Worldwide list of documented ecosan projects by various organisations

Notes:

- A more detailed list (with type of technology, reuse system, experiences etc.) is available on the same website where you
 got this from, i.e. http://www.gtz.de/en/themen/umwelt-infrastruktur/wasser/30631.htm
- This list includes: sustainable sanitation / ecosan projects with reuse of some or all treated waste streams in principle being aimed for. (even if reuse is not fully achieved, e.g. UDDTs where urine is infiltrated are included in the list); only domestic sanitation projects.
- Projects not included in the list: small research projects; industrial wastewater reuse; projects where reuse is impossible.
- Number of users is only a rough estimate and may include one-time users (mobile urinals) or school pupils etc.
- Over 60 projects in this list also have detailed SuSanA case studies (see: www.susana.org/case-studies)
- Several smaller projects are often grouped together (thus the total project number is larger than the total number in this table)
- If you spot any errors or omissions, please contact us (ecosan@giz.de).
- This list was compiled by the GIZ team "sustainable sanitation ecosan" with input from many people.

#	Country	Project name	Start of use of installation	Estimated number of users
1	Afghanistan	Bathroom construction with urine diversion dehydration toilets for households in Katachel and Nasseri Villages, Kunduz Province	2009	2,000
2	Afghanistan	Urine diversion dehydration toilets for a school in Kunduz Province	2003	3,600
3	Afghanistan	Urine diversion dehydration toilets for women at the Pedagogical Academy, Kunduz	2007	150
4	Afghanistan	Urine diversion dehydration toilets tested with households in rural areas of Herat Province	2000	102
5	Afghanistan	Public urine diversion dehydration toilets in villages in Dehrawud District, Uruzgan Province	2008	12,500
6	Afghanistan	Urine diversion dehydration toilets in two villages as a part of the Clean Village Project, in Injeel District, Herat Province and Chaghcaharan City, Ghor Province	2009	810
7	Afghanistan	Public toilet and bath complexes with biogas digesters in five localities of Kabul City	2005	5,000
8	Algeria	Integrated water and sewage management with effluent reuse in the Béni Abbès Oasis		
9	Armenia	Urine diversion dehydration toilets in a rural school, Hayanist	2006	376
10	Armenia	Urine diversion dehydration toilets in households and five schools in rural areas of Hayanist, Fantan, Khachpar, Dzorghbyyur, Urud, Sverdlov, Saghmosavan Yervan in the Lore region.	2006	1,140
11	Australia	Urine separating sanitation facilities at Maryborough Educational Centre (high school), Victoria	2007	1,500
12	Australia	Currumbin Eco-village with urine diversion flush toilets, Queensland	2008	16
13	Australia	The reuse oriented Water Reclamation and Management Scheme at Sydney Olympic Park, Sydney	2000	20,000
14	Australia	Urine diverting flush toilets and grey water recycling system with rural communities at Kinglake, Victoria	2010	40
15	Austria	Urban urine diversion and greywater treatment system, Linz (solarcity)	2004	460
16	Austria	Urine diversion dehydration toilets and on-site greywater treatment at the mountain hut 'Bettelwurf Hütte', Karwendel Alpine Park	2002	150
17	Austria	On-site treatment of blackwater with reuse for five mountain huts	1993	690
18	Azerbaijan	Urine diversion dehydration toilets tested with rural households	2008	10
19	Bangladesh	Integrated Support for Sustianbale Urban Environment (ISSUE)	2007	37,500
20	Bangladesh	Action research on Ecological alternative in sanittaion in diificult ares in BD	2009	780
21	Bangladesh	Urine diversion dehydration toilets for households in rural areas, Comilla	2004	1,350
22	Bangladesh	Urine diversion dehydration toilets at Shabuzpur Tea Estate for the households of the estate workers, Mowlobibazar District	2007	1,000
23	Bangladesh	Urine diversion dehydration toilets tested as sustainable emergency sanitation in cyclone affected areas	2008	500
24	Bangladesh	Action research and construction of urine diversion dehydration toilets (UDDTs) in seven hilly districts of Rangpur, Moulovibazar, Narsigdi, Sunamgonj, Bandarban, Cngonj, Gaibandh (overarching project)	2009	600
25	Bangladesh	Urine diversion dehydration toilets (UDDTs) construction in 60 rural households in Wrisipara, Gazipur Municipality	2008	300
26	Bangladesh	Urine diversion dehydration toilets (UDDTs) in five schools in Gazipur Municipality	2009	3,000
27	Bangladesh	Action research on ecological alternatives and construction of 100 UDDTs in difficult areas of Gaibandha, Rangpur, Cngonj, Narsindhi, Moulovibazar, Sunamgonj, Bandarban	2009	500
28	Bangladesh	Urine diversion dehydration toilets (UDDTs) with 19 households in Pazulia and Fawcal villages, Gazipur district under Gazipur Municipality	2007	95
29	Bangladesh	Sanitation block with biogas plant at G.K. Model High School in Dhirassharm under Gazipur Municipality	2009	650
30	Bangladesh	Construction and promotion of concrete urine diversion pans through piloting community-based urine diversion toilet (UDT) in Wrishipara Polli of Gazipur Municipality	2008	345
31	Bangladesh	Urine diversion dehydration toilets (UDDTs) constructed in eight schools in Gazipur City	2009	3,675
32	Bangladesh	Pilot demonstration of 10 urine diversion dehydration toilets (UDDTs) for rural households at Sitakunda Upazila in Chittagong and Noakhali districts	2009	75

33	Bangladesh	Construction of 200 urine diversion dehydration toilets (UDDTs) in rural communities of Gazipur, Tangail, Mymensingh Municipalities	2010	600
34	Bangladesh	Construction of urine diversion dehydration toilets (UDDTs) for the poor and excluded of indigenous community in Durgapur, Netrokona		
35	Bangladesh	Urine diversion dehydration toilets (UDDTs) to improve sanitation at Bashaivog and Bejgoan villages, Munshigonj in Bangladesh through information dissemination and awareness raising	2005	177
36	Bangladesh	Double vault composting and urine diversion toilets in rural households in 16 villages in Naogoan, Jessore, Satkhira, Gazipur districts	2007	1,280
