance of school sanitation facilities



In mid-October 2015, the WRC (South African Water Research Commission) launched the project “Social Franchising of the Operation and Maintenance of School Sanitation Facilities” in Pretoria and East London.

This project will result in dry toilets, mostly ventilated improved pit (VIP) latrines, for about 300 schools being serviced through a local entrepreneurship model based on franchising principles. The project is a partnership between WRC, the African Water Facility and the Department of Basic Education (South Africa). Amanz’abantu, a private company based in the project area, will serve as the service provider.

The project extends the successful Butterworth schools pilot initiated in 2009 in East London. The franchising model not only supports local-based franchisees through access to franchisor business know-how, a higher level of assistance and expertise but also ensures quality assurance for the services provided. It further aims at incorporating beneficiation technology into the service delivery chain through the use of easily transportable LaDePa (Latrine Dehydration Pasteurization) units which transforms faecal sludge into harmless pellets with agricultural potential. It is envisaged that the use of the LaDePa units will allow safe disposal of sludge and possibly enable service providers to access different revenue streams through the sale of beneficiated faecal sludge by-products.

top

- Contact: [Sudhir Pillay](#) (WRC)
 - [WRC publications related to social franchising](#)
 - [Video: Water Research Commission Butterworth Schools project](#)
 - [Article: Water Research Commission Butterworth Schools project](#)
 - [Video: LaDePa Process](#)
-

top

Asia

India

State Sanitation Strategy – A policy tool to ensure a systematic and stepwise approach for sanitation planning in a state



As part of its programme “Support to the National Urban Sanitation Policy (SNUSP)”, GIZ supports the Ministry of Urban Development (MoUD) of the Government of India in the implementation of its sanitation improvement schemes and missions such as the National Urban Sanitation Policy (NUSP), Swachh Bharat Mission

(Clean India Mission) and Atal Mission for Rejuvenation and Urban Transformation (AMRUT). In India, sanitation is a state issue. Though implementation and the direct benefits take place are at the city level, core functions like the development of guidelines, distribution of financial resources and partial responsibility for the implementation rests with state level agencies. A State Sanitation Strategy (SSS) is an excellent and crucial policy tool for setting the framework and guiding cities in planning, developing and implementing their sanitation plans. GIZ is supporting four Indian states (Kerala, Andhra Pradesh, Telangana and Himachal Pradesh) in preparing

their SSS as required under the national policies.

The overall objective of GIZ's support to SSSs is to have a vital planning instrument for driving sanitation service development and sustenance in states and cities.

top

- Contact: [Dirk Walther](#) (GIZ)
 - [Factsheet: Ensuring a Systematic and Demand Oriented Approach for Developing a Comprehensive State Sanitation Strategy \(SSS\)](#)
-

Lao PDR

Scale up daily group handwashing in South East Asia

"The question now is not whether school health programmes are necessary (...), but how they can be implemented at meaningful scale. This is the challenge that we now face."

(Donald Bundy, World Bank 2010).

The second phase of the Regional Fit for School Programme addresses this challenge, working to bring daily group hygiene activities to even more primary school students. Upscaling strategies are adapted to the respective local context. In 2014, the District Education Bureau of Sisattanak in Lao PDR on its own expanded the programme based on the Fit for School approach to almost all primary schools in the district. Joint missions between the Ministry of Education and Sports (MoES), SEAMEO INNOTECH and GIZ were conducted to analyse the scale-up experience of Sisattanak District and to document the organisational learning of this process. The results will be published soon.

top

- Contact: [Nicole Siegmund](#) (GIZ)
 - [Short Video: Fit for School in Lao PDR](#)
 - [International Fit for School Programme](#)
-

top

News from Latin America

Bolivia

Sustainability Assessment Framework for Sanitation: The case of water utilities in Bolivia

The "Programme for Sustainable Water and Sanitation Services in Peri-urban Areas" of Bolivia (PERIAGUA-GIZ) has developed a Sustainable Assessment Framework (SAF).

