Assessment and selection of waste management technologies

SP Technical Research Institute of Sweden

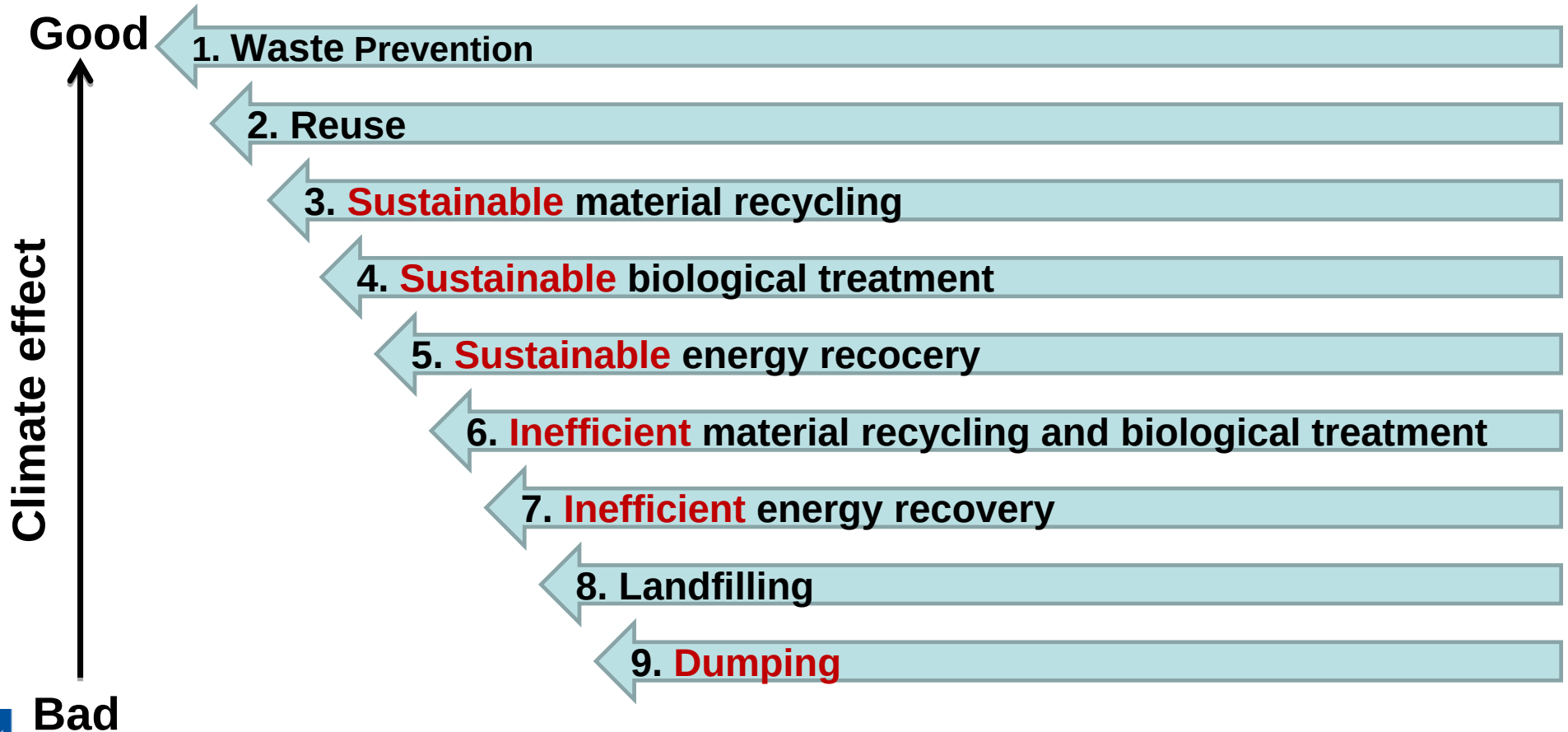
A sustainable waste management - the key to a sustainable future!

- >70% increase of waste
- Limited resources
- 200 000 people per day!