37	Bangladesh	Double vault composting toilets and urine diversion toilets in 4 rural villages in Manikgonj and Gazipur Districts	2008	744
38	Bangladesh	Double vault composting and urine diversion in urban community of Rangamati	2008	42
39	Bangladesh	Double vault composting and urine diversion toilets in rural households in Bogra, Gaibandha, Joypurhat, linked to micro-financing	2008	57
40	Bangladesh	Double vault composting and urine diversion toilets in rural communities in Bandarban, and Cox's Bazar	2009	300
41	Bangladesh	Double vault composting and urine diversion toilets and action research in difficult rural areas in Bandarban, Gaibandha, Chapainawabgonj Districts	2009	251
42	Bangladesh	Double vault composting and urine diversion toilets in rural communities of Meherpur, and Naogoan Districts	2009	137
43	Bangladesh	Urine diversion dehydration toilets (UDDT) in 20 flood prone villages in three	2009	15,500
44	Belarus	districts of Sirajgonj, Gaibandha and Kurigram (large scale project) Urine diversion dehydration toilets at dachas in Smilovichy Village	2008	33
45	Benin	Community urine diversion dehydration toilets (UDDTs) and urinals at (peri-)	2008	300
		urban agriculture plot near the airport in Cotonou		
46	Bhutan	Urine diversion dehydration toilet project at Goenpasingma Lower Secondary School and village, Zobel Geog Pemagatshel	2009	400
47	Bhutan	Urine diversion dehydration toilets (UDDTs) in 18 households and one school	2009	290
48	Bolivia	in Euyamo Village, Teop Geog Punakha Urine diversion dehydration toilets for households in San Pedro town,	2005	2,000
49	Bolivia	Department (State) Santa Cruz Urine diversion dehydration toilets for households in Departments (States)		140
50	Bolivia	Oruro and Beni Urine diversion dehydration toilets for households in the peri-urban areas of El		1,845
00	Bolivia	Alto, Desaguadero, Puerto Acosta and Warisata cities in Department (State) La		1,040
		Paz and private sector development for the collection, treatment and reuse of		
51	Bolivia	excreta in El Alto City Urine diversion dehydration toilets for a school in Department (State)		750
52	Bolivia	Chuquisaca Urine diversion dehydration toilets for households, with private sector		120
02	Donvia	development for the collection, treatment and reuse of excreta, in a peri-urban area in Department (State) Cochabamba		120
53	Bolivia	Urine diversion dehydration toilets for households in rural areas of Saavedra, Oquinawa and Mineros, Department (State) Santa Cruz	1997	9,000
54	Bolivia	Rural household and school urine diversion dehydration toilets in the sub- regional Andean programme for basic services against poverty (PROANDES)	2006	41,510
		in the Departments (States) of Potosí, Cochabamba, Chuquisaca and Oruro		
55	Bolivia	Urine diversion dehydration toilets as emergency sanitation, Trinidad City, Department (State) Beni	2007	5,000
56	Bolivia	Urine diversion dehydration toilets in the departments of Cochabamba, Chuquisaca, Pando, Beni and Potosi	2010	20,000
57	Botswana	Rural urine diversion dehydration toilets (after 6 years), Hanahai and Paje Villages	2002	252
58	Bulgaria	Household, school and public urine diversion dehydration toilets and greywater treatment systems in villages of Stara Zagora, Pleven and Sofia Provinces	2005	866
59	Burkina Faso	Urban urine diversion dehydration toilets and reuse, Ouagadougou	2007	6,000
60	Burkina Faso	Launch of ecosan during Film Festival with mobile urine diversion toilets and	2007	2,000
		waterless urinals and use of the mobile units in subsequent events, Ouagadougou		
61	Burkina Faso	Urine diversion dehydration toilets and urinals to obtain fertiliser for conservation agriculture. Ouagadougou	2009	8,400
62	Burkina Faso	Urine diversion dehydration toilets (UDDTs) in the rural communities and schools of Nasséré, Rollo, Rouko and Zimtenga in the Province of Bam	2008	83,242
63	Cambodia	Tonle Sap Floating Communities Sanitation Project	2009	50
64	Cambodia	Community-led Total Sanitation with urine diversion dehydration toilets in Kampong Cham	2006	9,400
65	Chad	Urine diversion dehydration toilets in refugee camps of Farchana, Kounoungo and Mile	2009	440
66	China	Urine diversion dehydration toilets in rural schools and reuse of urine in	2009	18,500
67	China	Tianshui, Gansu province Urine diversion dehydration toilets in Hougou historical village, Shanxi province	2009	
68	China	Urine-diverting vacuum sanitation system at Tsinghua University, Beijing	2004	175
69	China	Community-led water and ecosan programme, Shaanxi Province	2005	196,000
70	China	Urine diversion sanitation in Olympic Forest Park, Beijing	2007	18,800
	China	Urine diversion dehydration toilets for households in Zhonghe Village, Kunming, Yunnan Province	2003	426
71				
71	China	Ecosan pilot projects with reuse of wastewater and compost in the ecocity programmes in Yangzhou and Changzhou, Jiangsu Province		2,400

78 79 80 81 82 83 84 85 86 87 88	China China China China China China China Congo Brazzaville Cote d'Ivoire Denmark Denmark Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador	Rural sanitation with urine diversion deydration toilets in Guanxi Province Ecosan toilets (UDDTs) to improve sanitation in a middle school in Zhao Jiagou Village, Shanxi Province Urine diversion dehydration toilets (UDDTs) in Ganga Edouard Primary School Urine diversion dehydration toilets for the workers' villages of SAPH agro industries in the rubber tree industry Composting toilets in the House Ramshusene, Bornholm Urine separation toilets at Munkesogaard Ecovillage, Roskilde Urine diversion dehydration toilets at households in Chordeleg, Azuay Province Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo	1998 2006 2007 2007 1995 2000 1996 2001 1998 2003	100 370 832 30,000 16 40 46 42 850 40
77 Co	Congo Brazzaville Cote d'Ivoire Denmark Denmark Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador	Village, Shanxi Province Urine diversion dehydration toilets (UDDTs) in Ganga Edouard Primary School Urine diversion dehydration toilets for the workers' villages of SAPH agro industries in the rubber tree industry Composting toilets in the House Ramshusene, Bornholm Urine separation toilets at Munkesogaard Ecovillage, Roskilde Urine diversion dehydration toilets at households in Chordeleg, Azuay Province Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo	2007 2007 1995 2000 1996 2001 1998	832 30,000 16 40 46 42 850 40
