

Introduction to SuSanA & to "sanitation concepts for the city of the future"



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www.susana.org

Objectives of the SuSanA





- To raise awareness of what sustainable sanitation solutions are and promoting them on a large scale
- To highlight the key role of sanitation for achieving a whole series of MDGs
- To show how sustainable sanitation projects should be planned with participation of all stakeholders (hand in hand with hygiene promotion and capacity development)

Source: Vision Document 1 "Towards more sustainable sanitation solutions" 2007

What is Sustainable Sanitation?



- emphasises the sanitation system
- protects and promotes human health by providing a clean environment and breaking the cycle of disease
- economically viable, socially acceptable, and technically and institutionally appropriate
- protects the environment and natural resources
- can obviously involve a wide selection of system technologies including toilet, collection, transport, treatment, disposal or reuse

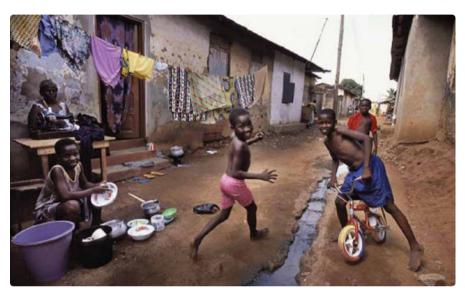
Why is sanitation not happening fast enough?



- neglect of external costs and benefits
- low prestige and recognition
- neglect of consumer preferences



- lack of political will
- poor policy at all levels and poor institutional frameworks
- inadequate and poorly-used resources
- inappropriate approaches (e.g. planning and choice of adequate sanitation systems)



SuSanA was triggered by the International Year of Sanitation 2008





- UNSGAB suggests IYS (in Feb. 2006 within Hashimoto Action Plan)
- decision of the UN for the IYS 2008 (in December 2006)
- objectives of the IYS (formulated by UNSGAB in May 2007):
 - increase of awareness & commitment from actors at all levels
 - mobilisation of governments, financial institutions & sanitation providers
 - secure real commitments to develop & implement effective action to scale up sanitation programmes
 - encourage demand driven sustainable solutions & informed choices
 - secure increased financing to jump start & sustain progress
 - develop & strengthen institutional & human capacity
 - enhance sustainability & effectiveness of sanitation solutions
 - promote & capture learning to enhance evidence base & knowledge on sanitation



currently >100 SuSanA partners ...























PRACTICAL ACTION

SNV

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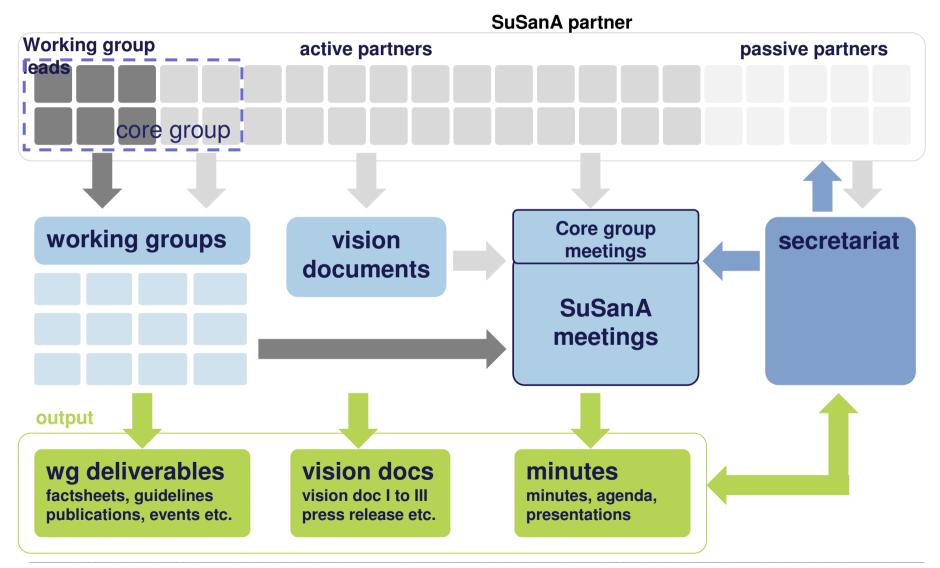
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Structure of the SuSanA





What is SuSanA? [1]



SuSanA contributes to the policy dialogue towards sustainable sanitation...