Given the lack of expertise of Bolivian water utilities regarding the provision of sanitation services and the increased investment rates of the Bolivian government in the sanitation sector, the development of a SAF was needed to assess whether investments and interventions in sanitation are likely to be sustainable.

The SAF comprises a set of different dimensions, which are considered crucial for the entities at stake to achieve sustainability: enabling an environment for sanitation, social aspects, institutional management and ecological factors. The sustainability dimensions are coupled with a change and innovation model to identify in which stage of a change process a certain water utility is found: shock, denial, acceptance or integration.

The SAF thus gives an overview of the overall sanitation situation of a particular water utility and enhances the planning of more efficient

interventions. If for example a water utility is in the shock phase, negotiation and information activities will be conducted. Such activities aim to support the water utility entering into an acceptance phase, in which training and coaching shall enable the integration phase.

[top](#)

- Contact: [Hector Paniagua](#) (GIZ)
 - [Description of the SAF Methodology \(in Spanish only\)](#)
-

[top](#)

Worldwide

Worldwide

The UNSGAB Journey – Recommendations to accelerate progress on the 2030 water and sanitation agenda



The Secretary-General's Advisory Board on Water and Sanitation (UNSGAB) held its closing meeting from 18 to 20 November in New York and officially handed over its final report – “The UNSGAB Journey” – to the UN Secretary-General. The meeting took place in the context of the UN High-Level Sanitation Days 2015.

UNSGAB's final report looks back at the Board's legacy of providing 11 years of high-level leadership needed to galvanize the international community into action on the MDG targets on drinking water and sanitation. It shares lessons learnt and offers

a range of thematic, strategic and structural recommendations intended to accelerate progress on the 2030 water and sanitation agenda.

The report includes a chapter dedicated to sanitation, describing UNSGAB's contribution to making sanitation a mainstream topic, and outlining a number of actions needed to realise the ambitious 2030 sanitation vision. The Board, for instance, calls for widening the focus beyond the home – to schools, clinics, workplaces, markets and other public places – and prioritising sanitation as preventive medicine, breaking the vicious cycle of disease and malnutrition.

[top](#)

- Contact: [Philipp Peters](#) (GIZ)
 - [The UNSGAB Journey \(16 pages\)](#)
 - [Press release “Powerful New Global Arena Needed to Confront Coming Water Challenges, Elite Board Tells UN”](#) (PDF; 0.4 MB)
 - [UN High-Level Sanitation Days 2015](#)
 - [UNSGAB Website](#)
-

Germany

WASH and Nutrition – Exploring opportunities for stronger links



Contributing to this year's World Toilet Day theme "Toilets and Nutrition", the WASH Nutrition Forum, organised by the German WASH Network and supported by the GIZ sector program sustainable sanitation among a range of organisations, was held in Bonn, Germany on 11 and 12 November

2015. The conference, chaired by Uschi Eid (Chair of the United Nations Secretary General's Advisory Board on Water and Sanitation, UNSGAB) and Thilo Panzerbieter (Speaker of the German WASH Network), invited over 120 academics, practitioners, policy makers, donors and civil society organisations to discuss gaps and windows of opportunity in the collaboration between the sectors. Additional 420 participants from around the globe watched the livestream on the platform of the Sustainable Sanitation Alliance (SuSanA) – the Forum's online hosting platform.

"Mirror sessions" on Global Monitoring, Global Partnerships, Global Humanitarian Clusters, country cases from South Sudan and Burkina Faso, Global Civil Society Coalitions and Donors, in which experts from both sectors engaged in a dialogue on possible learnings and better interlinkages, formed the heart of the conference.