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79 80 81 82 83 84 85 86 87 88	Denmark Denmark Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Egypt Egypt	industries in the rubber tree industry Composting toilets in the House Ramshusene, Bornholm Urine separation toilets at Munkesogaard Ecovillage, Roskilde Urine diversion dehydration toilets at households in Chordeleg, Azuay Province Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	1995 2000 1996 2001	16 40 46 42 850 40
80 81 82 83 84 85 86 87 88	Denmark Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Egypt Egypt	Composting toilets in the House Ramshusene, Bornholm Urine separation toilets at Munkesogaard Ecovillage, Roskilde Urine diversion dehydration toilets at households in Chordeleg, Azuay Province Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	2000 1996 2001 1998	40 46 42 850 40
80 81 82 83 84 85 86 87 88	Denmark Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Ecuador Egypt Egypt	Urine separation toilets at Munkesogaard Ecovillage, Roskilde Urine diversion dehydration toilets at households in Chordeleg, Azuay Province Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	2000 1996 2001 1998	40 46 42 850 40
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82 83 84 85 86 87 88	Ecuador Ecuador Ecuador Ecuador Egypt Egypt	Composting toilets at the Ecological Hotel Alándaluz, Manabí Province Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	1996 2001 1998	42 850 40 70
83 84 85 86 87 88	Ecuador Ecuador Ecuador Egypt Egypt	Constructed wetlands with reuse for a new urban settlement in Sabiango Town, Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	2001 1998	850 40 70
84 85 86 87 88	Ecuador Ecuador Egypt Egypt	Loja Province Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	1998	40 70
85 86 87 88 89	Ecuador Egypt Egypt	Urine diversion dehydration toilets in the building complex of Pestalozzi Foundation, Pichincha Province Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on		70
86 87 88 89	Egypt Egypt	Urine diversion dehydration toilets for the Achuar-Indios in the Province of Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	2003	
86 87 88 89	Egypt Egypt	Pastaza (pilot project AMAZONICA) Improvement of the effluent quality of aerated lagoons (ponds) by membrane filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on	2000	
87 88 89	Egypt	filtration and reuse of treated wastewater in a village near Cairo Subterra constructed wetlands for treatment of wastewater from cruise liners on		E00
88		Subterra constructed wetlands for treatment of wastewater from cruise liners on		500
89	El Salvador	the NPI and the manage to a surface through the surface to the sur	2004	1,200
		the Nile with reuse in agriculture, Luxor Urine diversion dehydration toilets and solar toilets tested with households in	2000	624
	Editoria	rural areas	2042	400
	Ethiopia	Urine diversion dehydration toilets on the campus of Adama University, Adama	2010	400
90	Ethiopia	Resource-Oriented Sanitation concepts for peri-urban areas in Africa (ROSA)	2006	500
91	Ethiopia	using multiple technologies, Arba Minch Urine diversion dehydration toilets for households, Addis Ababa	1996	500
92	Ethiopia	Large-scale rural sanitation with arborloos and fossa alterna toilets for	2004	269,200
	·	households		
93	Ethiopia	Biogas sanitation plants in seven schools in Addis Ababa, Jimma and Bahir Dar	2000	5,500
94	Fiji	Composting toilets and greywater reuse in a wastewater garden at a tropical resort, Bega Island	1999	
95	Finland	Ecological sanitation with different types of toilets at Kangasalan Yhteiskylä	1997	36
00	Caarria	communal village, Kangasala town	2000	500
96	Georgia	Urine diversion dehydration toilets and constructed wetland for two schools, households and a training centre in Mtskheta, Zugdidi, Khashuri, Dusheti and	2006	560
97	Germany	Gori Districts Development and combination of innovative system components from process	2007	200
		engineering, information technology and ceramics to create a sustainable technology for water and nutrient cycles, Kaiserslautern		
98	Germany	Sustainable water management and wastewater purification in tourism facilities		14
99	Germany	project (SWAMP) using urine separation toilets at Stranddorf Augustenhof Source separation, treatment and reuse sanitation system at the Huber SE	2002	200
		office building, Berching		
100	Germany	Source separation, treatment and reuse sanitation system in buildings of the Berliner Wasserbetriebe in the Sanitation Concept for Separate Treatment (SCST) project. Berlin	2003	35
101	Germany	Restaurant and farm with biogas plant, Waldmichelbacher Hof, Bessenbach	1994	274
102	Germany	Composting toilets and constructed wetlands for multi-story buildings at the	1994	400
		ecological settlement of Bielefeld Waldquelle, Bielefeld		
103	Germany	Source separation, treatment and reuse sanitation system at Lambertsmuehle museum, Burscheid	2000	8
104	Germany	Decentralised wastewater treatment and reuse systems within the project	2000	15,800
		'Alternatives for urban water supply and wastewater infrastructure systems'		
		(AKWA 2100), Northrhine-Westfalia		
105	Germany	Urine and brownwater separation (and partial treatment) at the GTZ main office building, Eschborn	2005	400
106	Germany	Vacuum toilets with on-site wastewater treatment and reuse system for a	2000	50
107	Germany	residential and office building at Vauban, Freiburg Vacuum sewerage and greywater recycling at the Ostarkade office building of	2002	350
		the KfW Bankengruppe, Frankfurt		
108	Germany	Ecological settlement in Allermöhe, Hamburg	1985	140
109	Germany	Composting toilets and constructed wetland for a residential area at Braamwisch, Hamburg		80
110	Germany	Multiple sanitation technologies for decentralised treatment and reuse at Oeko-	1995	800
111	Germany	Technik Park, Hannover The Emscher River Head Centre - decentralised wastewater treatment with	2006	40
