

German RETech Partnership & Options for Biological Waste Separations and Treatment

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Sebastian Frisch, German RETech Partnership Association

Overview

- German RETech Partnership Association
- Options for Biological Waste Separation and Treatment in Iran

German RETech Partnership

- Over the past 30 years Germany's circular economy and waste management sector has developed along very innovative lines in terms of technology and organisation.
- German legislation was instrumental in accelerating this process.

German RETech Partnership

- The Circular Economy Act, product regulations such as those governing packaging, end-of-life vehicles, batteries and WEEE as well as the ban of landfilling untreated waste in 2005 have brought efficient and extremely reliable recycling waste management technologies.

German RETech Partnership

- Notable examples are separate collection and sorting of waste, thermal treatment, energy recovery, mechanical-biological treatment, hazardous waste treatment et al.

German RETech Partnership

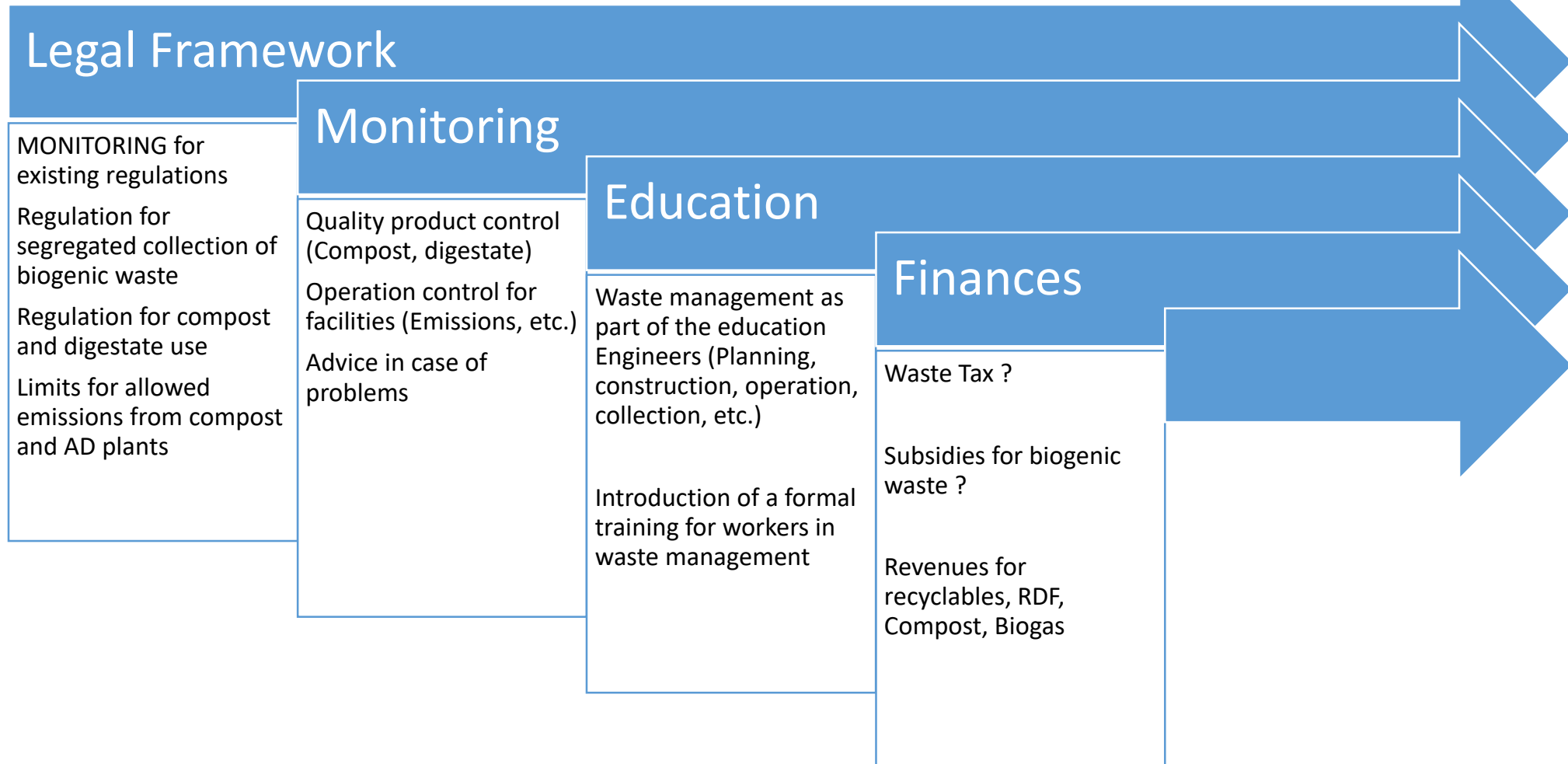
- To strengthen the export of innovative technologies and the transfer of know-how a number of German recycling and waste management companies founded the „German RETech Partnership“ association in 2011.
- RETech's work is accompanied by an advisory board made up of representatives from various federal German ministries such as BMUB, BMWI, BMZ as well as KfW bank and other organizations.