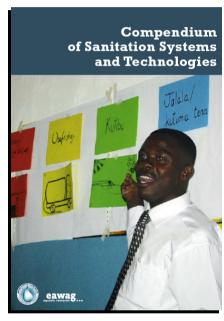


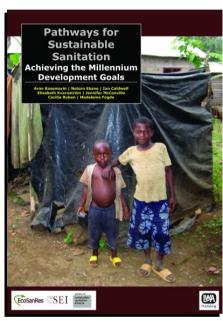
- ... through its
- Vision documents and joint road map
- Fact sheets from several working groups
- Contributions to conferences and events
- ... through a collection of resource materials related to this policy dialogue, e.g.:
- Website (resource material for capacity development in sustainable sanitation)
- DVD as off-line version
- World map on sustainable sanitation projects (Google-based)
- Case study collection

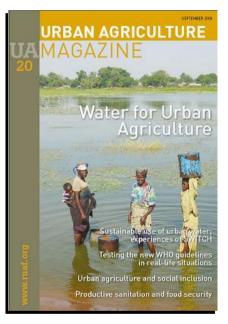
What is SuSanA? [2]

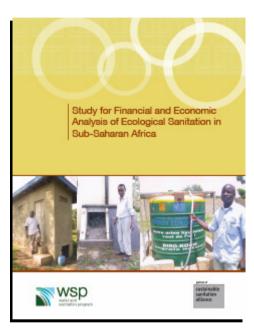


SuSanA is a sounding board









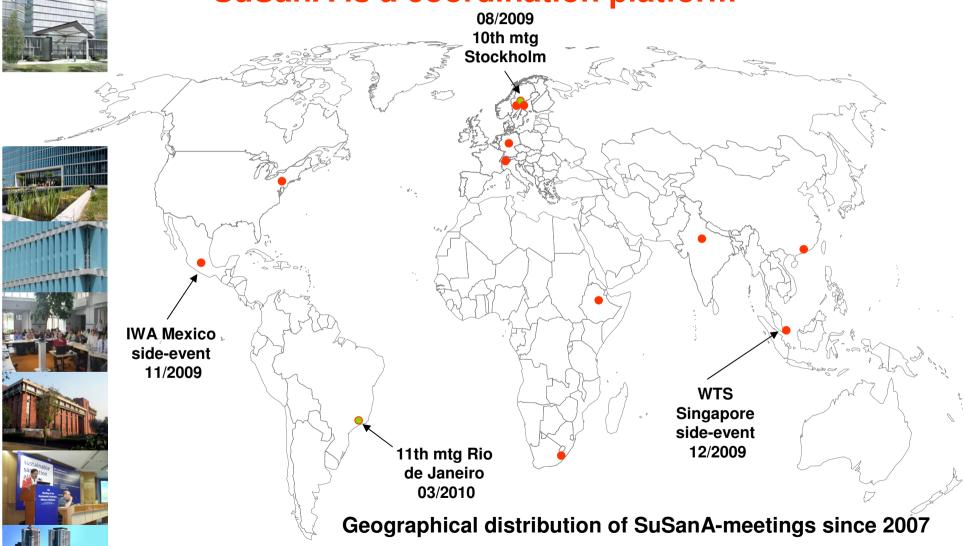
Larger publications from SuSanA partners – discussed during SuSanA-meetings and /or with feedback from SuSanA-partners include e.g.:

- "Compendium of sanitation systems" (Eawag-Sandec 2008)
- "Sustainable pathways to achieve the MDGs" (SEI-IWA 2008)
- "UA Magazine" (contributions from SuSanA working group 7, 2008)
- Study for Financial and Economic Analysis of Ecological Sanitation in Sub-Saharan Africa (WSP 2009)

What is SuSanA? [3]







