



Women as Agents of Change in Faecal Sludge Management

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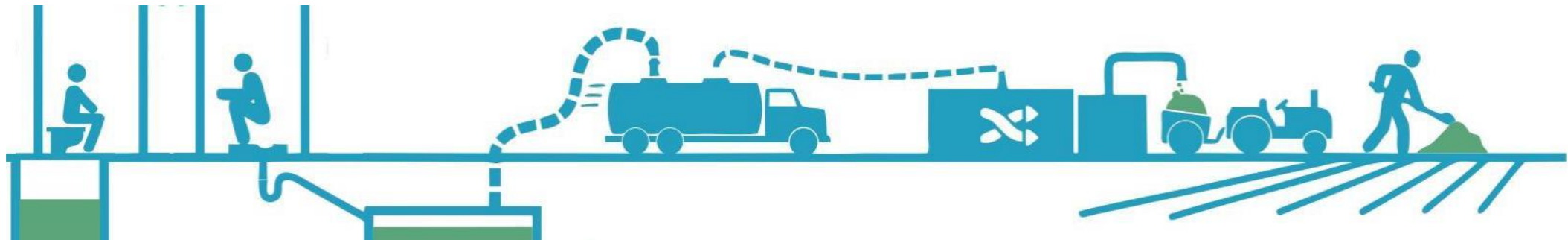
Maren Heuvels, Germany, BORDA

Why is FSM an issue we should look into?

The example of India: 1, 3 billion people

With the Swachh Bharat Mission for a clean India, there is a political move to end open defecation

BUT – what happens if we have 780 million full septic tanks?



We need sustainable services for containment, emptying, transportation, treatment, and disposal/reuse



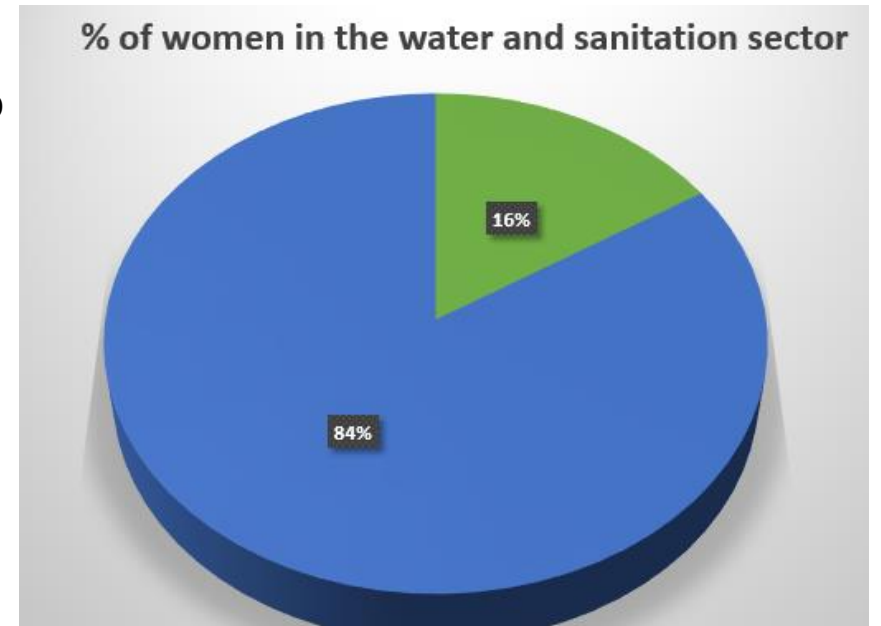
The Double Gap in the Sanitation Sector

According to the IWA, in 10 countries reviewed there was a cumulative shortfall of 787.200 trained water and sanitation professionals in order to reach universal coverage;

Mozambique: 62% more WASH technical field personnel are required in the sanitation sector

Ghana: 98% shortfall in human resources is in the sanitation sector

Papua New Guinea needs to multiply its current WASH workforce by a factor of 9 in order to achieve universal coverage



+ ILO: 17% are paid female workers
+ IWA: 16% of water and sanitation sector professionals in the reviewed countries are women

IWA 2015: <http://www.iwa-network.org/wp-content/uploads/2015/12/1422745916-human-resources-capacity-gaps-study-Executive-summary.pdf>

IWA 2016 http://www.iwa-network.org/wp-content/uploads/2016/08/The_Untapped_Resource_screen.pdf

What has FSM to do with Women?



The case of Devanahalli shows that women can be at the core of an innovative and technology-focused project on city scale.

Can we afford to miss out on the capacity and contribution of women to the FSM challenge?