110	0	separation of brown, grey and yellowwater	0000	
112	Germany	Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using reedbed treatment at the Elbterassen Wussegel	2003	40
113	Germany	tourism facility, Hitzacker Composting toilets and constructed wetland with reuse for a residential area at	1990	90
		Hassee, Kiel		
114	Germany	Decentralised water and wastewater treatment and reuse for a housing development area through the Decentralised Urban Infrastructure Systems (DEUS 21) project, Knittlingen	2004	200

125 C	Germany Germany Germany Germany Germany Germany Germany Germany Germany Ghana Ghana Ghana Ghana Guinea (Conakry) Guinea (Conakry)	Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using vacuum toilets and waterless urinals at the Burg Lenzen tourism facility, Lenzen Ecological housing estate at Flintenbreite (vacuum toilets and constructed wetlands), Lübeck Rural farm and ecological conference centre with biogas plant and constructed wetland at Wacholderhof, Murrhardt Greywater recycling in Hotel Arabella Sheraton Am Büsing Palais, Offenbach Vacuum toilets with on-site wastewater treatment and reuse system for the visitor centre of the national park Jasmund, Rügen Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2007 1999 1996 1995 2004 planned 2003 2002 2010 2008	380 380 500 2,500 5,000 2,000
117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Germany Germany Germany Germany Germany Germany Ghana Ghana Guinea (Conakry) Guinea (Conakry)	Ecological housing estate at Flintenbreite (vacuum toilets and constructed wetlands), Lübeck Rural farm and ecological conference centre with biogas plant and constructed wetland at Wacholderhof, Murrhardt Greywater recycling in Hotel Arabella Sheraton Am Büsing Palais, Offenbach Vacuum toilets with on-site wastewater treatment and reuse system for the visitor centre of the national park Jasmund, Rügen Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	1996 1995 2004 planned 2003 2002 2010	380 500 2,500 5,000
118 119 120 121 122 123 124 0	Germany Germany Germany Germany Germany Ghana Ghana Ghana Guinea (Conakry) Guinea (Conakry)	Rural farm and ecological conference centre with biogas plant and constructed wetland at Wacholderhof, Murrhardt Greywater recycling in Hotel Arabella Sheraton Am Büsing Palais, Offenbach Vacuum toilets with on-site wastewater treatment and reuse system for the visitor centre of the national park Jasmund, Rügen Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	1995 2004 planned 2003 2002 2010	2,500 5,000
119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Germany Germany Germany Ghana Ghana Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	Greywater recycling in Hotel Arabella Sheraton Am Büsing Palais, Offenbach Vacuum toilets with on-site wastewater treatment and reuse system for the visitor centre of the national park Jasmund, Rügen Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2004 planned 2003 2002 2010	2,500 5,000
120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Germany Germany Ghana Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	Vacuum toilets with on-site wastewater treatment and reuse system for the visitor centre of the national park Jasmund, Rügen Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	planned 2003 2002 2010	2,500 5,000
121	Germany Ghana Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	Sustainable water management and wastewater purification in tourism facilities project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2003 2002 2010	2,500 5,000
121	Germany Ghana Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	project (SWAMP) using urine diversion toilets at the Park Moräna See tourism facility, Soltau Vacuum toilets and biogas plant as a part of the Hamburg Water Cycle concept implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2003 2002 2010	2,500 5,000
122	Ghana Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	implementation in a new residential area in Jenfeld, Hamburg Ecological development of Valley View University, Accra Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2003 2002 2010	5,000
123 124 C	Ghana Guinea (Conakry) Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	Pilot scale co-composting of faecal sludge and organic solid waste, Kumasi (currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2002	5,000
124 C 125 C 126 C 127 C 128 C 129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Guinea (Conakry) Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	(currently not in operation) Urine diversion dehydration toilets (UDDTs) in rural school in Ansoumaniya Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)	2010	
125 C 126 C 127 C 128 C 129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Guinea (Conakry) Guinea (Conakry) Guinea (Conakry)	Urine diversion dehydration toilets (UDDTs) in schools Bamban High School and Séguéyah Primary School (Kindia)		•
126 C 127 C 128 C 129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Guinea (Conakry) Guinea (Conakry)	and Séguéyah Primary School (Kindia)	2008	2,000
127 C 128 C 129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Guinea (Conakry)	Urine diversion dehydration toilets in schools of Salloube, and Tialére and the		
128 C 129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145		community of Dalaba	2008	2,250
129 C 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Linnon (Conolum)	Urine diversion dehydration toilets in the Community of Damakhanyah in Kindia, Guinea	2008	
130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Guinea (Conakry)	Public urinals in 'Place de l'indépendance Palais de Justice', Kindia	2006	
131 132 133 134 135 136 137 138 139 140 141 142 143 144	Guinea (Conakry)	Household urinals in the community of Molota Préfecture, Kindia	2006	120
132 133 134 135 136 137 138 139 140 141 142 143 144 145	Haiti	Dry composting toilet at a public market place, Cap Haitien	2007	300
133 134 135 136 137 138 139 140 141 142 143 144 145	Haiti	Treatment of waste from public latrines in a biogas plant, Cap Haitien	planned	