What is SuSanA? [4]



SuSanA is a working platform

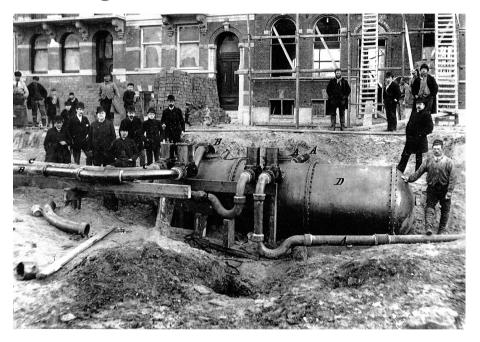
The SuSanA working groups:

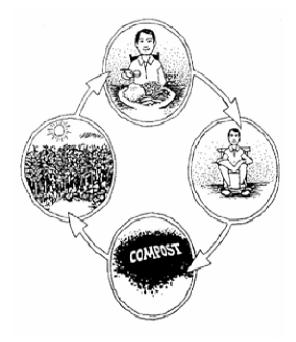
- 1. Capacity development for sustainable sanitation
- 2. Cost and economics of sustainable sanitation
- 3. Renewable energies, groundwater protection and climate change
- 4. Sanitation systems, technology options, hygiene and health
- 5. Food security and productive sanitation systems
- 6. Sustainable sanitation for cities [today: focus urban nutrient mgmt.]
- 7. Community, School, and rural sanitation
- 8. Sustainable sanitation in emergency and reconstruction situations
- 9. Sanitation as a business
- 10. Public awareness & sanitation marketing
- 11. Operation and maintenance of sustainable sanitation
- 12. Gender and sustainable sanitation
- → number and thematic subjects of working groups can change

Looking back for inspiration



 In the not too distant past in the northern hemisphere excreta management was different.





■ 19th Century urban areas, marketing of excreta and organic waste based fertiliser was a thriving business. There were "great stores of manure on the Schelde between St Amand and Baasrode…whence the excrement from Dutch towns was transported by barge"

BUT.....

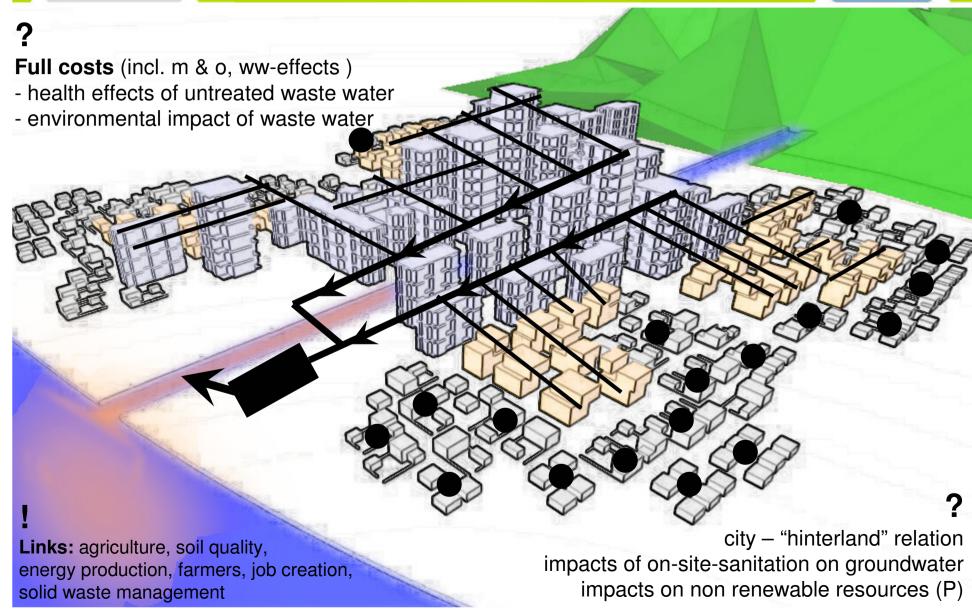
Why the change?