Aiming at public health and a safe environment from the household to the global level, the conference's participants called for aligned targets and indicators, joint financing, improved institutional communication and the integration of the other sector in publications and events to flank the pathway into the future.

top

- Contact: [Thilo Panzerbieter](#)
- SuSanA: [Full documentation and video material of the WASH Nutrition Forum 2015](#)
- [German WASH Network](#)

Worldwide

World Toilet Day 2015 – Focus on Toilets and Nutrition



Each year on 19 November, the World Toilet Day creates awareness about the 2.4 billion people who lack access to improved sanitation and calls on the international community to address the global sanitation crisis.

With the social media motto #WeCantWait, urgent runs and other creative events, thousands took part in this day all over the globe – focusing on this year's theme "Toilets and Nutrition".

The official celebrations took place during the UN High Level Water and Sanitation days in New York. Jean Lapegue (ACF) presented the WASH in Nutrition strategy from a field practitioner perspective and proposed key recommendations to improve WASH in Nutrition in programmes. Those operational recommendations were done in coherence with research recommendations outlined by Robert Chambers (IDS). The outcomes of the Bonn WASH Nutrition Forum, and especially the coordination of the WASH and Nutrition clusters, were fed into the event by UNSGAB chair Uschi Eid.

top

- Contact: [Jean Lapegue](#) (ACF)
- [World Toilet Day 2015 Website](#)

- [Discussion about the World Toilet Day and the UN Observance in New York on the SuSanA Discussion Forum](#)
-

Worldwide

First SFD reports and draft versions of SFD tools and methods now available



The SFD Promotion Initiative has worked over the past year to further develop and test the method for producing excreta flow diagrams, also known as shit-flow diagrams or SFDs, and assessing the service delivery context in cities and towns. SFD reports for Dar es Salaam, Kumasi and Nashik were produced following the standard approach and are now

available to download on the SFD Portal. The web portal, launched in August 2015 during the Stockholm World Water Week, also features the draft versions of the tools and methods. In the coming months new reports will be continuously uploaded to the portal as they become available.

[top](#)

- Contact: [Cecilia Rodrigues](#) (GIZ)
 - [SFD Tools and Methods](#)
 - [SFD reports](#)
 - [To learn more about the SFD and the SFD Promotion Initiative](#)
 - [SFD discussion on the SuSanA Forum](#)
-

Worldwide

Massive Open Online Course: “Municipal Solid Waste Management in Developing Countries”



The Eawag Department Sanitation, Water and Solid Waste for Development (Sandec/Eawag) together with École Polytechnique Fédérale de Lausanne (EPFL) will launch the third Massive Open Online Course (MOOC) of the series “Sanitation, Water and Solid Waste for Development” on 22 February 2016.

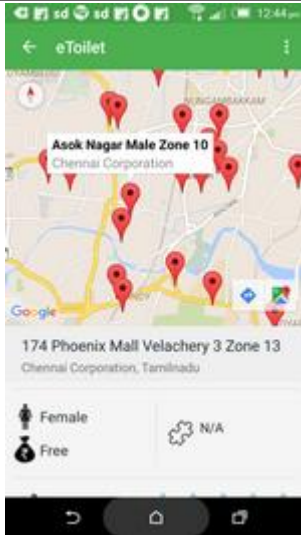
The five-week course will be offered for free on the internet-platform Coursera, and the videos will be in English with French and Spanish subtitles. The course will cover the current waste situation in low and middle-income countries, the physical and governance aspects of a solid waste management system, including planning and evaluation methods. It will have a special focus on organic waste treatment technologies.

[top](#)

- Contact: [Fabian Suter](#) (Eawag/Sandec)
 - [Trailer and more information about the MOOC](#)
 - [Registration for the MOOC](#)
-

Worldwide

Toilet finder apps help find relief, push for improved sanitation



More and more toilet finder apps are on the market these days, both in developed and developing countries – and their potential as a tool to improve public toilet facilities worldwide should not be overlooked. These apps show users the closest restroom facilities and provide directions on how to get there. Some offer additional information on fees, cleaning schedule, and whether they provide disabled access. Moreover, some apps enable users to rate and review the service and upload pictures. By doing so, users are not only directed to the closest facility but they are able to point attention to unsafe, unclean and poorly maintained facilities and thus also push for improved overall sanitation. In the end, a dirty toilet is a nuisance to every user – be it in India, Uganda, Brazil, Germany or Great Britain.

