

Re-design of BIOPLASTIC COMPOSTING PROCESS



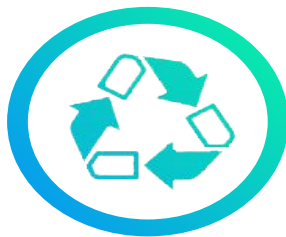
Challenge
Based
Innovation



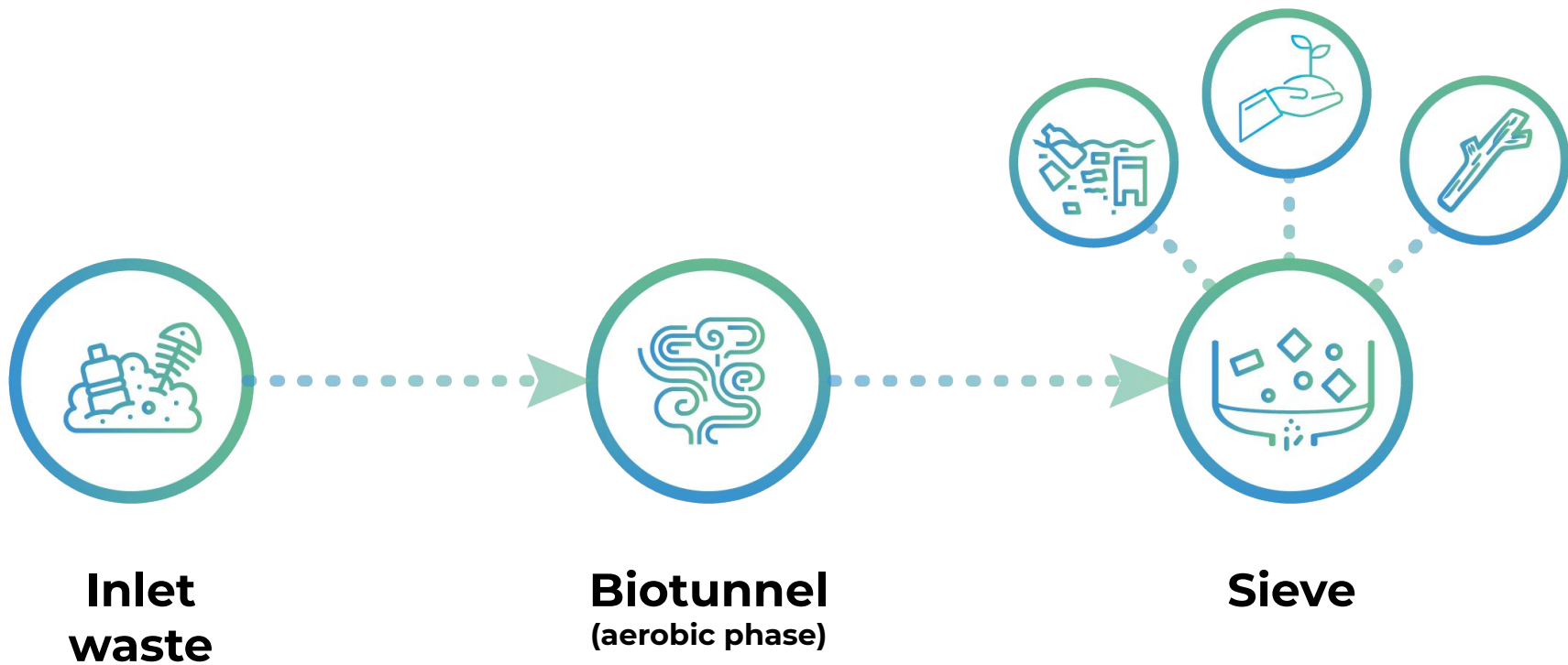
Meet Our Team



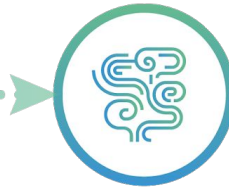
AIMAG



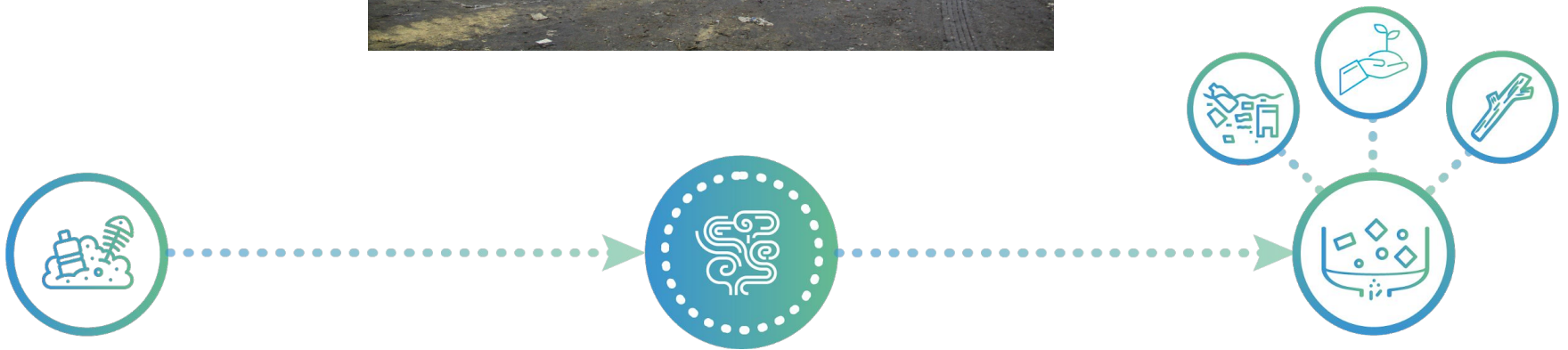
AIMAG pursues and guarantees services based on quality, efficiency, convenience and safety, paying great attention to respecting the environment, the needs of customers and the community.