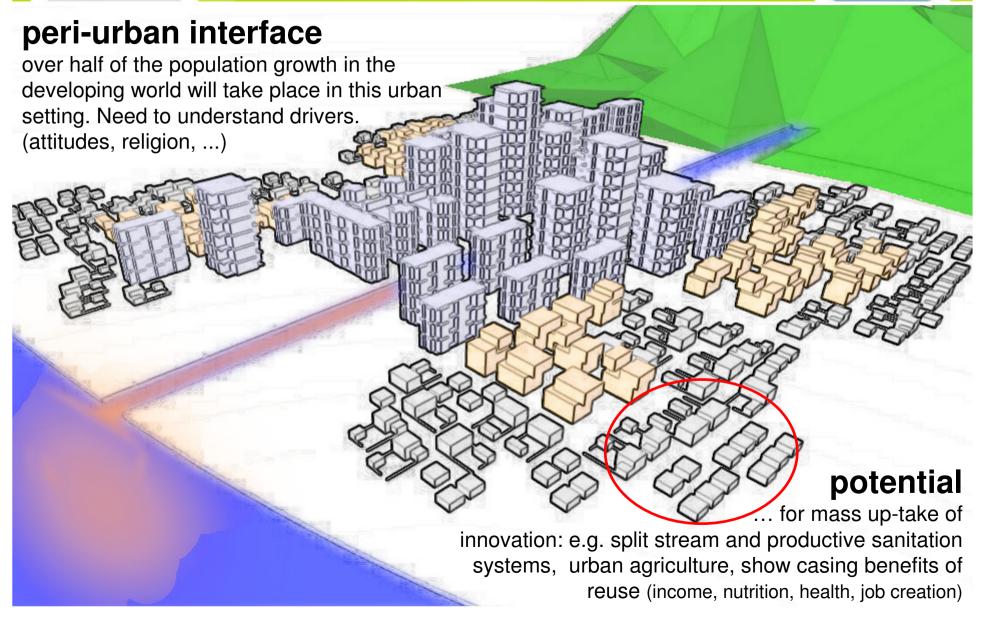
- 1. Nutrient demand met for all three major nutrients (N, P and K) using affordable chemical fertilisers around 1900.
- 2. Piped domestic water supplies in the late 19th century made water flushed sewerage possible. Sewage was flushed from homes and the hearts of cities. Greatly increased volume and diluted nutrients, making it impossible for them to be recovered and reused.
- 3. Urban settlements had grown dramatically logistical challenge proved too great and the public health imperative demanded a solution.