134 135 136 137 138 139 140 141 142 143 144 145	India	Urine diversion dehydration toilet centres at Navsarjan Boarding Schools, Gujarat	2005	660
135 136 137 138 139 140 141 142 143 144	India	Demonstration of an eco-friendly, reuse-oriented public toilet centre in Rajendra Nagar Slum, Bangalore, Karnataka (no longer in use)	2000	
136 137 138 139 140 141 142 143 144 145	India	Household urine diversion dehydration toilets (locally known as compost toilets) in four villages (including tsunami hit villages) of Trichy and Nagai Districts, Tamil Nadu	2006	3,450
137 138 139 140 141 142 143 144	India	Total Sanitation Campaign Project using urine diversion dehydration toilets (locally known as composting toilet), Mysore, Karnataka	2006	90,000
138 139 140 141 142 143 144 145	India	Pour-flush toilets with biogas plant at DSK (Dalit Shakti Kendra) Training Institute, Gujarat	2005	800
139 140 141 142 143 144 145	India	Community-based, public toilet centre with a decentralised wastewater treatment and reuse system (pilot project) at Ullalu Upanagara, Bangalore	2006	750
140 141 142 143 144 145	India	Urine diversion dehydration toilets (locally known as composting toilets) for ten schools in rural areas (including tsunami hit villages), Tamil Nadu	2007	4,707
141 142 143 144 145	India	Three public urine diversion dehydration toilet complexes (locally known as Ecosan Community Compost Toilets) in Musiri Town linked to agricultural research trials at Tamil Nadu Agricultural University, Tamil Nadu	2005	690
142 143 144 145	India	Decentralised wastewater management at Adarsh College, Badlapur, Maharashtra	2006	2,600
143 144 145	India	Zero-discharge, recycling toilet being tested for Indian trains and communal toilet blocks, Kanpur, Uttar Pradesh	2007	100
144	India	Decentralised wastewater treatment in Shree Baleshwar Anudanit Primary and Secondary Ashram School, Sarole Pathar, Maharashtra	2008	520
145	India	Urban decentralised wastewater management, Badlapur, Maharashtra	2010	2,000
	India	Improved traditional composting toilets with urine diversion, Leh, Jammu and Kashmir	2005	100
146	India	Demonstration of household urine diversion dehydration toilets in Nagasandra Village, Karnataka	2008	45
	India	Urine diversion dehydration toilets for households, Ranchi, Jharkhand	2008	175
147	India	Urine diversion dehydration toilets for the rural poor, Chennai, Tamil Nadu	2008	250
148	India	Urine diversion dehydration toilets for households at a coastal area in Bhuvneshwar, Orissa	2008	500
149	India	Urine diversion dehydration toilets at households in the drought-prone, water-scarce area of Dindigul District, Tamil Nadu	2008	500
150	India	Urine diversion dehydration toilets at rural households as a demonstration of an effective sanitation option for the state of Nagaland	2008	100
151	India	Partial subsidy by DACAAR	2008	60
152	India	Urine diversion dehydration toilets at households in a village near New Delhi	2008	175
153 154	India	Urine diversion dehydration toilets in Thergaon Village, Maharashtra Decentralised wastewater treatment and reuse system at Oasis Resort, Pune	2007	40 800
155	India	City Decentralised wastewater treatment and reuse system at Kamilini Kuteer Resort, Khariv, Pune	2009	25
156		Decentralised wastewater treatment and reuse system at residential complexes at Khidkali and Desai, Thane, Mumbai	2009	1,276
157	India			15

158	India	Urine diversion dehydration toilets (UDDTs) for rural farming households in	2003	200
159	India	hilly village of Talavadi village, Tamil Nadu Promotion of urine diversion dehydration toilets (UDDTs) in rural households in Dindigul District, Tamil Nadu	2008	865
160	Indonesia	Decentralised wastewater treatment systems with reuse for urban low-income settlements, Tangerand and Surabaya	2009	6,000
161	Indonesia	Pilot testing of ecological sanitation technologies at the Center for Urban Community Empowerment (Pusdakota), Kali Rungkut, Surabaya		15
162	Israel	Landscape-integrated constructed wetland system for the treatment and reuse of greywater of a residential block at Ganei Tikva (not authorised for operation		2,200
163	Japan	yet) Automated composting toilet system at Asahiyama Zoo, Asahikawa City	1997	4,000
164	Jordan	Use of treated wastewater in agriculture, Jordan Valley	2003	4,000
165	Kazakhstan	Urine diversion dehydration toilets in and around Aksu-Jabagly and Naurzum Game Reserves	2008	400
166	Kenya	Community Eco-sanitation Toilets, Water, Livelihoods and Tree Nursery at Narok South, Ongata Naado	2011	150
167	Kenya	Resource-Oriented Sanitation concepts for peri-urban areas in Africa (ROSA),	2006	230
168	Kenya	using urine diversion dehydration toilets and a wetland, Nakuru Developing service providers of compost and biogas plants for small scale	2005	22
169	Kenya	farmers in western Nyanza rift valley, central and eastern provinces of Kenya Urine diversion dehydration toilets at Khaimba Primary School, Butere	2006	1,000
170	Kenya	Implementation of recycling-oriented sanitation services: urine diversion	2008	45,200
110	Ronya	dehydration toilets (UDDTs), wastewater treatment systems (biogas) and constructed wetlands (overarching project with many sub-projects)	2000	10,200
171	Kenya	Public toilet with biogas plant and water kiosk at a bus park in Naivasha,	2008	1,800
		Kenya, Rift Valley Province (one sub-project of larger ecosan project)		,
172	Kenya	Urine diversion dehydration toilets at St. Francis Nyangajo Girls Boarding High School in Kendu Bay	2010	40
173	Kenya	Implementation of urine diversion dehydration toilets by Community Based Organisations, Ugunja District, Western Kenya (one sub-project of larger ecosan project)	2008	3,000
174	Kosovo	Urine diversion dehydration toilets in a rural school, Blace Village	2000	500
175	Kosovo	Piloting urine diversion dehydration toilets in Vranic and Blace Villages, Suva Reka Municipality	2000	35
176	Kyrgyzstan	Piloting of urine diversion toilets with households	2007	60
177	Kyrgyzstan	Urine diversion dehydration toilets with urban and rural households	2006	1,500
178	Kyrgyzstan	Urine diversion dehydration toilets for six schools and one madrasah in rural areas	2008	2,000
