

Minutes of the kick-off-meeting for the promotion of sustainable sanitation / ecosan within the IYS 2008

Date: 29th to 30th January 2007

At the initiative of: EcoSanRes and gtz-ecosan

Topic: Amendment of the tentative joint road map for sustainable sanitation / ecosan related activities for the “UN International Year of Sanitation 2008”, formulation of objectives, identification of key actors, actions to be taken, commitment of participants and suggestions for TOR

Participants: Brattberg, Gunilla (SEI); Dooley, Therese (UNICEF); Gabizon, Sascha (WECF); Hänel, Mirko (TTZ); Heeb, Johannes (IEES & SEECOM); Himmelsbach, Thomas (BGR); Knapp, Andreas (WB WSP Afr); Kuck, Andreas (gtz); Langergraber, Günter (EcosanClub, ROSA, BOKU); Odenwälder, Nina (Research assistant to UNSGAB vice chair Dr. Uschi Eid, MP); Panesar, Arne (BBU, gtz); Panzerbieter, Thilo (GTO); Polak, Mathias (BGR); Post, Valentin (WASTE); Rosemarin, Arno (EcoSanRes /SEI); Rüd, Sören (gtz); Samwel, Margriet (WECF); Saywell, Darren (IWA); Schattauer, Hans (AWF, AfDB); Schertenleib, Roland (Eawag-Sandec & WSSCC); Sim, Jack (WTO); Wachtler, Andrea (gtz); Werner, Christine (gtz)

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Note on the structure of this document

This document follows the chronological structure of the meeting (please compare agenda) and summarizes statements, results and commitments of the different sessions.

Day 1 - Monday, 29th January 2007

09:30 h	Opening session
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Welcoming address (Andreas Kuck, gtz)

The head of the gtz water department, Andreas Kuck, opens the meeting and welcomes the many representatives of international organisations, the UN and NGOs who have come. He summarizes the basic reasons for the meeting as: communication, coordination and cooperation of the IYS-related activities.

Presentation of the agenda and tentative joint road-map (Christine Werner, gtz) (see Presentation 01)

Christine Werner, head of gtz-ecosan, points out that the workshop was initially planned as a small meeting of representatives from globally active agencies within the ecosan community to coordinate activities for the IYS 2008. The idea of the meeting came up spontaneously but nevertheless resulted in high response to the initial call and in many partners showing interest. Now, more partners, especially from the South, are welcome to join the group in future and to contribute to joint activities. The ecosan community initiated this meeting to promote sustainable sanitation in the context of the IYS, but it sees itself as a part of the whole expert scene of sustainable sanitation and is willing to cooperate and align with other initiatives taken by e.g. WSSCC, IWA and others. The following points are named as the main objectives of the meeting:

- identification of the key actors within and outside the UN
- joint understanding of the roadmap for the promotion of sustainable sanitation within the IYS
- commitment of participants on individual tasks and sub-projects
- some TOR for working groups
- a definition of next steps

IYS – preparatory process and responsibilities within the UN (Nina Odenwälder, Staff German Parliament). (See Presentation 02)

Nina Odenwälder, research assistant to Dr. Uschi Eid (Member of Parliament and UNSGAB Vice Chair), extends greetings of Uschi Eid who unfortunately could not attend the meeting due to a parliamentary session. Main points in her presentation include the following:

- the organisation of the IYS is led by UN-DESA.
- the UNSGAB sanitation working group will draft a proposal for an IYS-roadmap until mid-February. As the preparatory process is just starting, it is possible to bring in additional ideas. Suggestions to UNSGAB should be made until mid February.
- the formulation of the official UN-road map for IYS by the relevant agencies will start in March.
- topics that are under discussion among the UNSGAB board members include the initiation of regional and international sanitation events, strategies to increase public awareness and to identify champions in the sanitation sector,

establishment of a sanitation fund as well as the identification of lighthouse projects.

- together with implementing partners, UNSGAB plans to approach governments, donors, IFIs, etc. for their contribution to the IYS.
- IYS motto is yet to be found.

WTO's possible contribution to IYS 2008 (Jack Sim, World Toilet Organization)

Jack Sim, coming from the World Economic Forum in Davos, informs that:

- the WTO is willing to organize a major international sanitation event within the IYS context in Singapore in June 2008.
- the government of Singapore would be ready to host this sanitation event.
- the start-up of a global sanitation bond for achieving higher investments in the sanitation sector was discussed in Davos with potential partners (e.g. banks, private foundations). For the implementation of this bond an expert group on sustainable sanitation is required which could be provided by the ecosan/ sustainable sanitation community. The GAVI bond for health and immunisation programmes, jointly managed by Deutsche Bank and Goldman & Sachs (see separate mail "Jack Sim-IFFIm-International Finance Facility for Immunisation-standard investor presentation.pdf"), could be an example of how the sanitation bond might work.
- during first discussions on such a bond in Davos, Goldman & Sachs offered pro-bono work, to draft the frame of the global sanitation bond.
- the government of Singapore may offer to host a secretariat of such a bond.
- the google-foundation showed some interest in financing the installation of sustainable toilet systems in flood regions.