top

- Contact: [Katrin Dauenhauer](#) (Independent consultant)
- [Find out more about toilet finder apps that target Indian women](#)
- [How to find a nearby toilet using new Apps](#)

Germany

Symposium “Integrated management of used-water and sanitation – Key elements for establishing liveable and inclusive cities”



BORDA e.V. organized the symposium “Integrated management of used-water and sanitation - Key elements for establishing liveable and inclusive cities” in Bremen, Germany on 10 and 11 November 2015.

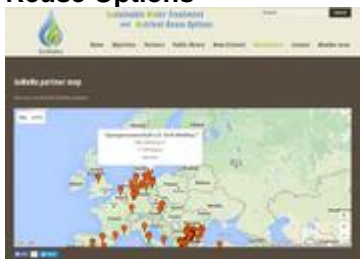
87 representatives from the public and the private sector, civil society, academia, media and international donor organisations, from Africa, Asia, Europe and Latin America discussed policy challenges and options for actions. The participants investigated how to translate water and especially sanitation related Sustainable Development Goals into implementation. The presentations of the symposium, the working results and the elaborated inputs for political processes as HABITAT III will be published shortly.

top

- Contact: [Nuria Wieskotten](#) (BORDA)
- [Conference presentations](#)

Europe / Worldwide

SuWaNu project: Sustainable Water Treatment and Nutrient Reuse Options



The FP7 SuWaNu (Sustainable Water Treatment and Nutrient Reuse Options) project has developed a transnational cooperation service within “research-driven clusters”, involving universities, regional authorities, research centres, technology developers, enterprises, farmers, and farmer associations

related to wastewater treatment and to agriculture. Such services facilitated exchange of know-how on alternatives for water and nutrient resources and created business opportunities for all project members. Initially involving organisations from five different countries - Germany, Spain, Greece, Malta and Bulgaria - SuWaNu would now like to expand the support to international stakeholders, both European and worldwide.

The free "Marketplace Map" has over 400 new members and is open to regions all over the world, where new partners can immediately be seen on the map and can easily see other activities around or outside their regions. The project thus stimulates the development of new research-driven clusters with the focus on wastewater treatment and reuse applications, expanding cluster formation at international level.

[top](#)

- Contact: General coordinator (Spain) [Rafael Casielles](#)
- Contact Germany: [Fabio Pereira](#)
- [SuWaNu project website](#)

partner of



sustainable
sanitation
alliance

GIZ is a partner of the [Sustainable Sanitation Alliance](#) (SuSanA) - a loose network of 258 organisations active in the field of sustainable sanitation.

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- Increasing access to sanitation through awareness and behaviour change: "Waterproof ceiling of latrine in rural Burundi", ©Françoise Reman/GIZ Burundi
- Study on water, hygiene and sanitation in Ouagadougou's informal settlement: "Water supply in the informal settlements in Ouagadougou", ©GIZ Burkina Faso
- Scaling up sanitation in urban areas: "Officials of the Burkinabe Ministry at a Kenyan water company", ©GIZ Burkina Faso
- Peer Review of the UBSUP Programme in Kenya: "Group picture", ©Enno Schröder
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- State Sanitation Strategy: "State Level Steering Committee at Kerala, India", ©GIZ India
- The UNSGAB Journey: "The final report of UNSGAB", ©UNSGAB
- World Toilet Day 2015: "Be a thinker", ©UN Water
- WASH Nutrition Forum 2015: "Uschi Eid, Honorable Nahas Angula and Peter Mahal at the Panel Discussion", ©German Toilet Organization
- First SFD reports and draft versions of SFD tools and methods now available, ©SFD Promotion Initiative
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