

# Sustainable sanitation projects supported by German Ministry BMZ

The German Federal Ministry for Economic Cooperation and Development (BMZ) has supported many sustainable sanitation projects over the years. A list of **20 sustainable sanitation projects in partner countries** which were partially or fully funded by BMZ and for which a detailed description is available (in form of a case study or project datasheet) is given below. Please contact us if you have any feedback or comments (ecosan@giz.de).

	<i>Project title</i>	<i>City</i>	<i>Region</i>	<i>BMZ support via</i>	<i>Start of operation</i>	<i>Further information</i>	Number of users
<b>Asia and Pacific</b>							
<b>India</b>							
1	<b>Decentralised wastewater management at Adarsh College</b>	Badalapur	Maharashtra	GIZ	2008	<a href="#">Case study</a>	3,400
2	<b>Reuse of human urine in aquaculture (research project)</b>	Kalyani	West Bengal	GIZ	2008	<a href="#">Case study</a>	250
3	<b>Pour-flush toilets with biogas plant at Dalit Shakti Kendra Training Institute</b>	Nani Devti village	Gujarat	GIZ	2006	<a href="#">Case study</a>	240
4	<b>Sanitation improvements at Navsarjan Boarding Schools</b>	Rayka, Katariya and Sami villages	Gujarat	GIZ	2006	<a href="#">Case study</a>	630
5	<b>ACTS Eco-friendly public toilet centre</b>	Bangalore	Karnataka	GIZ	2005	<a href="#">Project data sheet</a>	550
6	<b>Improved traditional composting toilets with urine diversion</b>	Leh	Jammu and Kashmir	BORDA	1986	<a href="#">Case study</a>	100
<b>Philippines</b>							
7	<b>Rural community and school urine diversion dehydration toilets</b>	Libertad, Initao and Manticao	Misamis Oriental	Ärzte für die Dritte Welt	2007	<a href="#">Case study</a>	1,000

8	Constructed wetland for a peri-urban housing area	Bayawan		GIZ	2006	<a href="#">Case study</a>	3,400
9	Urine diversion dehydration toilets in rural areas	Bayawan		GIZ	2006	<a href="#">Case study</a>	320
10	Urine diversion dehydration toilets with reuse in allotment gardens	Cagayan de Oro		CIM	2005	<a href="#">Case study</a>	500

## Middle East and Northern Africa

### Egypt

11	Humification of sewage sludge	Elminia and Nawaq	Elminia and Al-Garbiya	GIZ	2001	<a href="#">Project data sheet</a>	17,000
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### Jordan

12	Use of treated wastewater in agriculture		Jordan Valley	GIZ	2006	<a href="#">Case study</a>	not applicable
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### Syria

13	Effluent reuse from constructed wetland system	Haran Al-Awamied	Rif Damascus	GIZ	2000	<a href="#">Case study</a>	14,000
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## Sub-Saharan Africa

### Botswana

14	Rural urine diversion dehydration toilets	Hanahai and Paje villages	Ghanzi and Central districts	GIZ	2002	<a href="#">Case study</a>	240
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### Burkina Faso

15	Urban urine diversion dehydration toilets and reuse	Ouagadougou	Kadiogo	GIZ	2008	<a href="#">Case study</a>	6,000
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### Kenya

<b>16</b>	<b>"EU-Sida-GIZ Ecosan Promotion Project" in households, schools, institutions and public places with urine diversion dehydration toilets and flush toilets with decentralised wastewater treatment (DEWATS/biogas)</b>	Various	Western, Nyanza, Rift Valley, Central and Eastern Provinces	GIZ	2009	Three Case Studies describing different subprojects: <a href="#">Public toilet with biogas sanitation (300 visitors)</a> <a href="#">UDDTs in peri-urban households and schools (20,000 users)</a> <a href="#">UDDTs and decentralised wastewater treatment systems for schools</a>	51,000
<b>17</b>	<b>Compost and biogas plant for small scale farmers</b>		Western, Nyanza, Rift Valley, Central and Eastern Provinces	GIZ	2005	<a href="#">Project data sheet</a>	not applicable
<b>Mali</b>							
<b>18</b>	<b>Peri-urban urine diversion dehydration toilets</b>	Koulikoro	Koulikoro	GIZ	2001	<a href="#">Case study</a>	200
<b>Rwanda</b>							
<b>19</b>	<b>Urine diversion dehydration toilets in rural schools</b>	Kiziguro and Kiruhura in Huye and Ngororero districts	Western and Southern provinces	GIZ	2007	<a href="#">Case study</a>	2,800

## Latin America

### Peru

<b>20</b>	<b>Market introduction of UDDTs in Peru (PPP project for households, schools and public toilets)</b>	Lima (San Juan de Miraflores), Cusco (rural), Moyobamba	GIZ, Rotaria del Peru	2010	<a href="#">Rotaria del Peru SAC</a>	2,000
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**Total (approx.): 103,630**

#### List of abbreviations:

BMZ: German Federal Ministry for Economic Cooperation and Development ([www.bmz.de](http://www.bmz.de))

GIZ: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH ([www.giz.de](http://www.giz.de))

CIM: Center of International Migration and Development ([www.cimonline.de](http://www.cimonline.de))

DED: German Development Service ([www.ded.de](http://www.ded.de))

BORDA: Bremen Overseas Research and Development Agency ([www.borda-net.org](http://www.borda-net.org))

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