



STADTREINIGUNG.HAMBURG

International engagement for climate protection

Britta Peters, 16 May 2018



**ENGAGEMENT
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Service für Entwicklungsinitiativen



Content

- Connective Cities
 - Dialog event
 - Expert mission
- Municipal Climate Partnership
 - Composting plant Dar es Salaam



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Connective Cities - Dialog Event

Facts

- Topic: Climate protection through circular waste management
- 27 to 29 Nov 2017 in Hamburg
- 40 municipal practitioners and experts from Turkey, Tanzania, Jordan, Zimbabwe, Brazil, Morocco, Moldavia, Ukraine and Germany



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3

Connective Cities - Dialog Event



Motivation

- Contribution to sustainable solid waste management not only in Hamburg and Germany, but also on international level
- Global responsibility, contribution to Agenda 2030
- Scale of environmental problems reached level that requires local and global partnerships
- Knowledge transfer – both ways



Connective Cities - Dialog Event



Implementation

- Phase I Thematic introduction: keynote speeches to set the scene



Connective Cities - Dialog Event

Implementation

- Phase II Exchanging good practices: poster presentations – gallery walk



Connective Cities - Dialog Event



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Implementation

- Phase II Exchanging good practices: walk & talk



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IFAT 2018

7

Connective Cities - Dialog Event

Implementation

- Phase II Exchanging good practices: walk & talk



Connective Cities - Dialog Event

Implementation

- Phase III Peer consultation: utilize expertise to address real life challenges



Connective Cities - Dialog Event

Implementation

- Phase IV Joint project development: development of new project ideas to address challenges in small groups



Connective Cities - Dialog Event



Conclusion

- Hosting the event > international perspective into public company
- Participating employees (management and professional staff) > opportunity for engagement
- Repetition? yes!



Connective Cities - Expert Mission



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Facts

- Topic: Integration of the informal sector into the solid waste management system
- 26 to 28 Feb 2018 in Jundiai, Brazil
- Follow up event from dialogue event
- Seconded experts from Landkreis Kassel and Stadtreinigung Hamburg

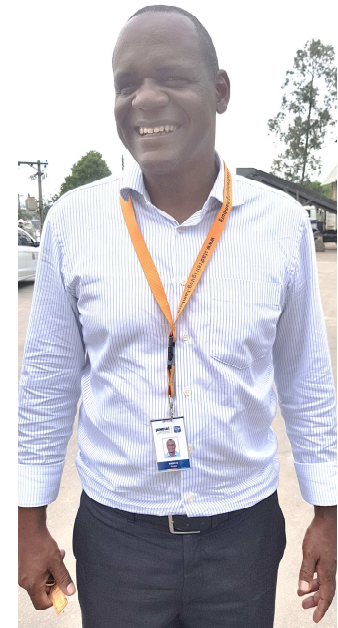


Connective Cities - Expert Mission



Motivation

- Commitment resulting from Dialogue Event
- Gain international experience for future advisory functions and international projects
- CC covers travel costs – no honorary



Connective Cities - Expert Mission



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Implementation

- Stakeholder interviews and focus group discussions on informal solid waste management



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IFAT 2018

14

Connective Cities - Expert Mission

Implementation

- City-wide workshop with key stakeholders



Connective Cities - Expert Mission



Implementation

■ Recommendations

unwillingness of the private company to run it in shifts. 45 people work at the manual sorting plant. They earn ca. 5500/-month (salary 3000, plus extra money for food, transportation, shopping vouchers, etc.). Some streets in Jundiai are narrow and hence cannot be accessed by waste collection trucks. The city has 5 assembly centres where residents can dispose different fractions of recyclables free of charge. Households place their rubbish bags not in bins put on purpose made traps one metre above the ground (on the side walks/ public land) to keep them out of reach from dogs. Some waste pickers tore the bags apart to pick the most valuable recyclables. The open bags remain and pollute the ground and lead to bad odours. The separation motivation is low as people are experiencing that the collection and sorting of the recyclables does not work well and as the media supports this impression.