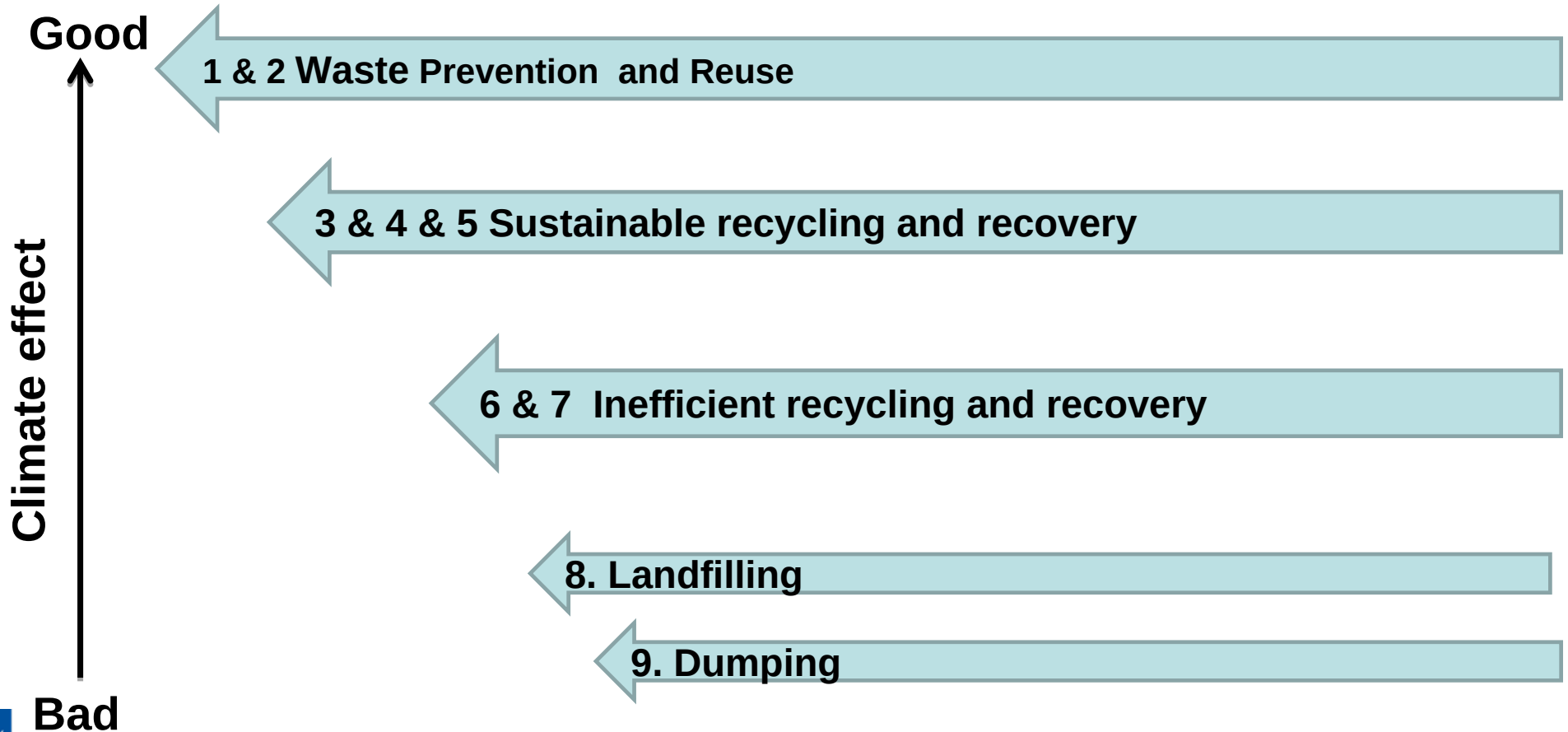
=> Sustainable waste management!