179	Lebanon	Greywater treatment and reuse for households in Tanoura Village, Rasha Caza	2006	120
180	Lesotho	Decentralised wastewater treatment systems and reuse for the domestic wastewater of single households in Maseru and Mapoteng	2007	184
181	Lesotho	Decentralised wastewater treatment systems and reuse for the domestic wastewater of three institutions in Maseru, Thaba Bosiu and Rothe	2007	285
182	Lesotho	Decentralised wastewater treatment systems and reuse for the wastewater of three tourism facilities in Butha Buthe and Thaba Bosiu	2007	250
183	Malawi	Urine diversion dehydration toilets for poor households in the cities of Lilongwe, Blantyre and Mzuzu	2005	2,500
184	Malawi	Low cost sanitation with arboloo, fossa alterna and skyloo latrines in rural areas of Embangweni, Thylo and Phalombe	2002	63,555
185	Malawi	Double vault composting toilets in schools in Chinteche	2002	11,000
186	Mali	Peri-urban urine diversion dehydration toilets (abandoned), Koulikoro	2000	,
187	Mali	Urine diversion dehydration toilets for households and women's centres in Commune VI, Bamako	2005	350
188	Mexico	Urban ecosan pilot program with multiple technologies at Tepoztlán	2003	559
189	Mexico	Installation of eco-techniques (UDDTs) in the Basin Valle de Bravo-Amanalco	2008	5,856
190	Mexico	Community intervention plan in the states of San Luis Potosi, Oaxaca and Veracruz (UDDTs and other eco-technologies)	2006	23,800
191	Mexico	Water and forest conservation in rural communities in Chiapas (several ecotechnologies)	2009	1,384
192	Mexico	Rural urine diversion dehydration toilets (UDDTs) in the community of Rio Grande	2005	1,200
193	Mexico	Sustainable Community Organization (UDDTs) in rural communities of Huasteca Postosina Sur	1998	503
194	Mexico	UDDTs and composting toilets in Purepecha	2010	430
195	Mexico	Community development programme and sanitation through dry toilets (UDDTs) installation in Toluca de Lerdo	2010	298
196	Mexico	Practice of a sustainable model in the region of the Monarch Butterfly Biosphere Reserve, Michoacan	2009	1,376
197	Mexico	Prefabricated ecological toilets modules in rural areas (large-scale)	1996	262,500
198	Mexico	Ecological dry latrines in Toluca Mexico State (prefabricated plastic)	1992	400
199	Moldova	Urine diversion dehydration toilets for kindergarten, school and householders in villages & Utilisaton of the urine/faces as a feriliser in agriculture.	2009	310
200	Moldova	Urine diversion dehydration toilets for a kindergarten, a school and households	2008	310
201	Mongolia	in Criscauti, Bolduresti and Bacseni Villages, Drochia and Causeni Towns Sustainable Sanitation Systems in Ger Settlements in Darkhan as part of the	2011	100
202	Mongolia	IWRM Research Project MoMo, Phase 2 (UDDTs and biogas co-digestion) Piloting options & reinforcing local capacities to improve access to water,	2009	1,854
		sanitation & hygiene (composting toilets and UDDTs), in Ger areas of Ulaanbaatar		

203	Mongolia	Urine diversion dehydration toilets in an urban area, Ulaanbaatar	2007	75
204	Mongolia	Urine diversion dehydration toilets at tourist camp Khovsgol Inn, Khatgal	2007	30
205	Morocco	Urine diversion dehydration toilets in Souss Massa Park	2006	180
206	Mozambique	Fossa alterna latrines in peri-urban areas of Lichinga City, Niassa Province	2000	304
207	Mozambique	Fossa alterna and arborloo latrines in rural and peri-urban areas, Niassa	2001	
208	Mozambique	Province Urine diversion dehydration toilets in a rural resettlement area, Sofala Province	2001	1,092
209	Namibia	Otji-Toilets for peri-urban informal households in Omaruru, Namibia	2010	1,092
210	Namibia	Urine diversion dehydration toilets with peri-urban households in Mariental	2006	1,030
210	Ivambia	Town	2000	1,030
211	Namibia	Urine diversion dehydration toilets with rural households, Gibeon Village	2004	60
212	Namibia	Sanitation centres with vacuum toilets and biogas plants for an informal urban	2010	250
		settlement in northern Namibia		
213	Nepal	UNICEF (The United Nations Children's Fund)	2010	600
214	Nepal	Urine diversion dehydration toilets in Darechowk VDC (Open Defecation Free	2008	4,302
045	Nicoci	Declaration Programme) Chitwan District	2007	500
215	Nepal	Urine diversion toilets for a school in Darechowk Village, Chitwan District	2007	500
216	Nepal	Household urine diversion toilets in peri-urban areas in Kathmandu Valley	2003	1,200
217	Nepal	Biogas digesters for household sanitation in the Nepal Biogas Support Program	1992	686,000
218	Nepal	Ecofarming using products from urine diversion toilets in nine villages	2003	6,810
219	Nepal	Urine diversion toilets as a part of the Rural Village Water Resources	2006	210
		Management Project (RVWRMP), Kailali District		
220	Netherlands	Greywater treatment and reuse as a part of the Green Roof Project for	1989	20
		ecological housing, Utrecht		
221	Niger	Urine diversion dehydration toilets and urinals. For villages of Dan Bidé,	2009	1,200
		Maifarou,Milli, Saja Manja, Dogoraoua,Tsamiya Bakoye ,Zabon Mousso, and		
222	Niger	Malloumey Saboua in Aguié	2007	1 260
222	Niger	Urine diversion dehydration toilets and fossa alterna latrines linked with Farmer Field Schools in rural areas, Aguie	2007	1,260
223	Nigeria	Urine diversion dehydration toilets (UDDTs) in six riverine communities in	2006	600
	rtigoria	Cross River State	2000	000
224	North Korea	Decentralised wastewater treatment system (biogas plants with constructed	2009	10,000
	(People's Democratic	wetlands) in Yonton County		
	Republic of Korea)			
225	Palestine	Urine diversion dehydration toilets with households in rural and peri-urban	2000	196
000	Danasa	areas of Hebron District	0000	4.070
226	Panama	Composting latrines (UDDTs) in rural Panama	2003	1,070
227	Peru	Urine diversion dehydration toilets as a part of a private public partnership project in the Regions of Lima, Cusco and San Martin	2008	300
228	Peru	Household urine diversion dehydration toilets in rural villages in the rainforest	2005	3,060
		of three districts, Region Loreto	2000	0,000
229	Peru	Household urine diversion dehydration toilets in the squatter settlement	2004	600
		Nieveria, Lima		