Common current state

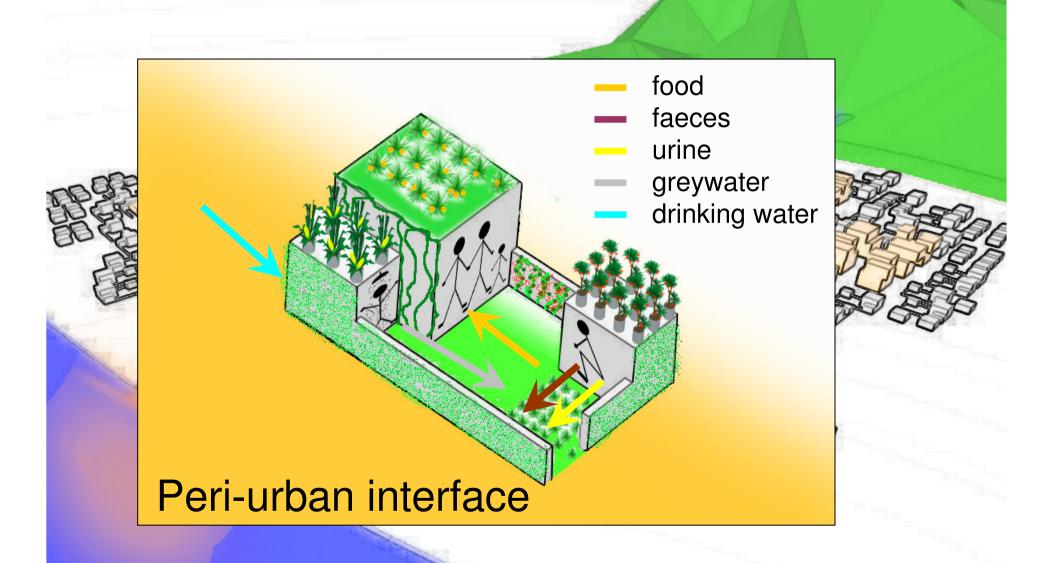












From disposal-oriented to reuse-oriented urban sanitation

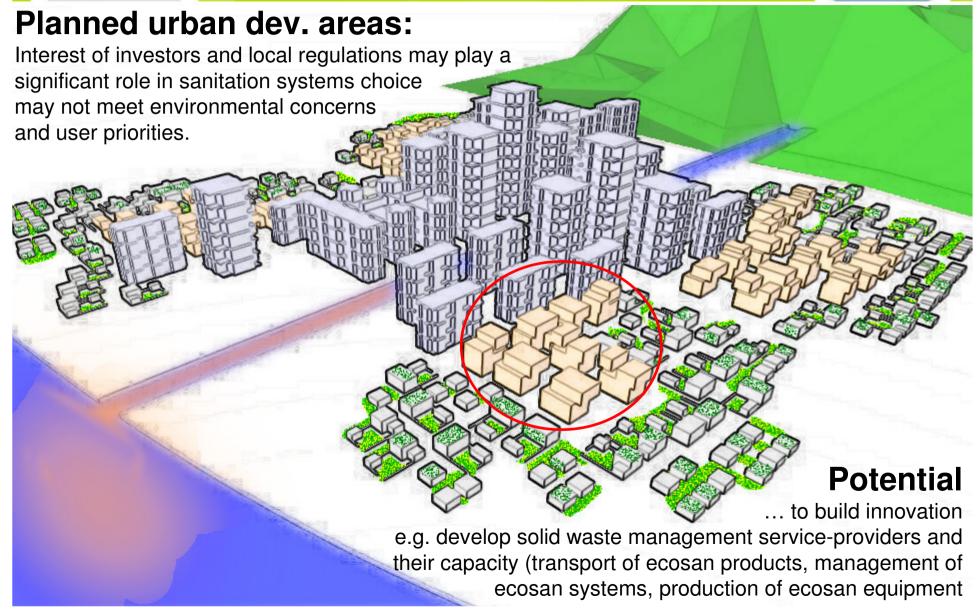




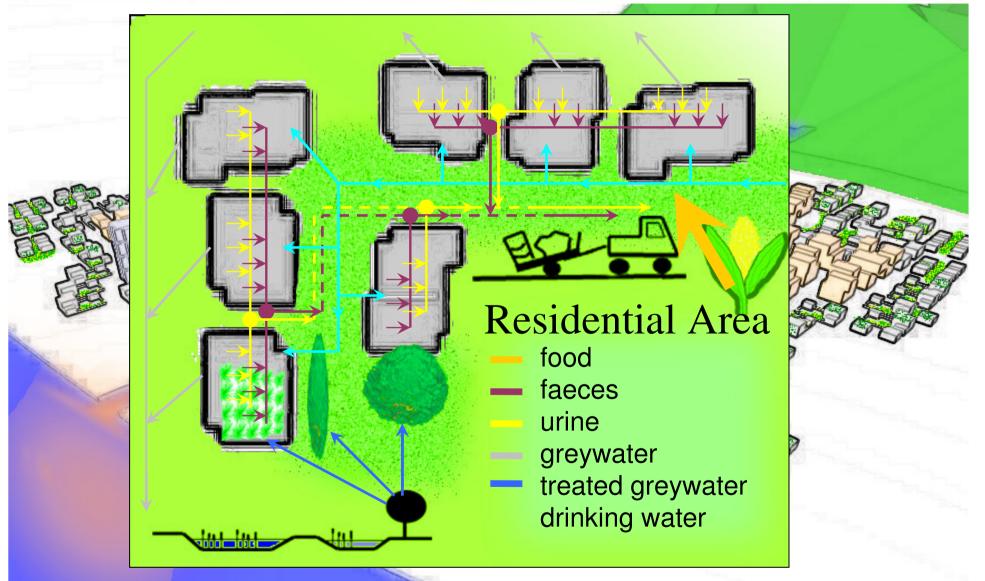
Source:

Robert Holmer, Robert Gensch, Xavier University, Ph.