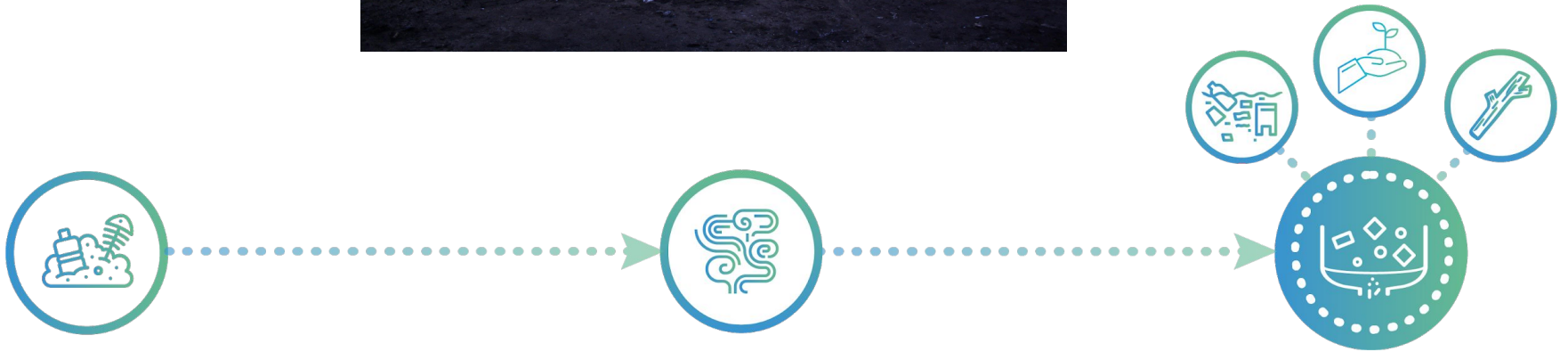
Inlet waste



Biotunnel



Sieve





COMPOST

OVERFLOW



WOOD



Overflow composition

Inert

What can not
bio-degraded

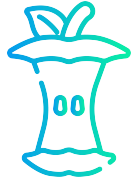
What can not
become compost



Organic

Organic not yet
composted

Bioplastics





The Challenge

Bioplastic recovery process innovation

“How might we manage bioplastic in a composting plant, **in order to avoid bioplastic to go to landfill, also optimizing the process?**”