Options for biological waste separations

- RETech and its project partners have intensively studied the „Recovery of biogenic fractions of municipal waste in the PR of China“.
- Municipal solid waste in PR China has a high amount of organic waste (similar to Iran)

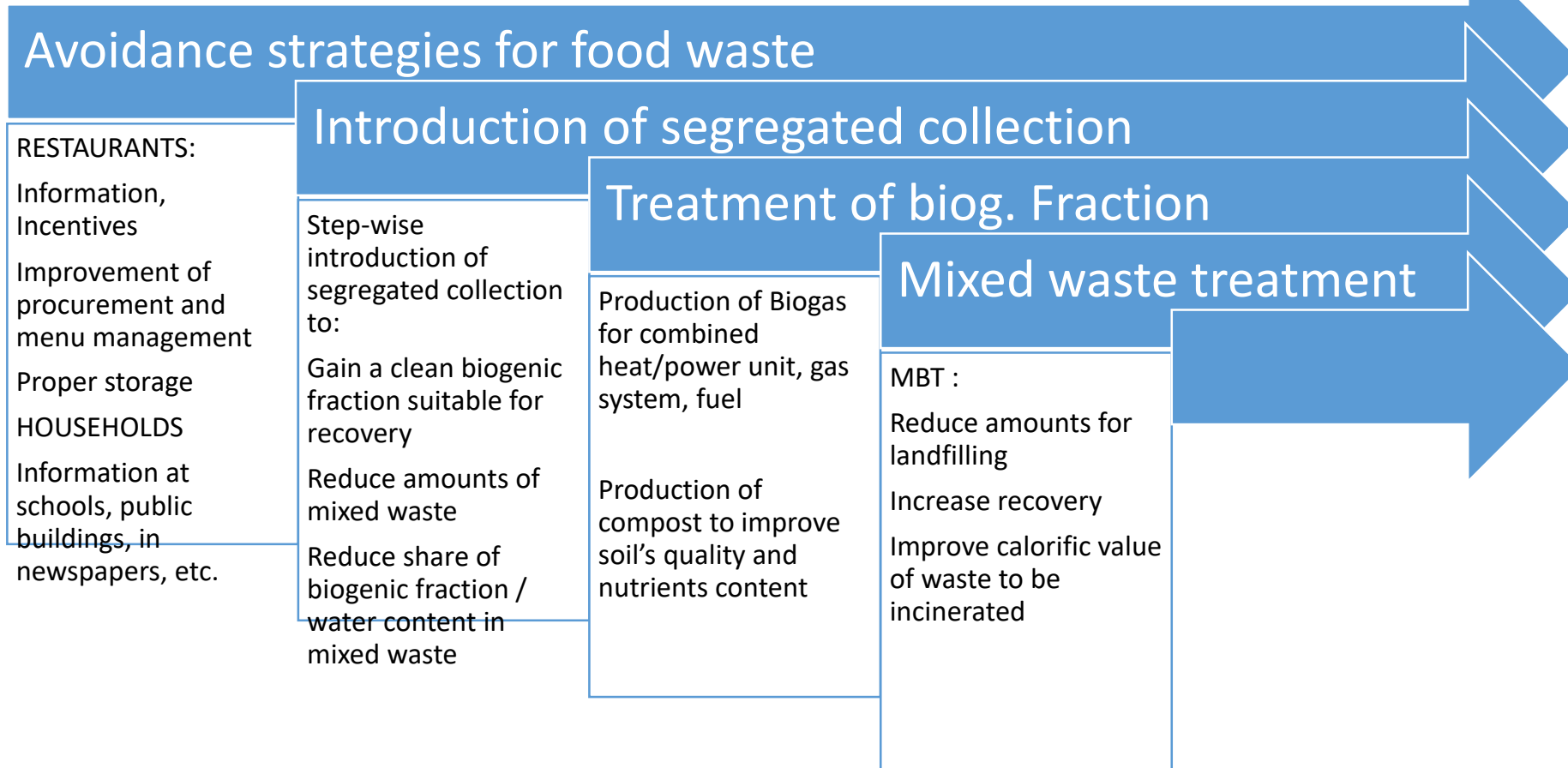


General Aspects of the Strategy for China

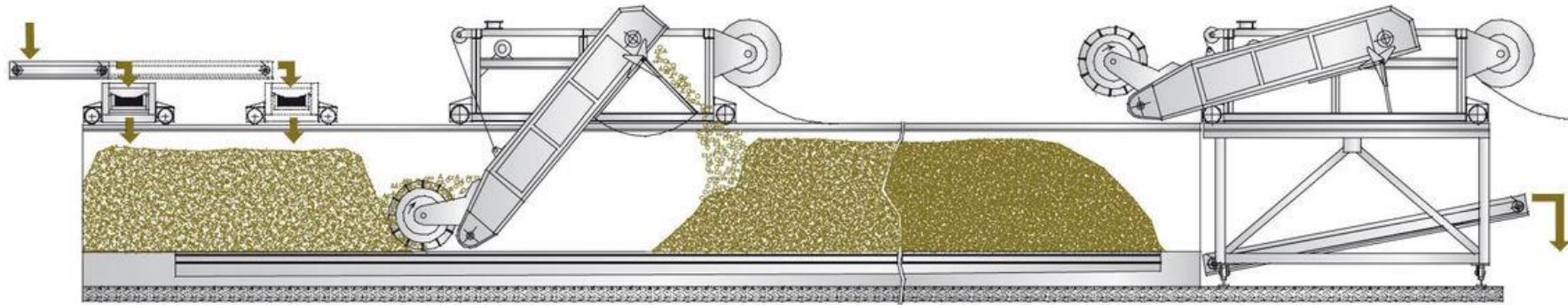




Technical Strategy for China



Composting technologies - Examples



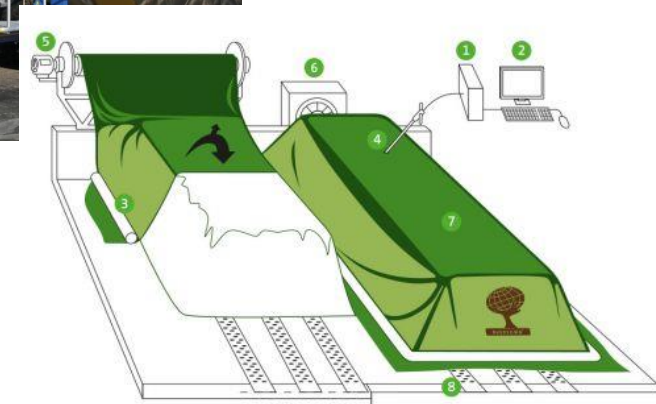