A short discussion on what could be a convincing global sanitation event in Singapore 2008 comes to the result, to plan for a "Global Sanitation Funding Conference" as a market place for financing sustainable sanitation.

Day 1 - Monday, 29th January 2007**11:00 h | Short presentations of the participants**

All participants introduce themselves and their organisations and tell the group in which ways they (or their organisations) could contribute to the IYS. They appreciate gtz's initiative to prepare and host this meeting as an important contribution to the success of the IYS. The following statements are presented:

Thilo Panzerbieter, German Toilet Organisation (GTO) (See presentation 03)

- the campaign "Sanitation is dignity" has been very successful in Singapore, Berlin, Zurich, Lausanne, Bremen in 2006. It will be brought to Vienna/Austria, hosted by EcosanClub in summer 2007. Further exhibition sites might be Southern Africa, Australia, Tunisia, Great Britain and Lesotho.
- GTO will upgrade the campaign to contain more interactive and educational components, in order to make it a key awareness raising and lobbying campaign for both industrialised and developing countries in IYS 2008.
- the campaign is offered to all partners in the community to use it in their projects for awareness raising activities and partners are requested to support the campaign through their local contacts in 2008..
- other planned initiatives of GTO for IYS 2008 include a school awareness raising campaign and is a campaign to for paying people for using public urine diverting toilets to raise public awareness for the value of human excreta.

Gunilla Brattberg / Arno Rosemarin, SEI / EcoSanRes (See presentation 04)

- SEI underlines the importance of an integrated approach of sanitation, water supply and town development.
- SEI emphasizes the need for all different solutions in sanitation with ecosan as one good and important example.
- SEI suggests to include the topic "market and reuse" in the road map.
- one activity within the EcoSanRes-programme will be the formation of an international coordination group for ecological sanitation.
- the EcoSanRes programme will develop 10 regional nodes for capacity building in ecosan (3-4 nodes will be scoped and initiated in 2007).
- within the programme, international working groups and workshops are planned and several annual training programmes will be implemented.
- the work for publications, fact sheets and the global database will continue.
- bringing forward the SIDA-Global Sanitation Fund has high priority for SEI, but legal issues still need to be solved.
- one focus of this group should be to identify best practise examples.

Valentin Post, WASTE (See presentation 05)

- main focus and main goal should be to get high numbers of people supplied with sustainable sanitation.
- WASTE will focus on the sustainable financing of sanitation and on the integration with waste management.
- other areas that WASTE will concentrate on are the targeted partnership with a commercial bank and the improved recycling of materials.

Darren Saywell, IWA

- from the IWA point of view the four main questions are how to align the resources in the preparation of the IYS, how to realize a change of attitude in sanitation, how to address people outside of the “sustainable sanitation circle” as well as who should be reached and influenced during the IYS.
- work on the publication Sanitation 21 will continue, feedback is currently worked in and the dissemination process is underway.
- IWA is willing to work on policy papers, mainly in relation to the need for a range of sanitation options and better sanitation planning.
- IWA is willing to host a sanitation seminar series which could run across membership groups of IWA and will culminate in the 2008 IWA Congress, Vienna, September 2008.
- IWA congress in Vienna in September 2008 could be used as a platform for IYS – the details of such an offer would need to be finalized by the SSA.
- web-platform www.sanicon.net (having 50.000 visits per month) should be reinvigorated and offered as a high quality web resource on sanitation, other online resources are a sanitation lexicon and a proposed sanitation wikipedia.
- IWA publishing house could edit a special issue, e.g. in the Water and Health Journal in 2008.

Andreas Knapp, Worldbank WSP (See presentation 06)

- WSP is starting up a working group and a study on the economics of ecosan.
- WSP wants to further support the AfricaSan initiative to keep the political momentum alive.
- the WSP is active in several sanitation marketing programs, is assisting in cost effective hygiene promotion campaigns and is developing sanitation advocacy toolkits and sanitation MDG roadmaps for selected countries.
- focus of WSP in South-Asia will be on upgrading slum sanitation.
- three regional conferences will be organized (EaSan: 20-22 June 2007, AfricaSan: September 2007, LatinaSan: 19-23 November 2007) which could be used to push forward sanitation in 2008.
- WSP is planning a cross regional comparative study on the sustainability and cost-effectiveness of non-conventional and conventional behavior change approaches and a global study on financing policies and practices for reaching the poor.
- new partners like e.g. the Gates-foundation need to be convinced that their funds for sanitation are spent in sustainable projects, in order to encourage them to spend more funds to the sector in future. The ecosan community is invited to assist in that.

Hans Schattauer, African Development Bank – African Water Facility

- points out that AWF gives grants to African governments, NGOs, etc., these could be potentially used for ecosan projects.
- is interested in economic aspects of sustainable sanitation.