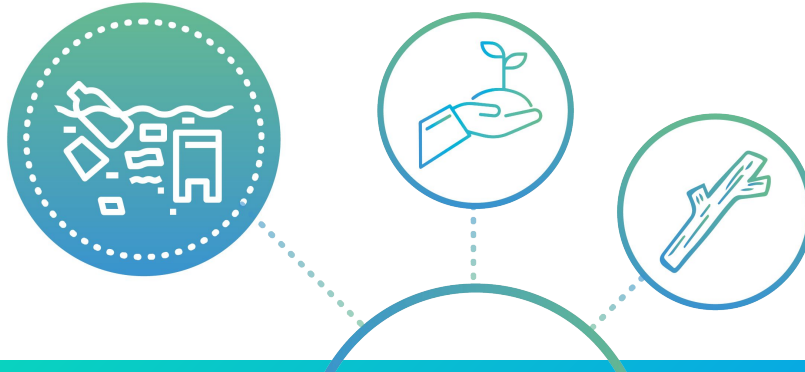
Divide bioplastic from the other waste



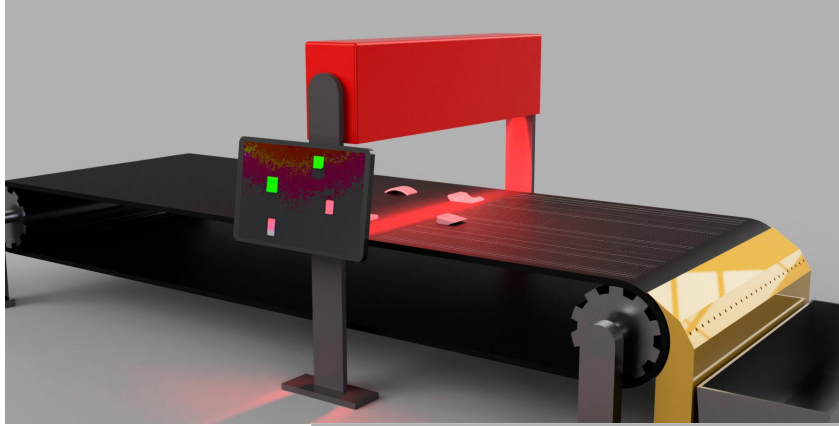
Where do separate?

We want to recover organic fraction that didn't compost in one turn.