Source: Sutco, Biofix



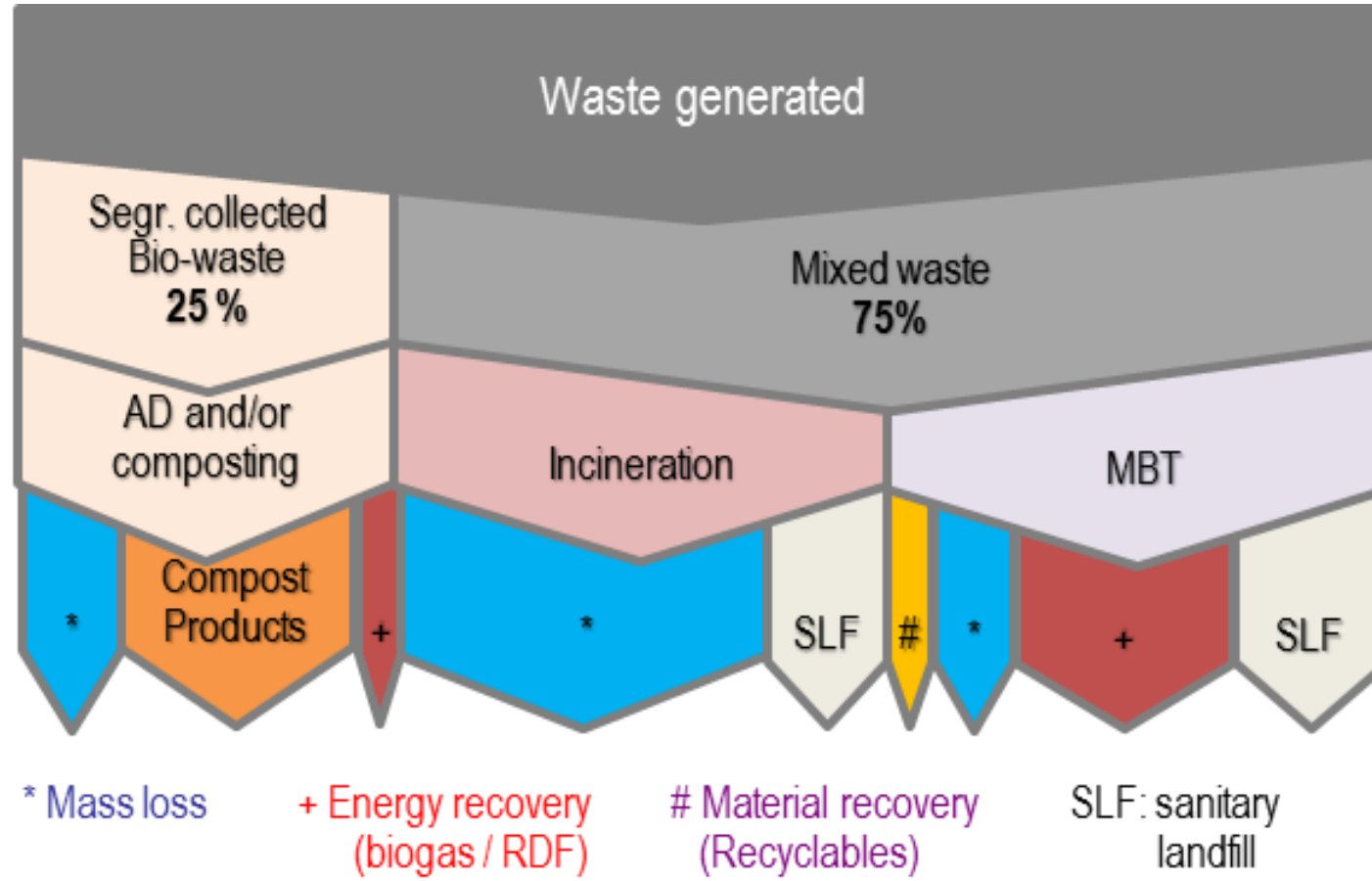
Source: BACKHUS



Source: Biodegma



Treatment concepts for China



Options for biological waste separations

- Iran has good conditions to implement a sustainable waste management as currently realized in China
- Suitable concepts and requirements for implementation are the basis
- Composting of green waste is possible and marketing opportunities are available
- Iran has potential for mechanical-biological treatment as a decentralized solutions as a supplement for waste incineration plants
- Close cooperation between the Iranians and German actors can help to achieve a sustainable waste management



German RETech Partnership
Recycling & Waste Management
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Thank you for your kind attention!

**German Recycling Technologies and
Waste Management Partnership e.V.
Kalckreuthstraße 4
D - 10777 Berlin**

Web: www.retech-germany.net