

German Environment Agency

20. September 2021

## Hybrid Conference 'The Challenge: Combat Global Warming with Waste Sector Actions'

### **IN DISCUSSION:** **Compost for nature-based solutions in climate-resilient cities**

**Wed., 29.9.2021, 14:30-15:30 CEST**

#### **Panelists (green=in Person, in alphabetic order)**

Asa Bergerus-Rensvik, Swedish Environment Protection Agency

Lkhagvadulam Chimeddamba, Ulaanbaatar Community Food Waste Recycling Project implemented by the Municipality of Ulaanbaatar, Mongolia (Funded by the Asian Development Bank)

Dr. Esau Galukande, Kampala Capital City Authority, Uganda

Michele Giavini, Italian Composting and Biogas Association, Italy

Sebastian Lange, Climate Division, UN Habitat

Johannes Paul, Division Climate Change, Environment & Infrastructure, GIZ

Ulrich Thüer, Head of Waste Management Portfolio, GIZ JO

#### **Moderation:**

Keya Choudhury

#### **Key Questions**

How can we make circularity and climate mitigation in cities happen by making compost from organic waste of different sources available/attractive for nature-based climate solutions in cities?

Which policies, support programmes and measures allow urban planning and waste management to work hand in hand to avoiding heat islands, improving urban cooling and environment or using it for urban farming?

Which type of projects would be imaginable in the context of circularity and climate mitigation and how can the development of projects be supported?

### **Non-comprehensive leads for the discussion:**

Degradation of organic waste in landfills turns the waste sector the third largest anthropogenic emitter of methane, a greenhouse gas that is 28-times more potent than CO<sub>2</sub>. On the other hand, quality compost made from separately collected food and garden waste is needed to replenish our degrading soils, in forestation and for nature-based solutions in cities. With rising temperatures, cities will need to look for solutions to avoid heat islands, to build shaded and green zones and even to support food security. Therefore the following topics might be interesting for discussion and be seen as proposal for review and adding.

- Stopping the landfilling of valuable food and garden waste generated in cities by street-markets, supermarkets, malls, restaurants, canteens and in households or by garden, road system or landscape maintenance of public institutions and private sector
- Starting to compost and utilization of compost to improve the urban environment and to make your city more resilient to climate change
- Using compost for trees, parks, urban landscaping to cool urban spaces and reduce the need for air conditioning
- Using compost for urban gardening supporting food security in cities
- Reducing food waste in street- and super-markets by installing / improving the cooling chain/system.