- Smaller volume
- Drier
- Percentage of organic waste that did not degrade



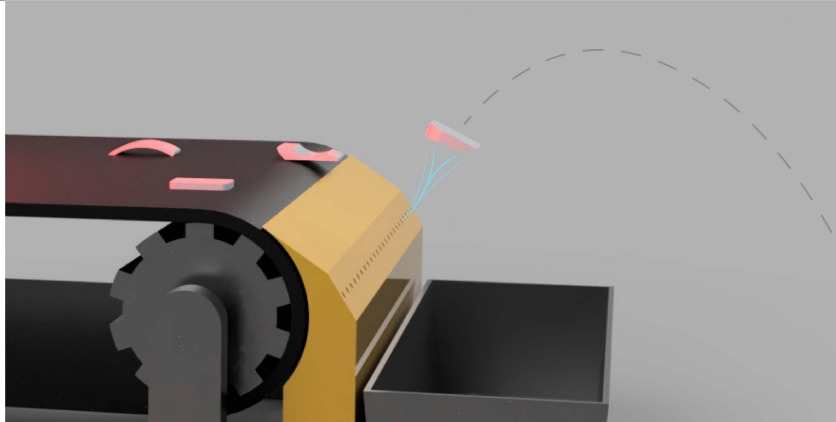
The machine



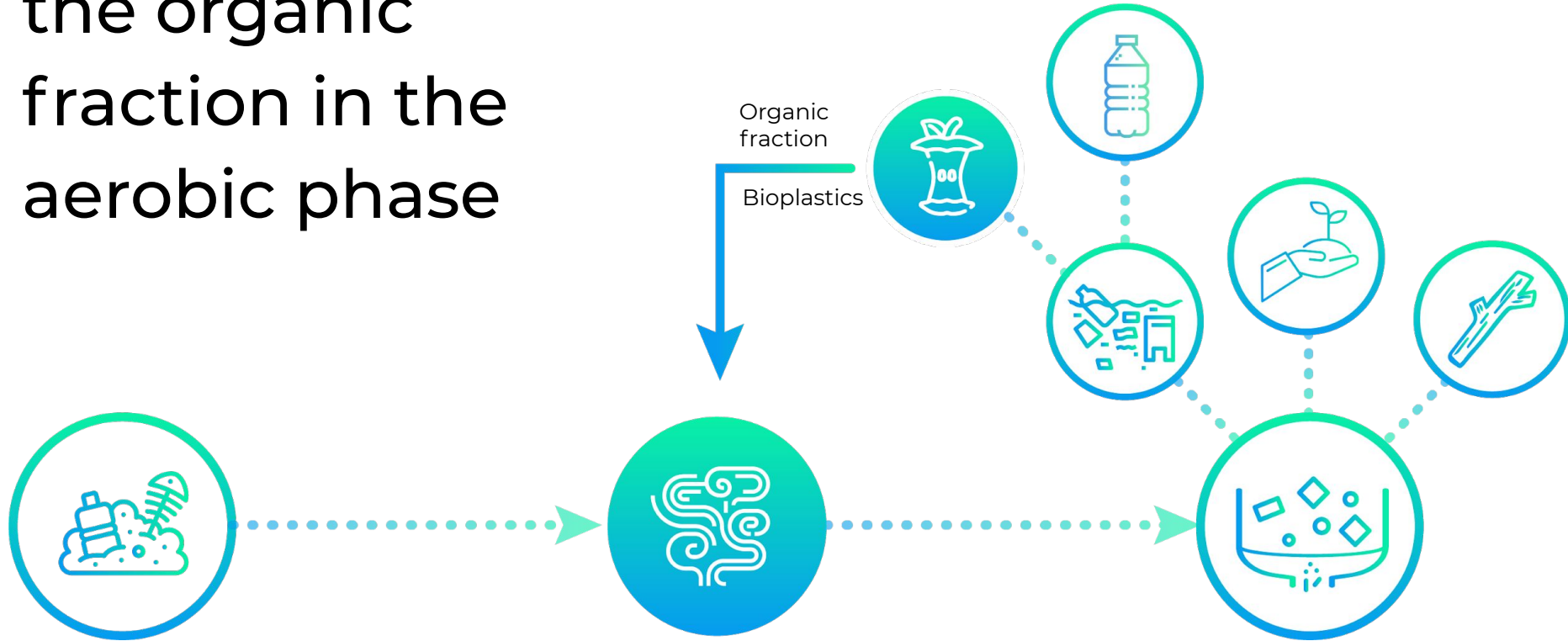
