



**STADTREINIGUNG.HAMBURG**

## **International engagement for climate protection**

Britta Peters, 16 May 2018



**ENGAGEMENT  
GLOBAL**  
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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# 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



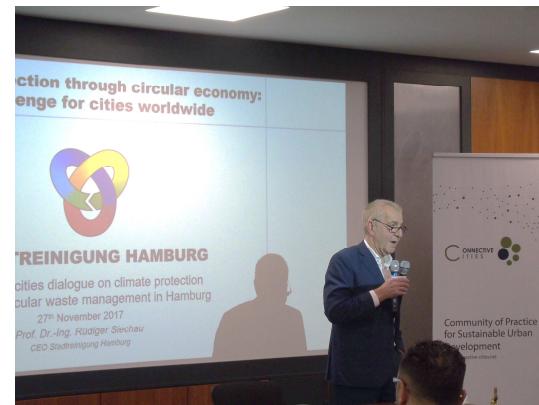
# Connective Cities - Dialog Event



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## Implementation

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



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# Connective Cities - Dialog Event

## Implementation

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



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# Connective Cities - Dialog Event



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## Implementation

- Phase II Exchanging good practices: walk & talk



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# Connective Cities - Dialog Event



## Implementation

- Phase II Exchanging good practices: walk & talk



# Connective Cities - Dialog Event



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## Implementation

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





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# Connective Cities - Dialog Event

## Implementation

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



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# Connective Cities - Dialog Event



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## Conclusion

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



# Connective Cities - Expert Mission

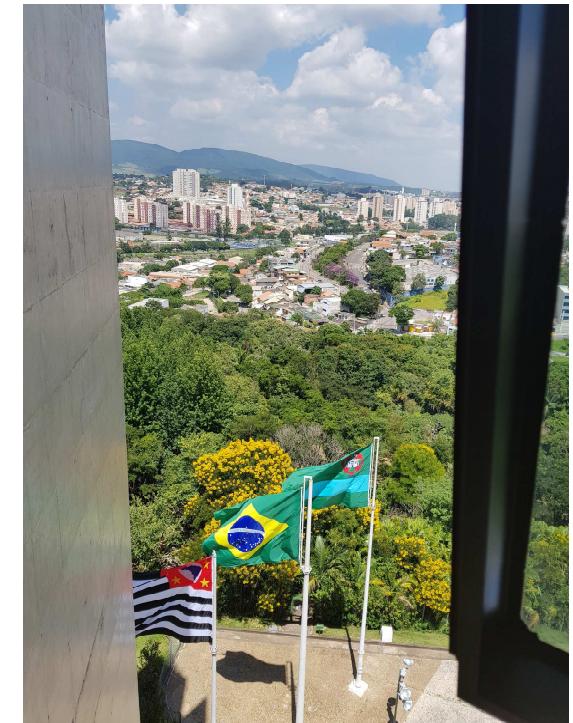
## Facts

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



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IFAT: Weltleitmesse für Wasser-, Abwasser-, Abfall- und Rohstoffwirtschaft



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# 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



## Implementation

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



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# Connective Cities - Expert Mission



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## Implementation

- City-wide workshop with key stakeholders



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# Connective Cities - Expert Mission



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## Implementation

### ■ Recommendations

Interviews of the private companies on site in Jundiaí. 45 people work in the manual sorting plant. They earn a.s. SGD 1000 month (salary SGD 200, plus extra money for food, transportation, shopping vouchers, etc.). Some streets in Jundiaí are narrow and hence cannot be accessed by waste collection trucks. The city has 5 sanitary centres where residents can dispose different fractions of recyclables free of charge. Households place their rubbish bags not in bins put on purpose made trays one metre above the ground (on the side walks/ public land) to keep them out of reach from dogs. Some waste pickers collect the waste from these trays and then sort it on the ground. This is a bad practice as it pollutes 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.



The solid waste management plan of the city of Jundiaí aims at integrating the informal sector into the solid waste management system of the city (download 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



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**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 areas 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.



#### Recommendations for NAKOPA project proposal

##### 1<sup>st</sup> 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](http://www.kobotoolbox.org))
4. Use findings of 1 to 3 to identify pilot project for second phase

##### 2<sup>nd</sup> phase, M 13 to ....

Pilot project in a neighbourhood of Jundiaí 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.

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# 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



Städtepartnerschaft  
Sister City Partnership



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# 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



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## Implementation

- 2013: feasibility study for a CO<sub>2</sub> reduction project
- 2014: implementation concept for a compost plant for organic market waste, subsidies for the implementation have been requested



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# Municipal Climate Partnership



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## 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



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# Municipal Climate Partnership



## Conclusion

- Saving CO<sub>2</sub> 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



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## Conclusions

- Approx. 7,000 Mg CO<sub>2</sub> emissions per year will be saved  
> CO<sub>2</sub>-certificates granted to the city of Hamburg
- Knowledge transfer for climate protection
- Changes in political leadership may lead to shifting priorities





**STADTREINIGUNG.HAMBURG**

# **Thank you...**

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