Roland Schertenleib, representative of EAWAG/SANDEC and WSSCC

- extends regards from Jon Lane, interim Executive Director of WSSCC, who is anxious to bring forward sustainable sanitation.
- points out that in the recent years the work of the WSSCC was more concentrating on advocacy rather than thematic working groups, however John Lane and Roland Schertenleib will now revitalize the thematic groups. They suggest that the resources of WSSCC and of the group meeting here should be joined to allow a higher impact and output.
- informs that one current focus of SANDEC is research on role of matter flux analysis (MFA) and quantitative microbial risk assessment to measure sustainability and health impacts. SANDEC thereby aims at “bringing science into sanitation”, e.g. by investigating under which conditions which system makes most sense, by studying the advantages and disadvantages of each technique or by finding ways to make conventional systems more sustainable.
- summons not to forget to talk about developed countries as well, and to show that our conventional systems are not sustainable.
- suggests to see the meeting as loose network of partners who want to bring forward sustainable sanitation and thus would call the network the “Sustainable Sanitation Alliance”.

Johannes Heeb, IEES / seecon GmbH

- reports that seecon together with TTZ, gtz, IWWA, and local NGOS will launch an Indian based project to train 200-300 ecosan experts per year.
- suggests to focus on future ecosan actions in capacity building: a pool for different CB-approaches and a worldwide campaign should be organized.
- ecosan e-learning platforms can be used in North-South learning processes to speed up the dissemination process.

Mirko Hänel, Technologie Transfer Zentrum (TTZ) (See presentation 07)

- TTZ will work on increasing the amount of ecosan experts on different institutional levels in India by contributing to the project “ecosan capacity India”.
- suggests a common logo and slogan for the group for better recognition in forthcoming workshops, publications and events.
- TTZ can provide material to several topics, but especially for the large scale implementation of short rotation plantations of energy plants.

Günter Langergraber, BOKU, ROSA and EcoSan Club (See presentation 08)

- the ROSA project in East-Africa will focus on applied research for implementing resource-oriented sanitation concepts in densely populated peri-urban areas
- the EcoSan Club organizes international networking and workshops, provides information and consultancy and implements ecosan concepts in projects
- one focus of the EcoSanClub is to bring back knowledge from projects abroad and to improve the sanitation sector in Austria

Magriet Samwel, WECF (See presentation 09)

- WECF is working on the adaptation of the WHO guidelines to cold climates (currently research is conducted on this).
- WECF is involved in CSD- and EU-events in 2008 which are planned with other partners.
- WECF is implementing case studies in Ukraine and Armenia.
- WECF is involved in ecosan meetings in Romania (March/April), Bulgaria (April), Moldavia (April/May) and in an exhibition on a ministerial meeting in Belgrade (October).
- WECF plans ecosan meetings in Kyrgyzstan, Tajikistan, Kazakhstan, Georgia.
- WECF is involved in an ecosan event in the Netherlands with provincial authorities.
- WECF is involved in the production of urine diversion seats and slabs in Eastern Europe.
- WECF is developing a "toilet inventory".
- WECF is ready to contribute to a documentary movie.

Thomas Himmelsbach, Federal Institute of Geosciences & Natural Resources (BGR) (See presentation 10)

- states that any form of sanitation, regardless its technical realisation, which helps to prevent pathogenic germs as well as undesirable chemicals and nutrients entering the groundwater body is an indispensable prerequisite for a sustainable groundwater protection; BGR is highly committed to support all attempts which impels groundwater protection issues.
- a recent research project of BGR in Kabul has revealed that the widespread use of pit-latrines and the bad condition of sewers has locally resulted in severe groundwater pollution by pathogens and high nitrate contents which exceed any international health limit by far. Under such specific conditions the subsurface hydro-chemistry may be affected in such a way that heavy metals and trace metals are becoming mobilised.

Therese Dooley, UNICEF

- underlines the need for up-grading existing systems into sustainable ones and for up-scaling and dissemination of sustainable sanitation systems in order to reduce the "under-5-mortality".
- underlines the need for capacity building initiatives to get skilled workers (and as "sanitation is behavioural change", technicians and social workers need to be trained).
- underlines that schools could be an entry point for understanding ecological sanitation.
- suggests to put one focus on advocacy and awareness raising in order to get more money distributed to sustainable sanitation.

Sascha Gabizon, WECF

- suggests a common publication to use the same language in the group. The title of this publication could be "Principles of good sanitation".

Christine Werner, gtz-ecosan (See presentation 11)

- gtz can contribute with experience from a high number of ecosan pilot demonstration and dissemination projects.
- gtz will also support ecosan knowledge management with its website, its project / technical data sheets, its literature / project databank, its capacity building material resources CD, etc.
- gtz is willing to provide support of joint events, workshops, etc.
- a contribution can be done to a capacity building initiative (e.g. by an update of the ecosan resources material CD Rom and internet database, etc.).
- gtz is planning to contribute to several joint working groups and publications, e.g. on costs and economics of sustainable sanitation systems; sustainable sanitation, climate change and renewable energies; food security and sustainable sanitation systems; sustainable sanitation for mega-cities; sustainable sanitation in emergency and reconstruction situations; as well as on the formulation of action plans.