 TOMRA

 PELLENC ST

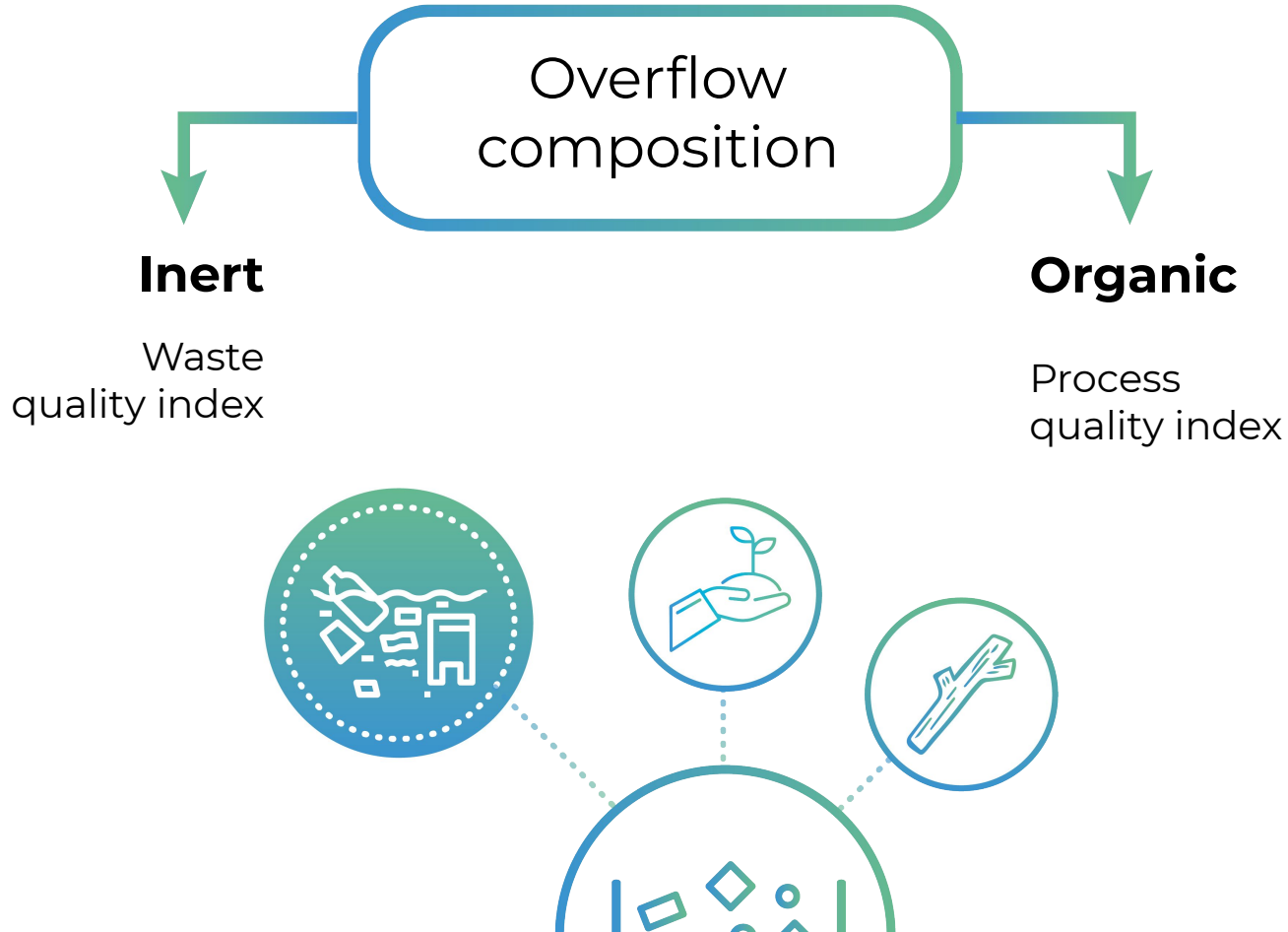
Detection of organic
fraction by Xray or NIR
scan and separation
through air flow

