



STOCKHOLM
VATTEN
OCH AVFALL

Stockholm Biochar Project

Björn Embrén
Stockholm City

Mattias Gustafsson
Project manager of
Stockholm Biochar Project
vice CEO of EcoTopic



Stockholms
stad



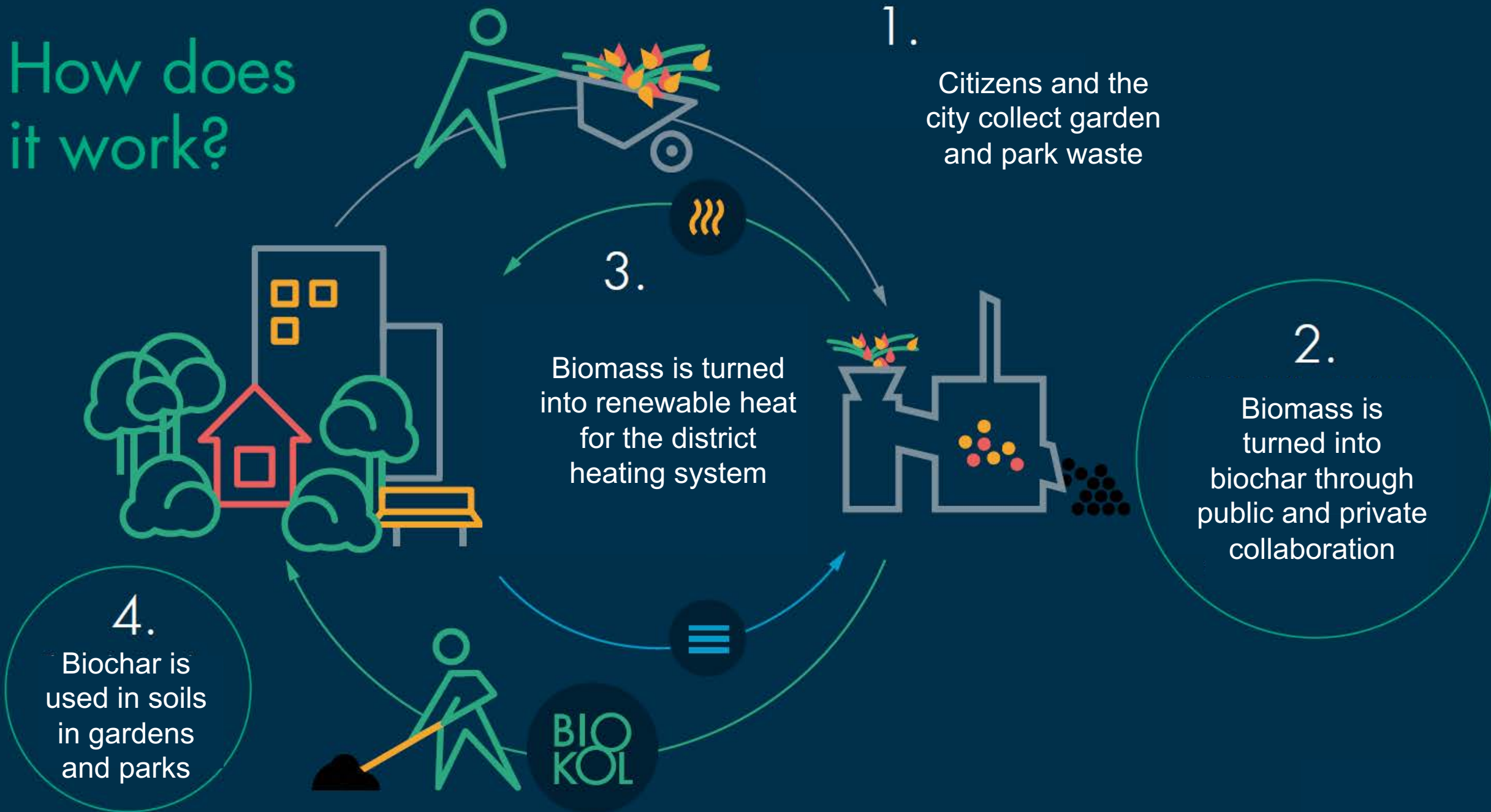
Bloomberg
Philanthropies



Winning Mayors Challenge

- Innovation competition for cities
- Bloomberg Philanthropies founder and financier
- 155 participating cities in Europe in 2014, 5 winners
- Project support and collaboration between the winning cities for 3 years

How does it work?





Pilot plant

Renewable heat to 80
apartments

Biochar corresponding to
CO₂-emissions from 700
cars

Full scale

Renewable heat to 400
apartments

Biochar corresponding to
CO₂-emissions from
3500 cars



Stockholms
stad

Making biochar known

- ~800 study visitors
- ~300 000 Stockholmers receiving direct information of the project
- 317 new urban plant beds in Stockholm with biochar in 2017
- 1500 Stockholms have collected biochar
- Award for best recycling facility in Sweden in 2018



Can you make a profit on biochar?

Turning waste into resource

Biochar plant

Substituting finite resources with own biochar

Connections

Ground work

Selling heat





Learnings

- Choose site based on costs
- There are only a few biochar plant suppliers
- Pre-treatment of garden waste is necessary
- A strength with different competences from the different organisations
- Need of education and information (authorities, municipal companies, technicians, politicians, potential biochar users)



Thank you for your attention

MATTIAS GUSTAFSSON

mattias@ecotopic.se

BJÖRN EMBRÉN

bjorn.embren@stockholm.se