Day 1 - Monday, 29th January 2007

14:30	Round table discussion and amendment of the tentative joint road map general discussion
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In the round table discussion, moderated by Andreas Kuck (gtz), on **what the ecosan community wants to achieve during the IYS**, the following points were noted:

- more advocacy for ecosan addressing big decision makers in politics is needed.
- global themes should be used, e.g. by working with TV channels.
- lack of information on the existing good practice examples is felt.
- there is a need to look at how to make sustainable sanitation more affordable.
- a key message should be formulated by the group that relates to health, environment or social aspects of sanitation.
- to reach the public the group should “advertise products” that good sanitation offers, e.g. dignity, healthy kids, save drinking water supply or secure food supply; technical details and scientific evidence will however be needed as well to convince professionals, large funding agencies and donors.
- there is an urgent necessity for publications that express in an easily readable and attractive manner which good examples are available for sustainable sanitation.
- as mottos for the IYS “Year of Best Sanitation Practice” and “Dignity, Healthy Children and Safe Water and Food” are suggested
- the importance of lighthouse projects, operations at large-scale/up-scaling and capacity building in the regions of implementation is underlined.
- it is suggested to identify and undertake common actions on the World Toilet Day (19.11.) in all home and partner countries.
- it is suggested to increase application of ecosan in schools.
- it is suggested to create sanitation awards to enhance participation.

Table 01: brainstorming on “What does the ecosan / sustainable sanitation community want to achieve during IYS?”

Topic	Suggestions
marketing	<ul style="list-style-type: none"> - communicating the subject to the public (mass media) - marketing of WHO guidelines - message: ecosan as an approach, not a technology - best practices - political will + leadership - sanitation is fashionable - dignity - healthy kids
capacity building	<ul style="list-style-type: none"> - workshops for entrepreneurs why invest into ecosan - sanitation networks: netssaf, rosa, esr, gtz - unified online sanitation platform (wikipedia?) widely used
research, innovation	<ul style="list-style-type: none"> - scientific reviews of alternative systems - "back flow" or recharge from sanitation - concept of protection zones and vulnerability

awareness, behaviour change	<ul style="list-style-type: none"> - make it a global issue, "climate change" as an example - ecosan gets "out of the box"
advocacy, political momentum	<ul style="list-style-type: none"> - reaching key decision makers - public campaign, ecosan support, toilet paper: 1 cent to ecosan - advocate for sanitation ministries - UN Sanitation Prize (and other prizes)
implementation, "numbers"	<ul style="list-style-type: none"> - lets focus on urban areas - lighthouse projects
network alliances	<ul style="list-style-type: none"> - secreteriat for sanitation alliance - alliances outside sanitation: renewable energies, agriculture, etc. - formation of international coordination group - link to agriculture
hygiene & health	<ul style="list-style-type: none"> - policy statement "total sanitation"=health problem, ecosan=solution (?)
financing, funds	<ul style="list-style-type: none"> - WSP committment lead on theme economics - WSP study on economics of ecosan - modular study + WG - Global Sanitation Bond Fund - ecosan ≠ more expensive, case studies - develop market moduls - develop financing systems for the poorest
conferences	see Table 05: IYS-relevant events in 2007 and 2008

Table 02: brainstorming on "What made the IYS successful?" (imagining to look back at the end of 2008)

Topic	Suggestions
marketing	<ul style="list-style-type: none"> - industry asks for urine - VIPs to visit projects / media campaign - private sector successfully developing in ecosan and reuse - gold medal winners of the olympic games were fighting for sustainable sanitation
capacity building	<ul style="list-style-type: none"> - a recognized catalogue of sustainable sanitation systems - basic criteria for sustainable sanitation - 25,000 ecosan-experts trained, including existing toilet-builders - included in university curricula
research, innovation	<ul style="list-style-type: none"> - integration of different approaches - professional community realizes problems
awareness, behaviour change	<ul style="list-style-type: none"> - children understand what is sustainable sanitation - out of the closet, "talk toilets" - raising awareness of decision makers (for resource protection) - school children are aware of sustainable sanitation - awareness across the sector
adocacy, political momentum	<ul style="list-style-type: none"> - politicians see magnitude - people know year exists - access to sustainable sanitation is a human right - ministers of finance have clear evidence on value of sustainable sanitation
demonstration, show cases	<ul style="list-style-type: none"> - lighthouse projects, highly visible - "show case" at scale

implementation, "numbers"	<ul style="list-style-type: none">- monitoring criteria - how to measure?- large number of projects started in 2008- measure the impact in numbers- numbers on health data and sanitation coverage
network alliances	<ul style="list-style-type: none">- alliance (or loose network)
hygiene & health	<ul style="list-style-type: none">- Global Deworming Program
financing, funds	<ul style="list-style-type: none">- coordinated all efforts, global fund- clear picture about full costs & benefits of conventional and ecosan systems- proven economic advantages of sustainable sanitation- Gates-foundation was brought to the table
conferences, high level events	<ul style="list-style-type: none">- Global Sanitation Funding Conference becomes the Davos of sanitation: top marketplace where decisions are made

Day 1 - Monday, 29th January 2007

16:30-18:30 h	Amendment of the tentative joint road map Part 1: Partners, MDG vision and monitoring activities
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The session starts with a general discussion on how the group could define itself. In order to have a joint label for the planned activities, and to strategically align with other potential initiatives, the group decides to form a “**Sustainable Sanitation Alliance**” which is not seen as a new organisation, but as a loose network of organisations working along the same lines, open for others who want to be active in the promotion of closed-loop sanitation systems. The group invites other organisations to join the network, contribute feedback, and to get involved in the working groups. It is confirmed that no new formal organisation will be established. For the future mode of working, the following decisions are made:

- regular steering-group meetings will be established.
- no new formal organization will be set-up.
- the group should start working immediately. It is open to new partners, who as well want to promote sustainable sanitation systems. These partners can be incorporated at any later stage.
- A joint logo/layout will be useful to the group.