Devanahalli – FSM on Town Scale

Pilot project by BORDA and CDD 2014-15

\$ Bill and Melinda Gates Foundation

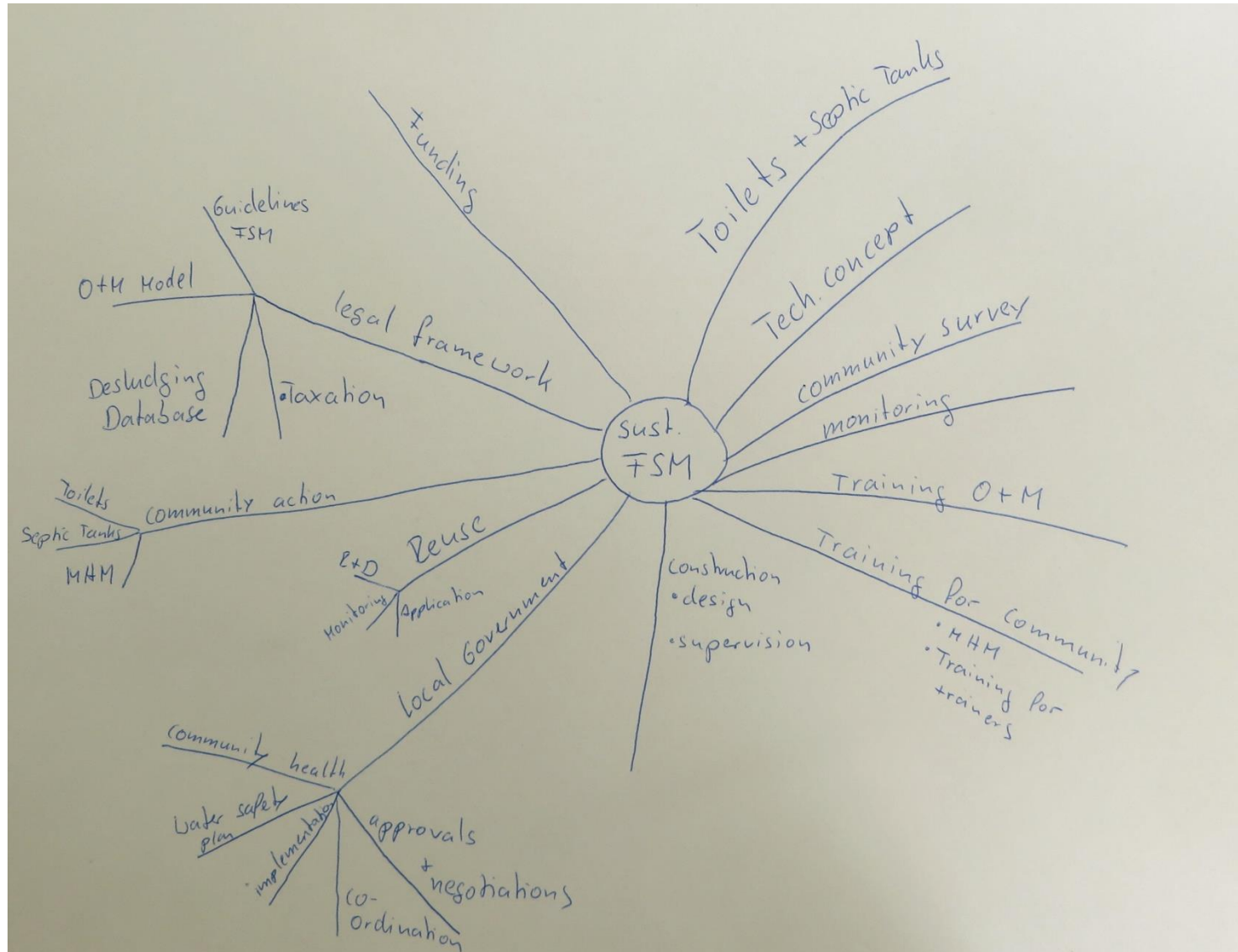
“The aim of the project is to ensure efficient treatment of faecal sludge in the town of Devanahalli, to ensure safe reuse of treatment by-products, and demonstrate possible business opportunities with by-products.” CDD Society

Technical set up: Containment (toilets and septic tanks) > Transport (Trucks)
> Treatment (Biogas and DEWATS modules) > Reuse (fertilizer for farms)