Waste transfer station and sorting machine



Household waste collection on public ground

The solid waste management plan of the city of Jundiai aims at integrating the informal sector into the solid waste management system of the city (developed in 2017).

Acc. to city officials the informal sector is no big problem for the city as the number of pickers is small, but the working conditions of informal waste pickers are not good and not fair, hence the city wants to act to support the informal waste pickers to ensure better working conditions and stop

Recycling program at elementary school:

Starting point: waste pile in front of the school attracted mosquitoes > dengue fever cases among school children.

School children collect sponges, toothbrushes and tooth paste and sell them to recycling companies. The program is later being extended to also collect and sell plastics, cooking oil and other recyclables.



Sorting area at elementary school

The children engage in competitions (which class collects more), clean the neighbourhood of the school and act as waste champions in their neighbourhood educating others. The activities are being integrated into all subjects (materials are for instance being counted and weighed as part of the maths class). The income is used to build new playgrounds and buy books and other school equipment.



3

Recommendations for NAKOPA project proposal

1st phase, M 1 to 12

1. Establish dialogue forum among city administration and other stakeholders to discuss climate and environmental protection issues, including solid waste management
2. Strengthen the informal sector by creating dialogue among actors and electing representatives to prepare them for participatory enumerations
3. Establish database on informal solid waste sector based on participatory enumerations conducted with KoBo Toolbox (www.kobotoolbox.org)
4. Use findings of 1 to 3 to identify pilot project for second phase

2nd phase, M 13 to

Pilot project in a neighbourhood of Jundiai with the potential for up-scaling to other parts of the city, details of the pilot project will be developed according to the lessons learned in phase 1

Integration of educational sector

Explain educational sector actors that their knowledge and experience will be needed in phase 1 in the establishment of the dialogue forum but also as entry point to get in touch with informal waste pickers.

In phase 2 the educational activities can be integrated into the pilot project.

Connective Cities Expert Mission

Conclusion

- Knowledge exchange at eye level (practitioner to practitioner)
- Stronger relationships increase commitment
- Political priorities may shift
- Importance of right matching of CC partners



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Municipal Climate Partnership



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Städtepartnerschaft
Sister City Partnership



Federal Ministry
for Economic Cooperation
and Development

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COMMUNITIES IN ONE WORLD



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18

Municipal Climate Partnership



Facts

- German municipalities and their partner municipalities in the South developed joint programmes for action on climate change
- These programmes will define specific targets and measures for climate change mitigation
- The Free and Hanseatic City of Hamburg provides about 150,000 € per year for climate protection projects outside of Germany
- Hamburg and Dar es Salaam are twin towns since 2010



Municipal Climate Partnership



Motivation

- Climate change is creating major challenges for municipalities worldwide
- The work carried out within these partnerships reflects the principle of joint responsibility and generates new knowledge on both sides
- Since the “low hanging fruits” have all been picked in Germany, it can be more efficient to instead support climate protection in developing countries and emerging markets with German money (Clean Development Mechanism Project)



Municipal Climate Partnership



Implementation

- 2013: feasibility study for a CO₂ reduction project
- 2014: implementation concept for a compost plant for organic market waste, subsidies for the implementation have been requested



Municipal Climate Partnership



Implementation

- Since 2015: project funded by BMZ and FHH
- Two years to sign all contracts and to find a suitable plot of land
- End of 2017: construction work started



Municipal Climate Partnership

Conclusion

- Saving CO₂ emissions from depositing organic matter in landfills
- Production of organic compost to substitute imported fertilizer from abroad
- Job creation
- Later extension of the composting plant possible (up to triple size)



Municipal Climate Partnership



Conclusions

- Approx. 7,000 Mg CO₂ emissions per year will be saved
> CO₂-certificates granted to the city of Hamburg
- Knowledge transfer for climate protection
- Changes in political leadership may lead to shifting priorities





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Thank you...

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Innovation

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