The group, under the moderation of Roland Schertenleib (Eawag, WSSCC), then discusses the first part of the tentative joint road map and identifies potential additional partners, the need for documents on vision and problem statement, and discusses monitoring issues.

The creation and existence of this alliance should be communicated to others by a **joint logo or layout** which could be a simple outline of the name “Sustainable Sanitation Alliance” together with all the logos of the contributing associations.

The brainstorming on partners produces a **list of potential partners**, UN-agencies and others (see Table 03). These groups should be contacted soon in order to get them involved in the alliance or in the working groups.

Table 03: List of potential partners

potential partner	contact person	organisation with contact
UN-agencies		
UN-DESA	Frederica Pietracci (major groups)	WECF
UNDP	Jörg Staudeman (Bratislava, UNDP Water)	WECF
UN-ECF	Francesca Cenni (water&health protection)	WECF
UNEP	Fritz Schlingemann (strat. dep. executive Director) Cees van der Guchte	WECF gtz
UNESCO	Alberto Tejada-Guibert	gtz
UN-Habitat	Roshan Shresta (Nepal)	WECF, BOKU
UNICEF	Therese Dooley at JMP: Henk van Norden	present at meeting gtz
UNSGAB	Kenzo Hiroki, Uschi Eid, Prince Wilhelm, Jocelyn Dow (women), David Boys (trade union), Gerard Payen (industry)	

UN-Water	Jamie Bartram	
FAO		
IFAD	Laurent Stravato	WECF
WHO	Jamie Batram (also JMP)	gtz
WHO Europe	Roger Aergaenb (Water Director)	WECF
Other International Agencies		
AFD		
KfW	Jürgen Welschhof	
Cities Alliance		
DIFID		
DGIS	Dick van Ginhoven	gtz
EuroAid		
European Commission	Zissimos Vergos (left Brussels?)	gtz
ICLEI		
IFC		
IFOAM		
IRC		
JICA	Mikio Ishiwatari	gtz
Lux-Development		
NORAD		
OECD	Peter Borkey	WECF
SIWI	Cecilia Martinsen	gtz
USAid	Aaron Salzberg	gtz
WB-WSP	Andreas Knapp, Pierce Cross, Rick Pollart	gtz
World Tourism Organisation		
Universities		
Barefoot Colleges		
London School of Hygiene	Steven Sugden	gtz
TUHH	Ralf Otterpohl	WECF, gtz
UNESCO IHE	Elisabeth von Münch	gtz
University of Bonn	Dr. Clemens	WECF, gtz
University of Life Science	Petter Jenssen	gtz
World Toilet College	Heinz-Peter Mang	gtz
Regional organisations, NGOs, local partners (to be completed by all partners)		
Aquamor	Peter Morgan	SEI / gtz
BORDA	Stefan Reuter	gtz
CREPA	Amah Klutse	gtz
CSE India	Sunita Narain	gtz
CSIR South-Africa	Aussie Austin	gtz
German Red Cross		
IWWA	Dayanand Panse	gtz
PEN		
SARAR	Ron Sawyer	SEI / gtz
SUDEA		
Swedish Red Cross		
WaterAid	Belinda Calaguas	gtz

Regarding the **development of a vision** of how the MDGs can be achieved with sustainable sanitation systems the group discusses whether they should make a statement on this. The group decides to do so and concludes, that different documents are needed and all group members should participate in this task.

The documents needed are:

- a **short statement** on how the Sustainable Sanitation Alliance defines itself. This document shall allow us to strengthen the focus of our joint work, to communicate the idea of the alliance to others, and to invite other institutions and organisations to join the alliance. The working title can be “**Background and aims of the Sustainable Sanitation Alliance**” and it is needed immediately (a first draft that you are invited to comment on, will be sent to you soon).
- an **update and further development** of the sanitation chapter in the SEI-document “**Sustainable pathways to attain the MDGs – the role of sanitation**”. Work on this document should start immediately, and should be finalized in August 2007 to be presented at the Stockholm Water Week. **Next steps** would be the distribution of the document by SEI, precise comments by all groups, integration of comments by SEI, final discussion of the result, and the publication of the document.
- an **extended vision** or **Global Action Plan for Sustainable Sanitation** is needed to make a concrete statement on how sustainable sanitation can be implemented on large-scale, what means of finance have to be developed for its realization and how these means can be invested in a sustainable and intelligent manner. The working groups on cost & economics and on vision will develop an action plan to be suggested to the donors and UN-agencies. The contribution of all groups of the alliance is needed to make it a representative vision of the alliance. The document is needed until the Global Sustainable Sanitation Funding Conference in Singapore in June 2008.