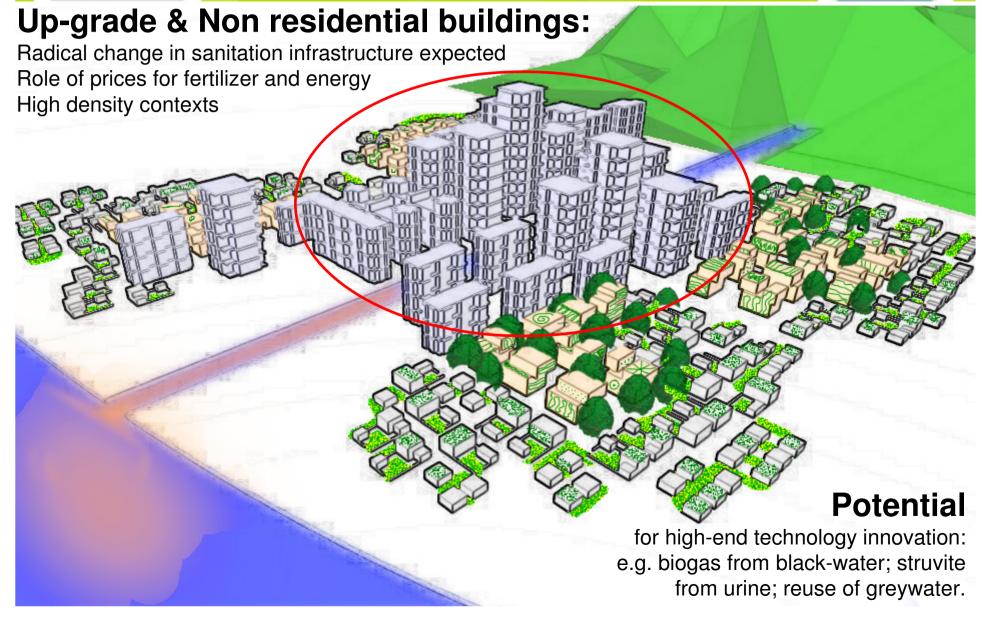




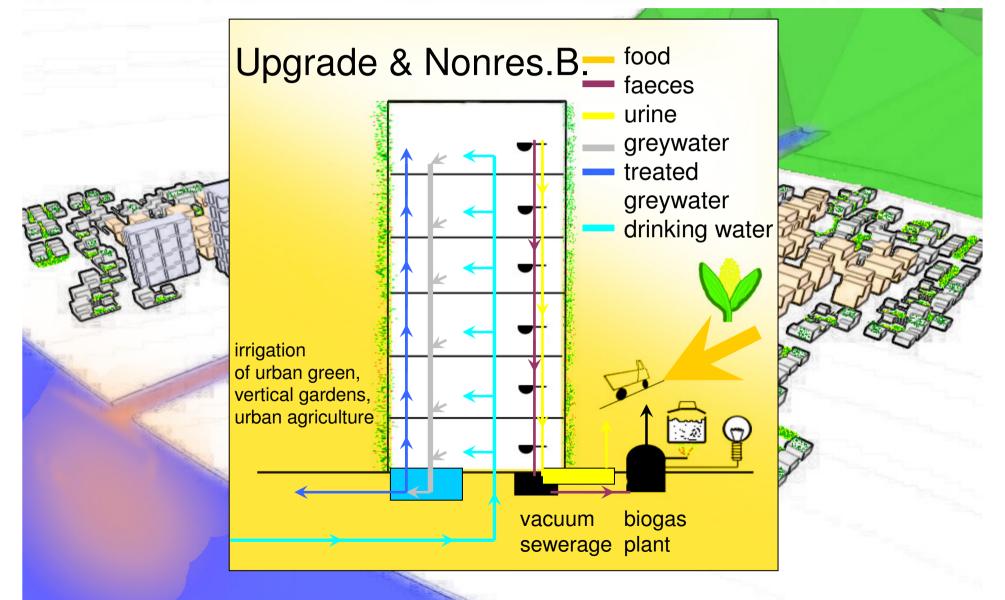










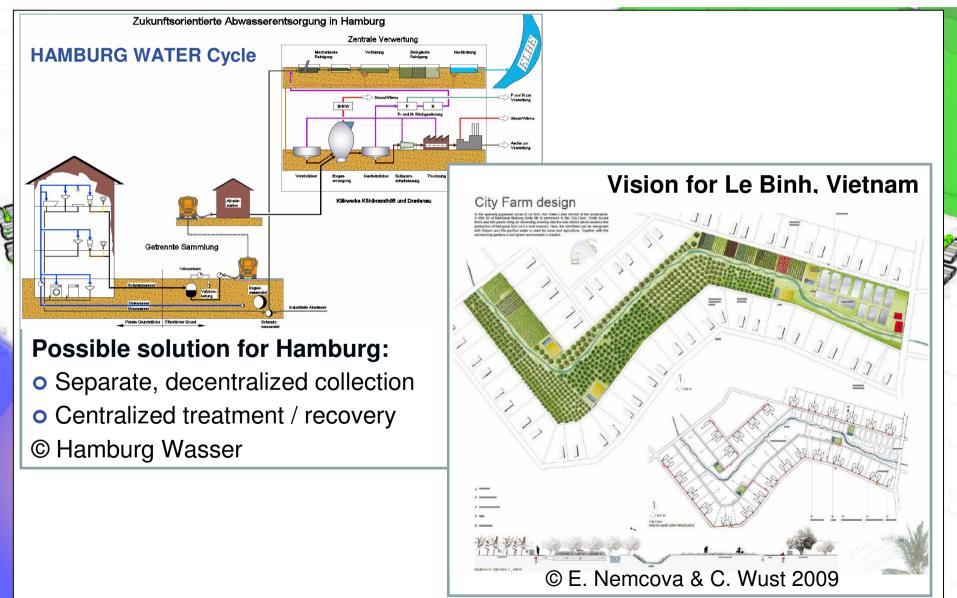
















Entry-points for change





Tenured or nontenured peri-urban interface:

>Ouagadougou

Planned urban areas: > China







Non-residential building>**Eawag**

Non-tenured inner-city slums: >Nairobi



Conclusions



- In the sustainable city of the future recycling will be a must. This will include urban agriculture, urban recreation areas, green buildings and production of renewable energy e.g. from biogas. For all this "productive sanitation systems" will provide input.
- Hence, for the sustainability of cities and particularly for the urban poor, urban sanitation should not be considered as a waste disposal problem but rather seen as an element of a system.
- There is no experience with such city wide, interlinked, large scale and safely operating systems – just as there was none with water flushed sewers in the 1850's.

Deliverables "WG food security"

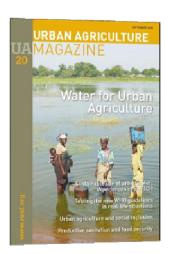


- factsheet
- case study collection
- reuse guidelines for farmers (for urine and faeces)
- articles in different magazines
- collection of relevant literature on the SuSanA homepage











"You can be part of SuSanA"





- SuSanA is a loose network of existing organisations working along the same lines, and open to others who want to join and be active in the promotion of sustainable sanitation systems
- SuSanA had quarterly SuSanA meetings in 2007 2008, and will have in future 1-2 larger meetings per year
 → one major meeting in Stockholm, ideally plus
 → one in a country in the South for more regional input
- SuSanA has formed a core group, consisting of the WGleads plus active individuals, to facilitate coordination and take certain decisions between SuSanA meetings
- All partnering organisations contribute their work and resources on their own expense

Thank you!





Join SuSanA www.susana.org