GCSM Blue Responsibility Award: Manufacturing for a Sustainable Terra Preta Sanitation System

▶ Challenges

▶ Sanitation is a basic need that still has to be fulfilled for a large part of humanity
  ▶ 40% of the world’s population currently lacking basic sanitation
  ▶ Every 20 seconds, a child dies as a result of poor sanitation

▶ Water-based sanitation systems are environmentally inefficient
  ▶ High resource consumption (water, energy), heavy sewage infrastructures
  ▶ The cycle of nutrients is broken: nutrients are not fed back to the soil, supporting use of fertilizers and soil depletion

▶ In order to take up these challenges, the organizers of the Global Conference on Sustainable Manufacturing (GCSM) launch on the 15.11.2013 an international competition on sustainable sanitation
  ▶ Objective: design new closed-loop sustainable sanitation systems
  ▶ Main criteria: ease of deployment and resource efficiency
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Requirements for submission:

- Overall system design of the sanitation system, including toilets, excreta storage, transportation and transformation into fertile soil enabling food generation.
- Provide a prototype (at least digital, preferably physical) for at least one of the elements of the whole chain
- Definition of realistic business models under the motto: “make sustainable business out of shit”

Important dates:

- 15.11.2013 - Official launch
- 28.02.2014 - Registration deadline
- 31.07.2014 - Deadline for full submission
- 31.08.2014 - Announcement of shortlisted contributions

Award: 10 000 Euro

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