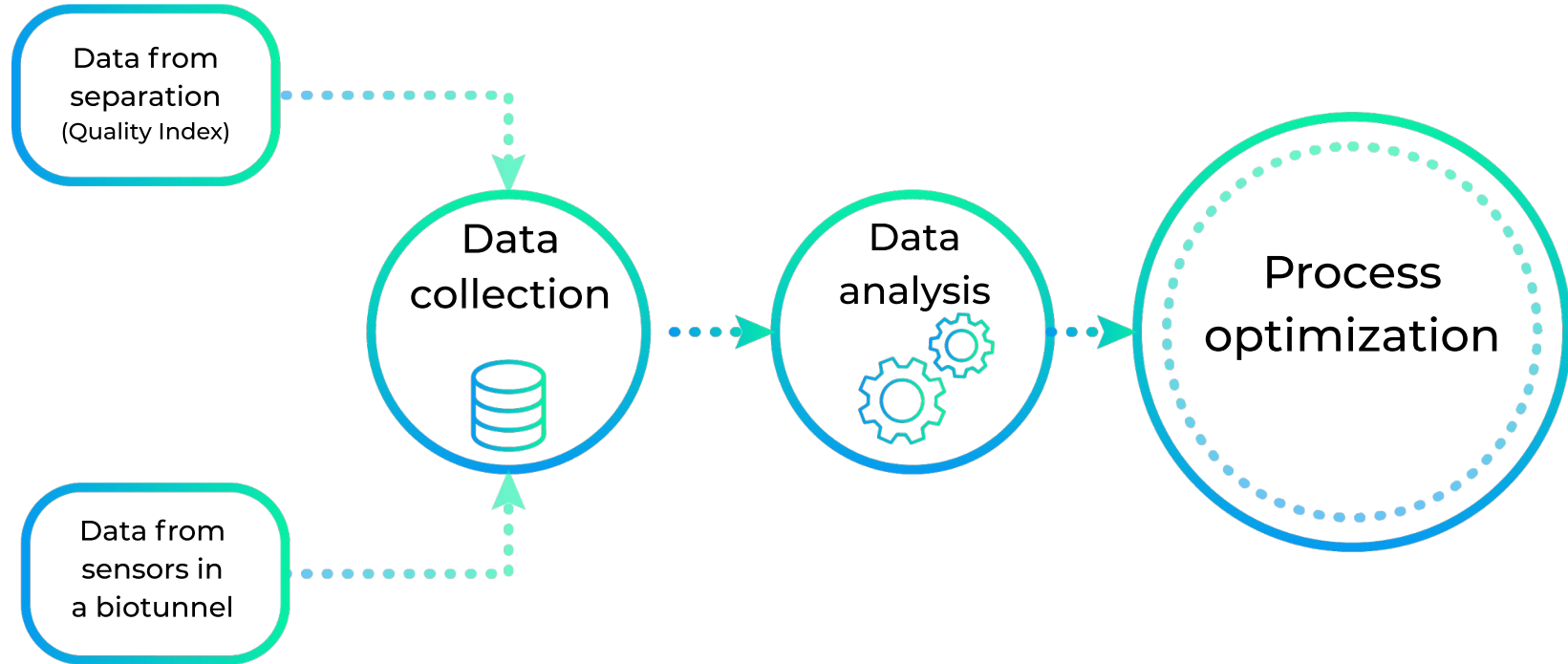


Re-introduce
the organic
fraction in the
aerobic phase



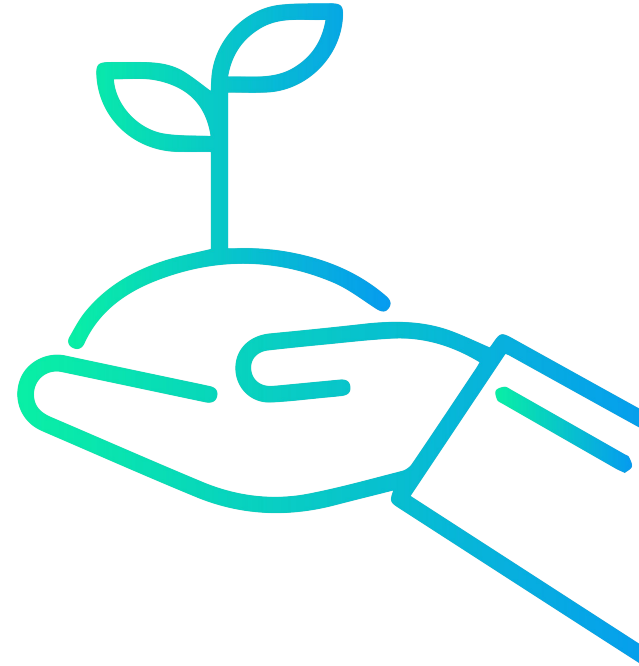
New data







To compost almost all the organic fraction, in order to reduce the quantity of biodegradable waste that currently ends in the overflow



Sustainable Development Goals



11.6 - By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.



12.6 - Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle

Thanks for your attention