230	Peru	Household urine diversion dehydration toilets as emergency sanitation in rural	2007	1,205
004	Dami	areas of three districts in Cañete Province, Region Lima	2004	700
231	Peru	Household urine diversion dehydration toilets in the squatter settlement Nuevo Pachacutec, Lima	2001	700
232	Peru	Blackwater and greywater reuse system, Chorrillos, Lima	2007	53
233	Peru	Household urine diversion dehydration toilets for the squatter settlement	1999	300
200	i ciu	Huascar in San Juan de Lurigancho District, Province Lima	1333	300
234	Peru	Household urine diversion dehydration toilets in the peri-urban zones of Ica	2007	460
		City, Region Ica		
235	Peru	Household urine diversion dehydration toilets in rural villages in the rainforests	2002	200
000	-	near Pucallpa Town, Region Ucayali	0004	
236	Peru	Household urine diversion dehydration toilets in rural mountain villages of	2004	75
237	Peru	Huallanca District, Region Ancash Household urine diversion dehydration toilets in Huanta District, Region	2008	120
231	Felu	Avacucho	2000	120
238	Peru	Household urine diversion dehydration toilets for peri-urban households in	2005	410
		Sechura City, Region Piura		
239	Peru	Household urine diversion dehydration toilets for rural areas around Pisco	2007	350
	_	Town, Region Ica		
240	Peru	Household urine diversion dehydration toilets for rural areas in Lalaquiz District,	2008	1,200
241	Peru	Region Piura Household urine diversion dehydration toilets for rural areas in Zurite District,	2008	1,005
241	Felu	Region Cusco	2000	1,003
242	Peru	Urine diversion dehydration toilets (UDDTs) for poor native families in the	2009	205
		rainforest near Satipo in the department of Junín		
243	Philippines	Constructed wetland for a peri-urban housing area, Bayawan City	2005	3,380
244	Philippines	Urine diversion dehydration toilets in rural areas, Bayawan City	2005	510
245	Philippines	Urine diversion dehydration toilets with reuse in allotment gardens, Cagayan de	2005	400
		Oro		
246	Philippines	Rural community and school urine diversion dehydration toilets in Misamis	2007	1,000
C :-	DI	Oriental, Libertad, Initao and Manticao (province of Misamis Oriental)	0001	
247	Philippines	Urine diversion dehydration toilets in rural areas, San Fernando City	2004	1,550
		Urine diversion dehydration toilets and constructed wetland at the Lumad	2003	100
248	Philippines	*	2003	100
	Philippines Romania	Infirmary Hospital, Balit, Agusan Del Sur Province Urine diversion dehydration toilets and constructed wetland at a rural school,	2002	200

250	Romania	Urine diversion dehydration toilets for institutions and households in Garla Mare	2006	510
251	Russia	and Vrata, Mehedinty, Beiu-teleorman, Pietrele-Giurgiu County Biotoilet installations at the Kizhi Reserve Museum, Kizhi Island, Republic of Karelia	2008	
252	Rwanda	UDDTs built by Ministry of Infrastructure (at schools and some households) via the FEA (Water and Sanitation Fund)	2008	22,592
253	Rwanda	Urine diversion dehydration toilets in two rural schools, Huye and Ngororero Districts	2007	2,800
254	Rwanda	Urine diversion dehydration toilets in a rural primary school, Huye District	2006	350
255	Rwanda	Biogas sanitation plants in prisons, Cyangugu City	2001	30,000
256	Rwanda	Urine diversion dehydration toilets in a rural secondary school, Nyamagabe District	2006	100
257	Rwanda	Urine diversion dehydration toilets at Kigeme Hospital	2006	100
258	Rwanda	Urine diversion dehydration toilet for rural households in Bulera District	2008	
259	Rwanda	Public urine diversion dehydration toilets in a business centre, Bulera District	2008	
260	Rwanda	Urine diversion dehydration toilets (UDDTs) in rural communities and schools of Burera, Musanze, Nyabihu, Rubavu and Rusizi Districts	2000	80,000
261	Senegal	Urine diversion dehydration toilets in villages of Dakar and Thiès Regions	2002	15,227
262	Sierra Leone	Urine diversion composting toilets as community sanitation in Chiefdom Pejeh,	2006	1,875
		Pujehun District		,
263	Sierra Leone	Ecosan toilets at the Holy Rosary Secondary School for girls, Pujehan City	2010	450
264	Sierra Leone	Ecosan public toilets for a market site at Waterloo	2011	1,000
265	South Africa	Provision of sustainable sanitation services with urine diversion dehydration toilets to peri-urban and rural communities in the eThekwini (Durban) Municipality	2005	450,000
266	South Africa	Urine diversion dehydration toilets in Genadendal in the Western Cape	2003	
267	South Africa	Urine diversion dehydration toilets in Kaheylitsha in the Western Cape	2003	
268	South Africa	Urine diversion dehydration toilets at Emzamweni High School, Msunduzi in KwaZulu-Natal Province		
269	South Africa	Urine diversion dehydration toilets in rural villages in Eastern Cape Province	1997	120
270	Sri Lanka	Toilet Rehabilitation Project for disaster areas using urine diversion dehydration toilets	2005	
271	Swaziland	Urine diversion composting toilets and enviroloos as a part of the Dry Sanitation project, Msunduza Township	2007	230
272	Sweden	Urine diversion dry toilets in the Gebers collective housing project, Stockholm	1998	80
273	Sweden	Urine diversion flush toilets at Understenshöjden ecovillage in the suburb of Björkhagen, Stockholm	1995	160
274	Sweden	Urine diversion flush toilets at the neighbourhood of Skogaberg, Gothenburg	2005	244
275	Sweden	Integrated Water Management with urine diversion flush toilets at	1999	600
276	Switzerland	Elkanlandstad School, Mölndals Testing of NoMix toilets and waterless urinals in Eawag's (Swiss Federal Institute of Aquatic Science and Technology) new main building 'the Forum	2004	400
277	Switzerland	Chriesbach', Dübendorf "UrinPur" pilot project with NoMix toilets, Liestal (these toilets were removed in	2003	
278	Switzerland	April 2009!) Urine diversion toilets and decentralised domestic wastewater treatment with a	2004	1
210	OWIZCHANG	membrane bioreactor	2004	7
279	Syria	Effluent reuse from constructed wetland system, Haran Al-Awamied	2000	14,000
280	Tajikistan	Urine diversion dehydration toilets at six schools in Sogd Province	2008	2,500
281	Tajikistan	Urine diversion dehydration toilets at households in Matcha and Jabbor Rasulov municipalities, Sogd Province	2008	309