As for the **improvement needs of the UN monitoring of the sanitation MDGs**, there is an ongoing initiative by JMP, Swedish and German governments and USAid discussing the criteria and how the monitoring can be improved. After achieving that “composting toilets” count as improved sanitation, (and conventional “flush or pour flush toilets” to all other locations but piped sewer systems, septic tanks or pit latrines count as unimproved sanitation), there is still a need to further improve the criteria in regard to 1) include other ecosan systems such as UDDT as improved sanitation, 2) exclude all flush toilets without efficient treatment, and 3) the sustainable functioning of installed systems instead of merely looking at the existence of infrastructure. In general, it is stated that the quality of the data the JMP receives from the statistical agencies of each country varies to a great extent with reality.

Regarding the issue of a **joint monitoring of the contribution of ecosan systems to the MDGs**, a presentation is given on the existing databases of gtz and SEI (see presentation 12). The group outlines different actions to be taken:

- a joint interactive database with more information than the existing ones will be set up. The joint lead is taken by SEI and gtz, other members are IEES, WECF, WASTE, WSP, AWF, GTO. All group members will feed in data. SEI and gtz will suggest how to join, incorporate or interlink the current databases of SEI and gtz with the gtz technical and project data sheets.

Further statements/comments from the discussion are:

- quality control is needed.

- maintenance of projects/installations, costs, GPS-data is to be included.
- identify a neutral way of presenting the database with the joint label of the Sustainable Sanitation Alliance and by interconnecting it with e.g. www.sanicon.net, as this will help to get additional input from various contributors.
- include data on “staff”/experts in regions; data included could be e.g. alumni from EcoSanRes and other ecosan-training courses.

Day 2 - Tuesday, 30th January 2007

09:00 h	Amendment of the tentative joint road map Part 2: Establishment of thematic working groups, preparation of publications and linking with other MDGs
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The group, moderated by Johannes Heeb (IEES), discusses the second part of the road map and collects ideas which working groups and publications need to be added or deleted. There may already exist working groups the group could contribute to or align with. Small working groups will be established around the proposed publications in the road map. Based on this collection of ideas the alliance-partners will check which resources are available to them and produce more or less extensive publications and other outputs.

- the minimum outcome for each group should be a 2-4 pages fact sheet on the topic.
- furthermore solution-oriented publications might be produced by some working groups.
- fact sheets could be collected and published in a brochure / package.
- apart from production of print-publications it is suggested to establish links between the documentation/monitoring database and wikipedia-entries and how-to-pedia-page.
- for certain topics a range of publications for different user groups (politicians, technicians, users) might be produced.

As next steps the working groups listed below (in Table 04) will start their activities and prepare for the next meeting in April.

Table 04: List of working groups

Theme	Lead	Members	Outcomes	Next steps and remarks
capacity building for ecological sanitation	SEI	gtz, BGR, TTZ, IEES (e-learning), ROSA, WASTE (no commitment yet); Other potential members: Barefoot colleges, IHE, UMB, IRC, World Toilet College	- fact sheet - e-courses - potential final outcome: larger programme where many organisations have their part	starting point: - update of the joint ecosan resource material CD-Rom
Costs and economics of sustainable sanitation (including: livelihood, poverty reduction and business / labour opportunities)	WSP	gtz, WASTE, SEI, WECF, EcosanClub	- eventually stepwise approach - fact sheet - case studies - peer reviewed study for Africa (with some global extensions)	WSP will send TOR for comments starting point: - African study by WB-WSP; - SEI will circulate paper of Guy Hutton - gtz will circulate literature review

				<ul style="list-style-type: none"> - training module, report on financing/costing of sanitation by WASTE - in August a clearer outline of the structure will be finalized
Sustainable sanitation, renewable energies and climate change	TTZ	gtz, BGR	<ul style="list-style-type: none"> - fact sheet - publication (strategy paper) - "Guide" for farmers 	
Sustainable sanitation, treatment options, hygiene and health	WSSCC	SEI, ROSA, TTZ, EAWAG/SANDEC, BGR, IWA London School of Hygiene?, WHO (Thor-Axel Stenström)?	<ul style="list-style-type: none"> - fact sheet - report - publication 	<p>starting point:</p> <ul style="list-style-type: none"> - studies of SEI on urine and faecal management, biological treatment and the report / publication on greywater treatment - WECF-study on sanitizing human excrements in continental/cold climates - EAWAG-publication on greywater
Food security and productive sanitation systems	gtz	TTZ, IFAD?	<ul style="list-style-type: none"> - fact sheet - publication 	
Sustainable sanitation/ecosan for (mega) cities	gtz	BGR, SEI, ROSA, WASTE, IWA, UN-Habitat?	<ul style="list-style-type: none"> - case studies - fact sheet - publication 	
Sustainable public toilets (including gender & equity aspects)	WTO	WSP, gtz, WASTE, WECF	<ul style="list-style-type: none"> - fact sheet - best practice collection 	
Sustainable sanitation in emergency and reconstruction situations	gtz	SEI, BGR, WTO, Swedish and German Red Cross?, UNICEF?, UNESCO IHE?	<ul style="list-style-type: none"> - fact sheet - publication 	<p>starting point:</p> <ul style="list-style-type: none"> - UNESCO-IHE publication - draft literature review of gtz
Sustainable sanitation, environmental protection and protection of non-renewable resources	BGR	TTZ	<ul style="list-style-type: none"> - fact sheet - International conference on GW protection and sanitation by BGR (focus on technical aspects / Africa) 	

