



Study on ecosan project experiences by the help of gtz ecosan project data sheets

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www.gtz.de/ecosan

partner of

**sustainable
sanitation
alliance**

gtz | ecosan program
recycling oriented
wastewater management
and sanitation systems

commissioned by

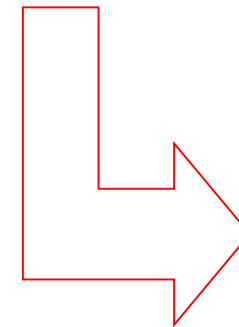
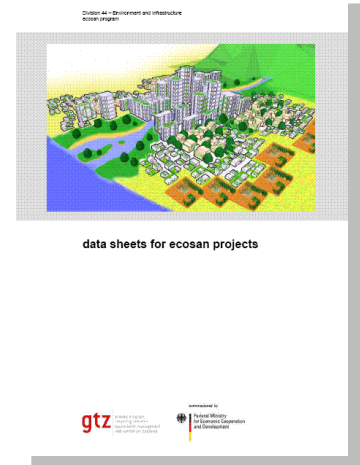


**Federal Ministry
for Economic Cooperation
and Development**



Motivation

- many ecosan projects have been implemented worldwide successfully
- dissemination of practical experiences is important for a broader implementation and scaling up
- clear documentation of such ecosan projects is however often lacking





Content

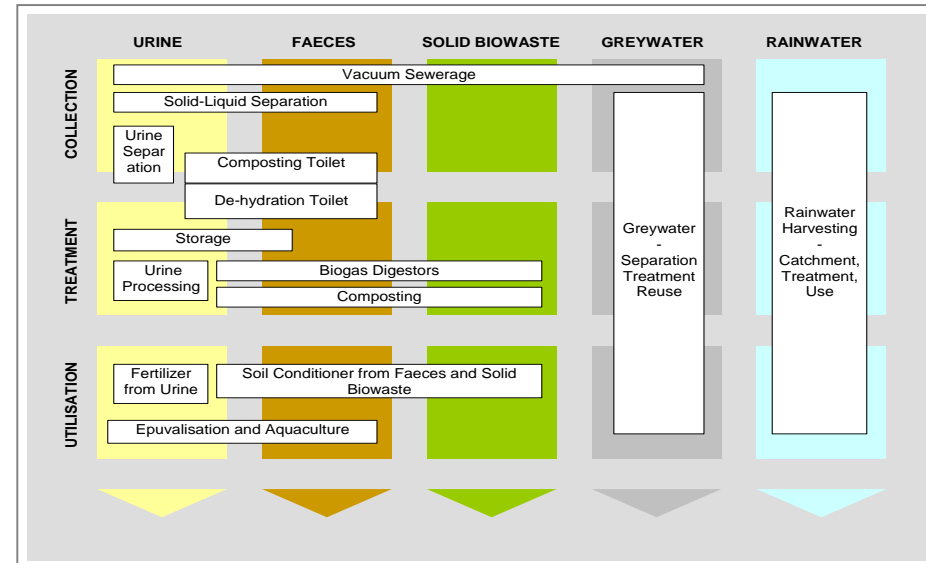
- general data (summary)
- objectives and motivation of the project
- location and conditions, project history
- technologies and design information
- type of reuse
- costs and economics; o&m
- practical experiences and lessons learnt
- sustainability of the system components
- contact details & link to further publications