282	Tanzania	Constructed wetland and effluent reuse in a pilot area Majumbasita, Dar Es Salaam	2000	7,000
283	Tanzania	Resource-Oriented Sanitation concepts for peri-urban areas in Africa (ROSA), using urine diversion dehydration toilets, Arusha	2006	100
284	Tanzania	Urine diversion dehydration toilets for households and a school in Hai District, Kilimanjaro region	2002	225
285	Tanzania	Urine diversion dehydration toilets in a nomadic community in Malinyi	2007	640
286	Togo	Urine diversion dehydration toilets for Datcha and surrounding villages (in planning phase)	planned	
287	Togo	Ministry of Foreign Affairs (TMF), Netherlands	2009	750
288	Togo	Urine diversion dehydration toilets (UDDTs) in the Plateau Region	2006	42,900
289	Togo	Urine diversion dehydration toilets (UDDTs) in rural and urban communities in the Savannes Region	2007	32,555
290	Togo	Urine diversion dehydration toilets (UDDTs) in schools and communities of Maritime (Lome), Kara and Savanna Regions	2009	49,500
291	Turkey	Highly efficient wastewater treatment in arid or semi-arid regions		
292	Uganda	Composting toilets and Urine diversion dehydration toilets (UDDTs) in Kisoro	2000	1,235
293	Uganda	Kitgum Town Water Supply Expansion and Basic Sanitation Programme	2003	850
294	Uganda	Resource-Orientated Sanitation Concepts for Peri-urban Areas in Eastern Africa (ROSA), Kitgum Town Council	2006	50
295	Uganda	Water supply and ecological sanitation infrastructure rehabilitation projects (Kalungu, Kanawat and several other towns)	2003	400
296	Uganda	Urine diversion dehydration toilets and constructed wetland with reuse in the Pdimu landing site ecosan project	2002	
297	Uganda	Urine diversion dehydration and composting toilets as a part of the Lake Victoria Environmental Management Project (LVEMP), Ddimo	1997	
298	Uganda	Multi-story urine diversion dehydration toilets in Rubaga Girls Secondary School	2005	650

299	Uganda	Rural sanitation programme with urine diversion dehydration toilets		2,500
300	Uganda	Self-uptake of urine diversion dehydration toilets by households in Kabale	1999	750
300	Oganda	Municipality, Kabale District	1333	730
301	Uganda	Social marketing approach in scaling-up sanitation and hygiene with urine	2008	
001	Ogarida	diversion dehydration toilets in urban slums of Kawempe Division, Kampala	2000	
302	Uganda	Urine diversion dehydration toilets at Biina primary school in Luzira, Kampala		100
303	Uganda	Kampala City Council (KCC) Ecological Sanitation Project testing urine	2002	700
000	Ogunda	diversion dehydration toilets in slums, Kampala (regarded as not very	2002	700
		successful)		
304	Uganda	DED EcoSan Promotion in Adjumani Town Council, Arua Municipal Council	2007	
		and Luwero Town Council		
305	Ukraine	Urine diversion dehydration school toilets in ten schools in Gozhuly, Bobryk,	2004	2,175
		Yaremche, Vorochta, Stepanovka, Stepovoe, Sherbanka, Nova kakhova,		
		Gradenitsy, Nizhyn		
306	Ukraine	Urine diversion dehydration toilets for rural households in Oblasts. Poltava,	2006	270
		Ivano Frankivsk, Chernigiv, Atremievsk, Feodosia, Nizhyn, Mikolaiiv, Kyiv,		
		Nova Kakhovka, Tatarbunary and Sevastopol.		
307	United Arab Emirates	Three examples of wastewater reuse after reed bed treatment, Dubai, Industrial	2005	270
		Zone		
308	United Kingdom (UK)	Geo-textile based dry toilet tested in the Cairngorms National Park, Scotland	2008	90
309	United States of	Ecosanitation at the office of an engineering company in Bellingham (urine	2008	12
	America (USA)	diversion flush toilet)		
310	Uzbekistan	Composting toilets to improve sanitation in the Fergana Valley	2003	2,000
311	Uzbekistan	Urine diversion dehydration toilets for schools and households in urban and	2007	600
		rural areas		
312	Vietnam	Urine diversion dehydration toilets for urban and peri-urban areas, Hanoi City	2004	
313	Vietnam	Support Project to the Biogas Programme for the Agricultural Sector in some	2003	108,000
		provinces in Vietnam		
314	Yemen	Biogas digesters for sanitation in Al Shehr, Ja'ar, Jiblah and Zinjibar as a part	2002	
	.,	of the 'Provincial Towns Programme II' in Al Shehr, Ja'ar, Jiblah and Zinjibar		
315	Yemen	Urine diversion dehydration toilets in rural schools in two governorates. Hajja	2008	9,600
316	Zambia	and Marib	2009	200
316	Zambia	Decentralised Wastewater Treatment System and biogas plant at Pestalozzi	2009	200
317	Zambia	Children's Village in Kasisi, Lusaka Urine diversion dehydration toilets in Chaisa compound, Lusaka	2009	270
318	Zambia	Urine diversion dehydration toilets in Chaisa compound, Lusaka	2003	500
319	Zambia	UDDTs in Kanyama compound in Lusaka (Lusaka Water and Sewerage	2010	1,200
320	Zambia	Company) Urine diversion composting toilets as a part of the Dry Sanitation Improvement	2006	2,000
320	Zambia	Programme for Zambia (ZASP), Kaloko Region	2000	2,000
321	Zambia	Decentralised Wastewater Treatment System and biogas plant, UDD toilet and	2010	25
321	Zambia	waterless urinal at WASAZA, Lusaka (demonstration site)	2010	20
322	Zambia	Biogas sanitation project (with pour-flush toilets) in Kariba community, Ndola	2009	3,500
OLL	Zambia	(Northern Province)	2000	0,000
323	Zimbabwe	Urine diversion toilets for peri-urban and rural areas in Harare and Guruve	1997	
324	Zimbabwe	Promotion of "fossa alterna" toilets under emergency situations in settlements	2006	23,000
02.		in Hopley, Hatcliffe and Victoria Falls	2000	20,000
	Regional projects			
1	Europe	Short-rotation willow biomass plantations irrigated and fertilised with	1998	
'		wastewaters (FAIR5-CT97-3947): 1998 - 2002		
2	Europe	European Sanitary Waste Treatment Project, Sanbox (for remotely located	2010	
		tourist facilities)		
3	West Africa	EU-Sanitation project network for Africa: NETSSAF (Network for the	2005	
		development of sustainable approaches for large scale implementation of		
		sanitation in Africa), 2005 - 2008		
_				2 440 000

3,110,000 Sum of users (very rough approximation only, includes sporadic users): amongst these are UDDT users (rough approximation only): 1,710,000

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