Public awareness and sanitation marketing	WSP	IEES, GTO, WTO, affiliated: Nina Odenwälder; Wateraid UK?	<ul style="list-style-type: none"> - fact sheet - documented country cases - production of UDDTs in Romania and Bulgaria - EU-Lobbying: use of ecosan products in agriculture - GTO-campaign "you pee, we pay" - GTO-travelling campaign "sanitation is dignity" - GTO school campaign 	- case study experience of WECF on ecosan in rural areas (Ua., Am., Kg.)
New topics (added to the road map):				
Environmental sanitation planning (HCES, total sanitation)	Eawag / Sandec	gtz, SEI (passive member), IWA	<ul style="list-style-type: none"> - fact sheet - outcomes of testing sites 	<ul style="list-style-type: none"> - SEI will circulate document on planning guidelines - gtz will circulate sourcebook
Operation & Maintenance of sustainable sanitation (including: logistics, odor control, links to solid waste & wastewater)	WASTE	ROSA, WECF, SEI, IWA	<ul style="list-style-type: none"> - fact sheet - range of articles 	
Wikipedia	gtz	all		
Political lobbying	Thilo Panzerbieter, Sascha Gabizon, affiliated: Nina Odenwälder	(should be done by the whole group)	<ul style="list-style-type: none"> - prepare a list of actions to be taken or a strategy, etc. 	- to be finalized until 16-17/04/07

Day 2 - Tuesday, 30th January 2007
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11:00	Amendment of the tentative joint road map Part 3: Events, action plans and funding
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The group with Arno Rosemarin (EcoSanRes/SEI) as moderator collects ideas on how to present and bring in sustainable sanitation in already planned events in 2007 and 2008.

Regarding the update on **events** that will take place in 2007 and 2008 the group members inform each other on the following:

- suggestions to the UNSGAB should be made until mid February.
- formulation of the **UN-road map for IYS** will take place in March.
- **WECF**: regional conferences in March/April in Romania, in April/May in Moldavia, ministerial conference in October in Belgrade.
- international workshop in Erdos, Inner Mongolia, August 27-31, 2007 (**SEI**).
- at the **Ecosummit** in Beijing in May 2007, ecosan will be one issue.
- at the **Stockholm Water Week** 2007 a meeting for reviewing the group's progress is suggested. SEI offers to host working group meetings on Saturday and a joint group meeting on Sunday. During the Sunday meeting an announcement could be finalised that can be distributed among the participants of the Waterweek to inform on the "Sustainable sanitation alliance" and its activities. The meeting could as well be appropriate to get additional UN- and other agencies on board. To do so, a special session/meeting could be scheduled for the evening of the 11th or 12th of August.
- at the **Stockholm Water Week** 2007 IWA (and SEI as co-convenor) will hold a sanitation seminar, taking place on Tuesday or Wednesday. It is possible and welcome to include the "Sustainable Sanitation Alliance" in this seminar. [IWA and SEI will suggest how to do this]
- at the **UNESCO-IHP-conference on Urban Drainage** in Paris (12-14. Sep 2007), there might be a session for the presentation of the capacity building guidelines and for the discussion of future capacity building activities. gtz will take the lead to organize this.
- for the **AfricaSan+5** and the **LatinaSan** conferences input from this group is appreciated. Andreas Knapp will find out how far the design of the EaSan is finalized and if it would be appropriate to give input there as well.
- alongside the **World Toilet Summit** in New Delhi on 1.-4. November 2007 the WTO invites for a working group meeting on sustainable public toilets.
- in Autumn 2007 is the **UNSGAB meeting**, linked to the Latin-American dialogue (potentially in November in Colombia).
- for the **final conference of NETSSAF** in autumn 2008, input is welcome.
- in order to make sanitation the main topic of the **World Water Week in 2008**, SIWI has to be approached as soon as possible, as discussions are on now.
- in May 2009 an **IWA** specialist group conference will be hosted in Mexico.
- the group decides that a **major event in 2008** would be necessary. WTO and the government of Singapore have offered to host this event. Several titles are suggested: Global Sanitation Fair / Market place / Platform or **Global Sustainable Sanitation Funding Conference**, rather than Global Sanitation Forum as considered earlier. The design should be developed to make it as

interactive as possible, to facilitate workshops, and to provide the possibility for meetings between funding agencies and sustainable sanitation experts in order to allow for decisions to secure funding of sustainable sanitation projects at large-scale. The date of the event was moved to June 2008, in order to let it take place alongside the Singapore Water Festival.

The following table gives an overview of sanitation related events in 2007 and 2008 which may be used for promotion of sustainable sanitation or the organisation of workshops and side-events.