Matrix of technologies & reuse schemes

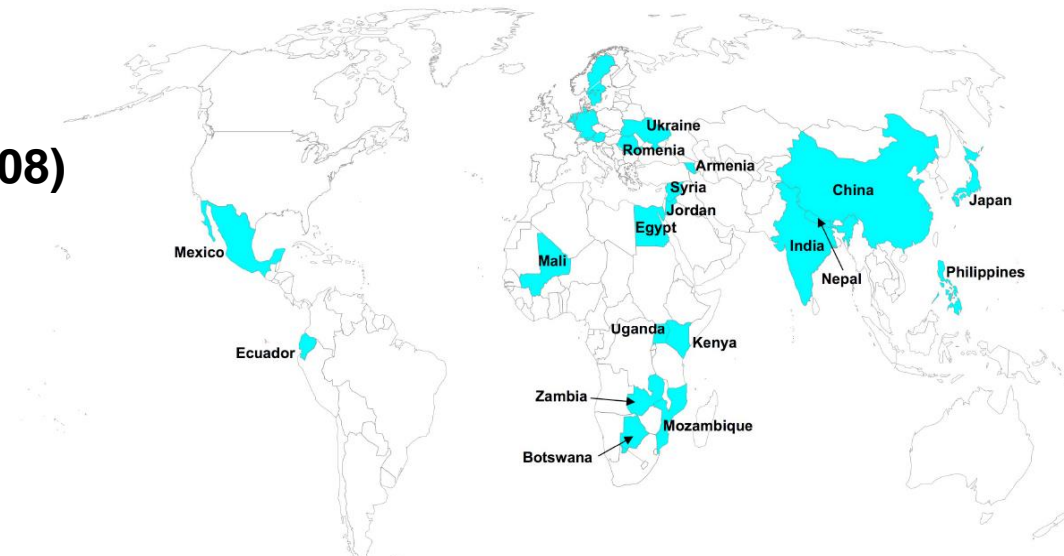
- different material streams horizontal
- processing steps vertically (collection, treatment and reuse)
- employed technologies as boxes





Availability of the project data sheets

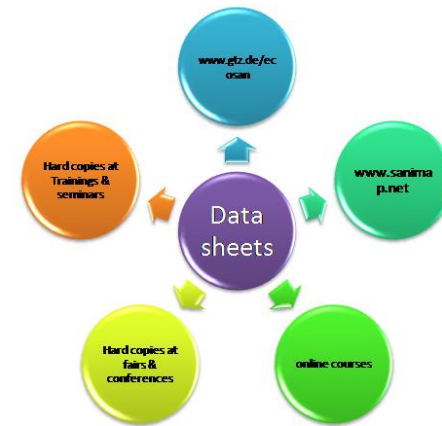
- cover many different project categories and regions
- from developing and industrialized countries
- 31 project data sheets (stand 08/2008) from 23 countries





Dissemination

- website (www.gtz.de/ecosan)
- linked on google based maps (www.sanimap.net)
- ecosan resource CD for capacity development (app. 10.000 x distributed)
- online courses
- hard copies in trainings and seminar
- hard copy on conferences





Ongoing work

- **updating project information**
(oldest data sheets are from 2005)
- **collecting new case studies**
(30 data sheets are presently being considered)
- **developing user friendly online input mask**
- **matrix of sustainability criteria**

	Collection and transport			Treatment			Transport and reuse		
	+	0	-	+	0	-	+	0	-
Sustainability criteria:									
health and hygiene									
environmental and natural resources									
technology and operation									
finance and economics									
Socio-cultural and Institutional setting									



Tanks for your attention!





Appendix



Appendix - A

Criteria	Description	# of datasheets
Region	➤ Africa	4
	➤ Asia	8
	➤ Eastern Europe and Middle East	6
	➤ Latin America	2
	➤ Western Europe	11
Location	➤ rural setting	19
	➤ urban setting	12
Type of installation	➤ residential	13
	➤ educational institution	6
	➤ institutional / business / tourism	7
	➤ mixed type	5
Treatment components	➤ faeces and urine treatment only	10
	➤ faeces, urine and greywater treatment	8
	➤ treatment of more than three flow streams (incl. solid biowaste, rainwater, etc.)	13
Type of reuse *	➤ use of treated material as fertilizer	20
	➤ use of treated material as soil conditioner	21
	➤ use of treated water	14