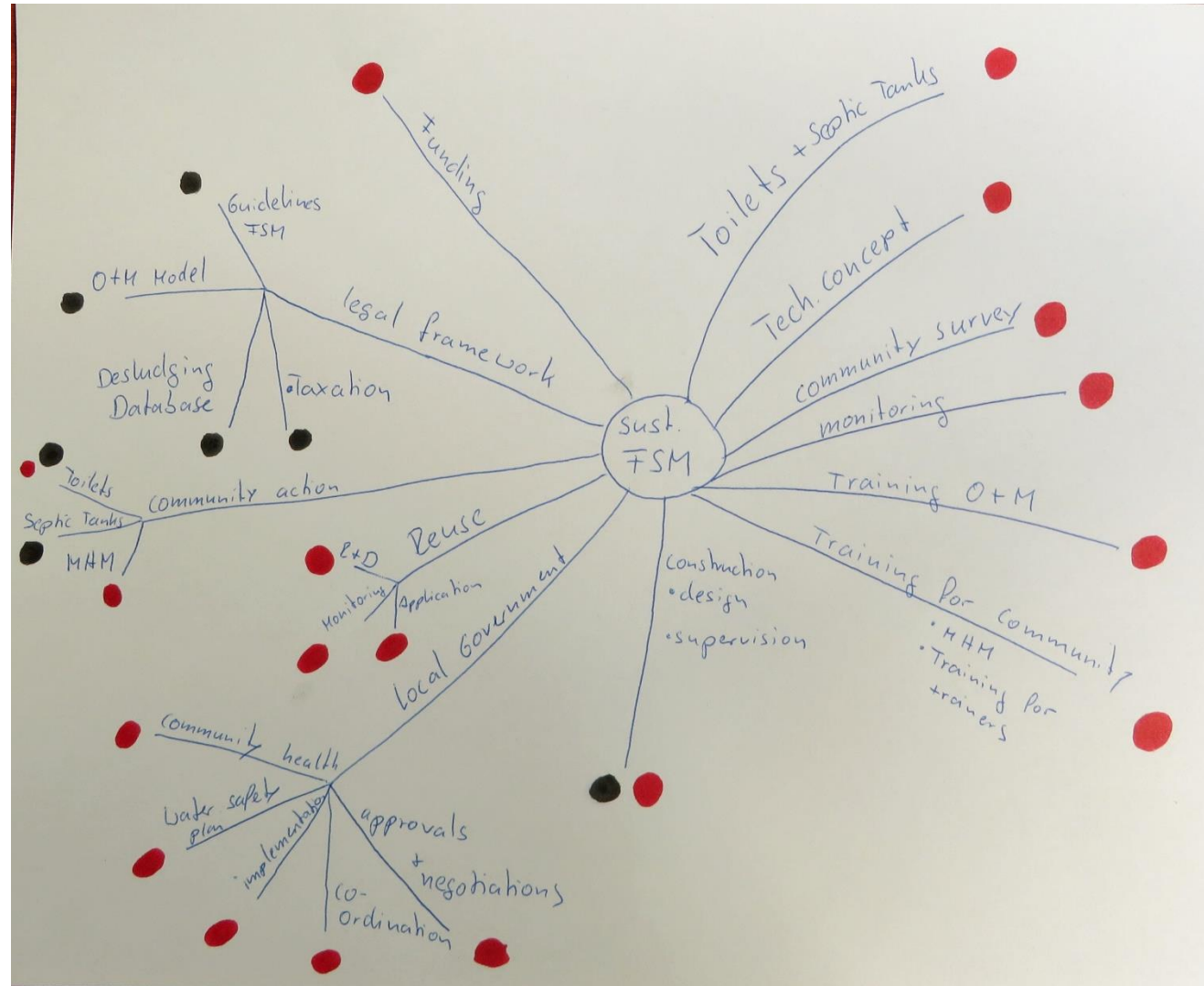
Institutional set up: Ownership by local government > sustainable financing through taxes > business opportunities with by-products

The project in detail: <https://youtu.be/osLAQcKHx9M>

Sustainable FSM – The Set Up

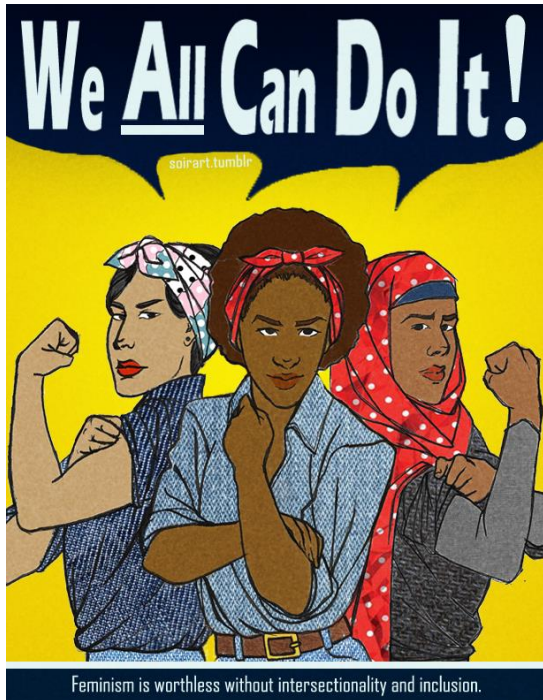


Women as Agents of Change



Learnings from Devanahalli and the FSM Conference in Chennai 2017

**FSM needs all genders –
in governments, utilities, NGOs,
companies, as well as in community
councils**



What are the wishes from women in the
FSM field:

- Respect!
- Create a work environment where women can step up the career ladder, become key decision makers, and are free from harassment
- Adapt HR policy and processes
- Create awareness among male leaders and colleagues on advantages of gender equal teams, female colleagues and leaders