Table 05: IYS-relevant events in 2007 and 2008

Country	City	Date	Conference Titel	Organizers
USA	New York	March 2007	UN IYS-Road-map Formulation Meeting	UN
Germany	Aachen	12-13 March 2007	Advanced Sanitation	RWTH Aachen University (ISA), IWA
USA	New York	30 April - 11 May 2007	15 th session of the Commission on Sustainable Development	CSD
Malaysia	Kuala Lumpur	14-16 May 2007	Water Malaysia 2007	IWA
Korea	Jeju Island	20-23 May 2007	Efficient 2007	IWA
China	Beijing	23-28 May 2007	Ecosummit 2007	Elsevier
Singapore	Singapore	04-07 June 2007	4th IWA Leading Edge Conference & Exhibition on Water and Wastewater Technologies	IWA
Asia		20-22 June 2007	EaSan	WSP
France	Lyon	25-28 June 2007	NOVATECH 2007 - 6 th international conference on sustainable techniques and strategies in urban water management	IWA
Germany	Berlin	05-10 August 2007	Planning the Urban Environment	TU Berlin
Sweden	Stockholm	12-18 August 2007	World Water Week	SIWI
China	Erdos	27-31 August 2007	International conference on sustainable cities	SEI, Gov.Mun. Erdos
France	Paris	12-14 Sep. 2007	New directions in urban water management	UNESCO-IHP
South-Africa		Sep. 2007	AfricaSan + 5	WSP
Australia	Perth	28 Oct. - 01 Nov. 2007	2 nd IWA-ASPIRE Asia-Pacific Regional Group Conference and Exhibition	IWA, ASPIRE

India	New Delhi	01-04 Nov. 2007	World Toilet Summit	WTO
worldwide		19 Nov.	World Toilet Day	
Colombia		19-23 Nov. 2007	LatinaSan	WSP
India	Coimbatore	06-09.Feb 2008	8th Small Systems Specialist Group conference	IWA
Germany	München	05-09 May 2008	IFAT 2008 – 15. Internationale Fachmesse für Wasser – Abwasser – Abfall – Recycling	Messe München GmbH
USA	New York	April 2008	16th session of CSD	UN CSD
Sweden	Stockholm	August 2008	World Water Week	SIWI
Singapore		June 2008	Global Sustainable Sanitation Funding Conference	WTO
Spain	Zaragoza	11 June - 14 Sep 2008	EXPO Zaragoza 2008: Water for Sustainable Development	Bureau International des Expositions
Austria	Wien	08-12 Sep. 2008	6 th IWA World Water Congress and Exhibition	IWA
Burkina Faso	Ouagadougou	24-26 Sep. 2008	NETSSAF final conference	NETSSAF
Mexico		Oct 2009	2nd IWA ecosan Specialist Group conference	IWA

- a **Global Action Plan for Sustainable Sanitation** is needed to make a concrete statement on how sustainable sanitation can be implemented on large-scale, what means of finance have to be developed for its realization and how these means can be invested in a sustainable and intelligent manner. The working groups on cost & economics and on vision will develop an action plan to be suggested to the donors and UN-agencies.
- Jack Sim presents the idea of establishing a **Global Sustainable Sanitation Bond** which he discussed with potential donors in Davos at the World Economic Forum. A problem statement and the identification of potential donors are important issues to tackle. The credibility of the bond proposal is essential for getting money from donors. A more detailed description will be provided by Jack Sim.
- the **SIDA Global Sanitation Fund** could be the seed for a global sanitation bond. SIDA's fund is on its way to realization, but legal issues have to be solved.
- a **working group on Funding** was suggested. It shall push forward the creation of a Global Sanitation Bond, but also discuss and contribute to the development of other funding mechanisms, e.g. the idea of an UN trust fund or the further development of SIDA's Global sustainable sanitation fund. AWF, SEI, gtz, WTO are interested in establishing this working group; as a next step, SEI will circulate the document on the SIDA-Global Sanitation Fund to the group.

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14:00 h	Finalisation and “endorsement” of the revised road-map; next steps, tasks for core working groups and commitments of participants
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Following finalizing steps and commitments are made at the end of the meeting:

Second meeting of the Sustainable Sanitation Alliance

- EAWAG will host the **second meeting** of the Sustainable Sanitation Alliance. The meeting should serve as a consolidation, and to report on the progress of the working groups. It will take place on **16-17/04/2007** near Zurich, Switzerland.
- WHO, SDC, Jon Lane (WSSCC) and other participants from the list of potential partners will be invited
- the agenda will be drafted by Johannes Heeb (IEES) and Christine Werner (gtz).

Third meeting of the Sustainable Sanitation Alliance

- SEI will host the third meeting during the Stockholm Water Week, on **12/8/2007 (working groups) and 13/8/2007 (joint meeting)**.

Joint logo or layout

The creation and existence of this alliance should be communicated to others by a certain **joint logo or layout** which could be a simple outline of the name “Sustainable Sanitation Alliance” together with all the logos of the contributing associations. Nevertheless, the group will stay a loose network alliance, and will not become a new organisation. Thilo Panzerbieter (GTO) will soon present a proposal for this logo to the group.

Next steps, tasks for working groups and commitments of participants

The next steps and commitments are confirmed by the participants as they are summarized in this document in the table on working groups (Table 04) and in the attached joint road-map (see attached file “joint-road-map-for-IYS-2008-3rd-draft-21-02-2007”).

All working groups do prepare a clear outline of a schedule, deliverables, mode of working and deadlines for the next core-group meeting 16.-17. April 2007 in Zurich.