Waste Hierarchy – five steps for strategic development

Waste Hierarchy – things are not always that simple



Waste Hierarchy – five step for a sustainable development



Recycling and treatment

The treatment method depends on the character of the waste

Materials

New products

Organic waste

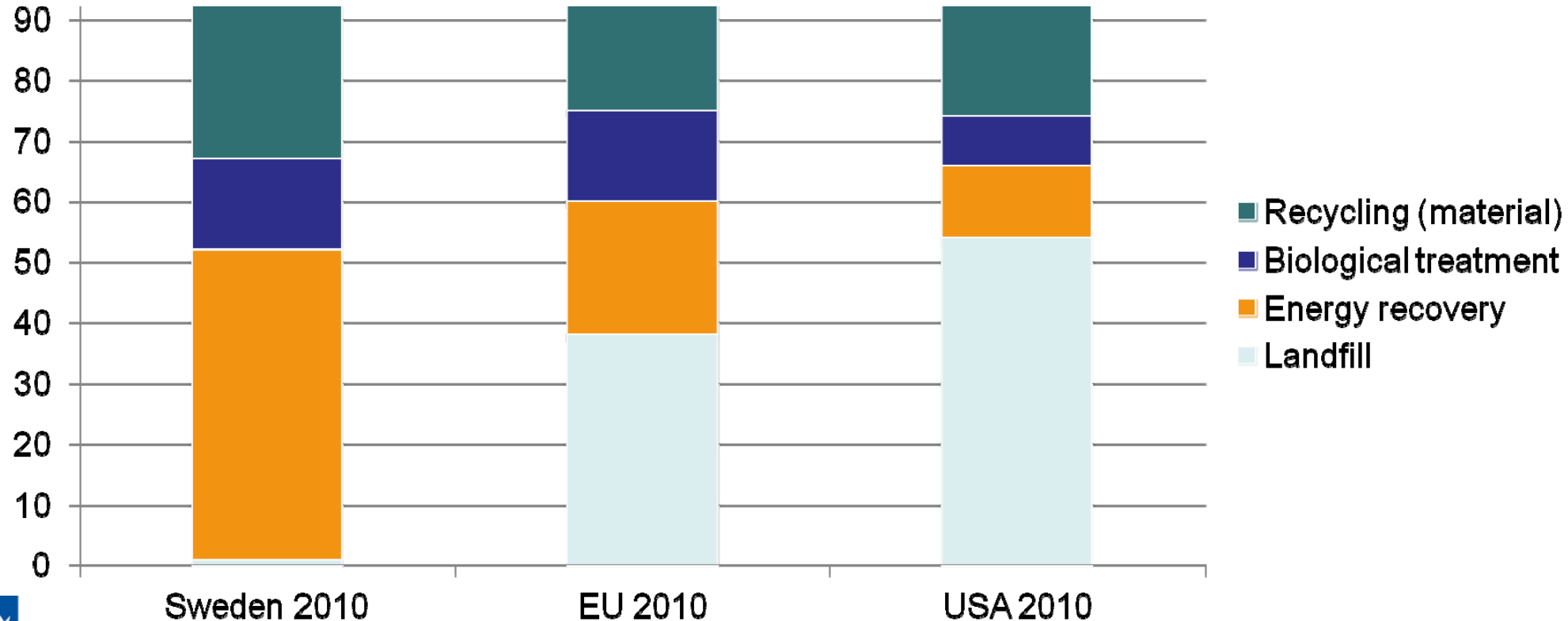
Biogas **Biofertilizer**

Combustible waste

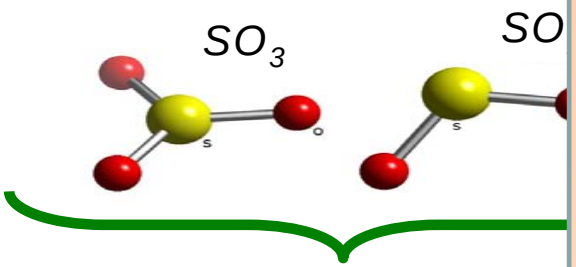
District heating **Electricity**

Sweden – No 1 in the world in waste management

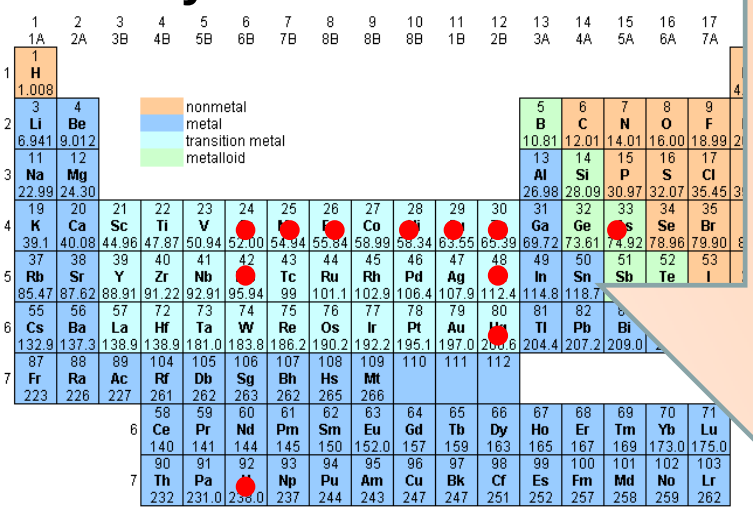
However, we have the toughest development in front of us

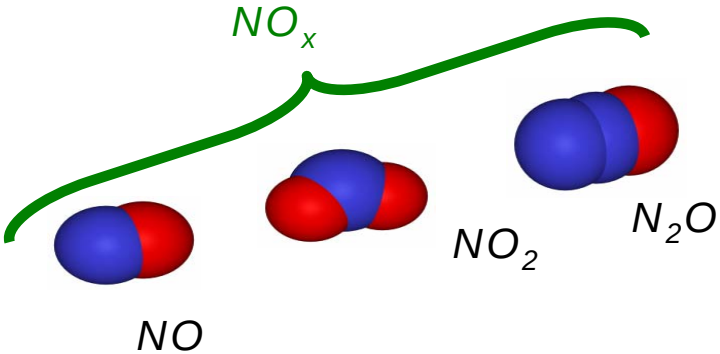


Low emissions

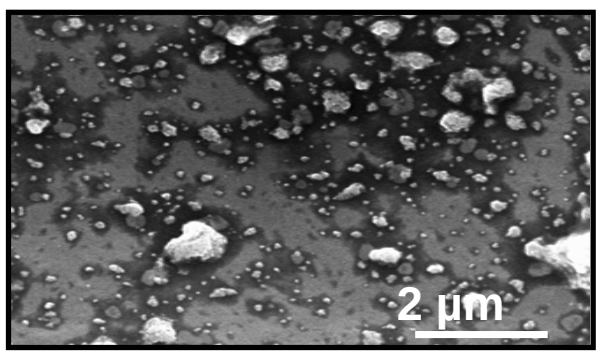


Heavy metals

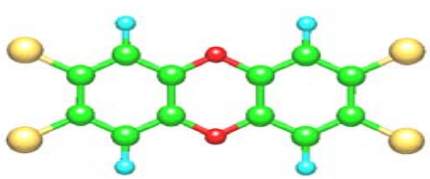




Particles



Dioxins



(2,3,7,8-TCDD)

m landfills to modern recycling facilities

(Illustrator: Per Josefsson)

Thank you!

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