



Consumption and sustainable use of resources

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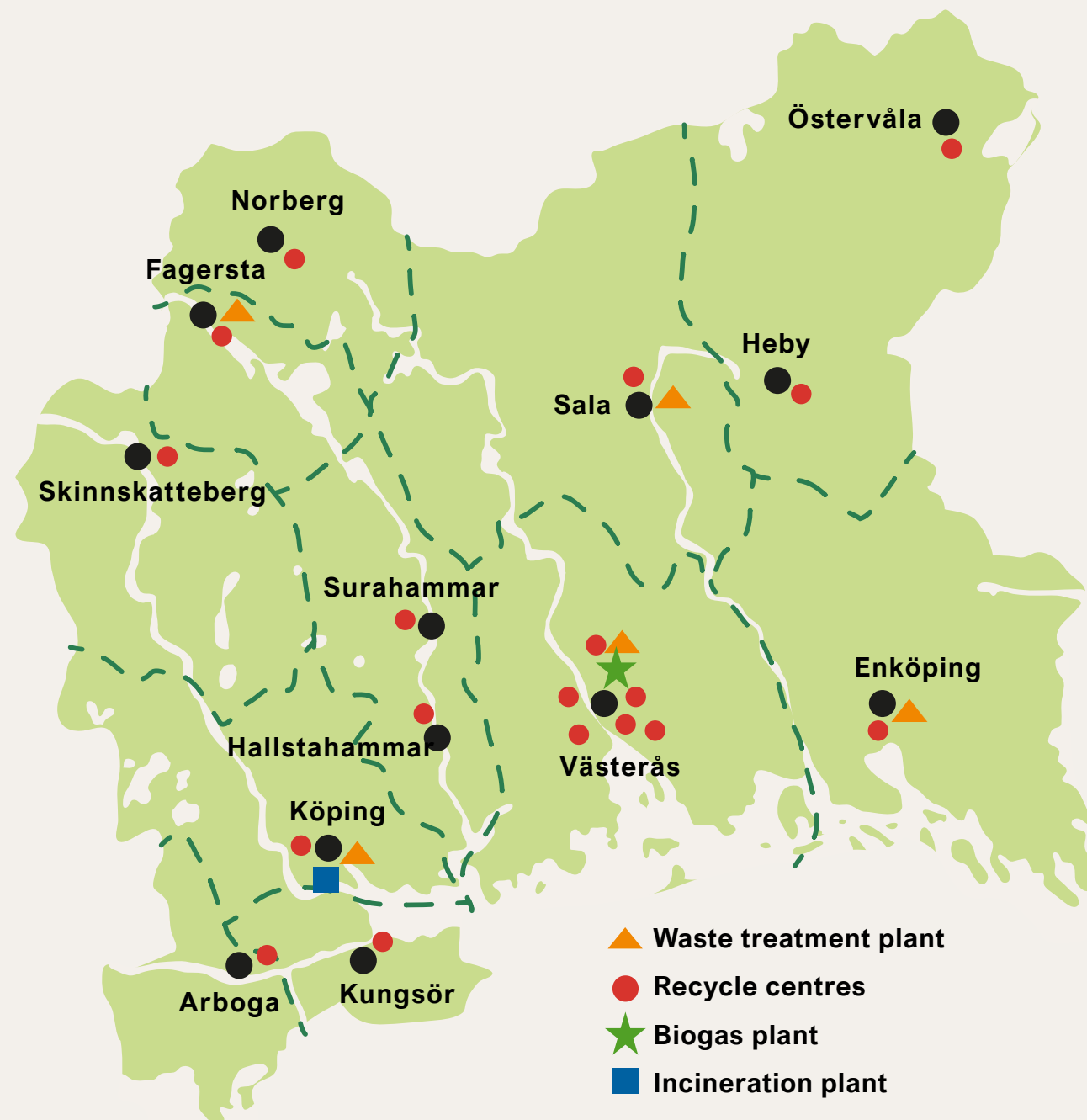


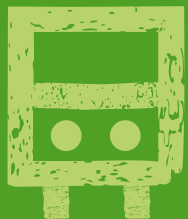
WHO ARE VAFABMILJÖ AND WHAT DO WE DO?



Sweden's largest local government association

- 12 municipalities
- 18 recycling centres
- 5 waste treatment plants
- 1 biogas plant
- 1 Incineration plant





340 000
citizens



10 000
companies





SOFFOR
& SÄNGAR

VafabMiljö

VafabMiljö

VOLVO

20

20

20

VafabMiljö
Återbruket

WELL



Recycling centers



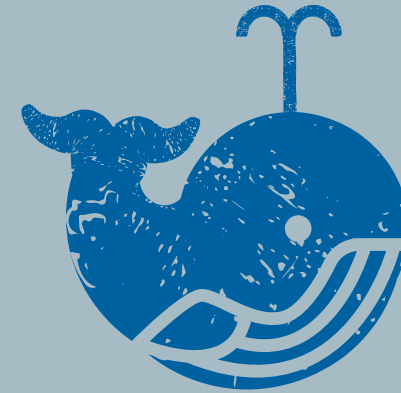
Each year we collect around 85 000 ton waste. It equals 8,5 Eiffeltowers.

Generated



Each person generates around 500 kg household waste per year. Like a large horse.

Collection



Each year we collect more than 250 blue whales with mixed residue – ca 50 000 ton

How does the collected waste
look if it is not in numbers?









The waste is increasing!

- In Sweden is ca 500 kg waste generated person/year
- Our living standard requires ca 4 earths!

- "Overshoot day" –

The day we consumed earths yearly production of renewable recourses

Which day was it in Sweden year 2022 and 2023?

3rd April!

The result? Nine months of over consumption...









The Waste Hierarchy

- Guide us how we best manage our resources
- EU-directive and implemented in Swedish environmental legislation
- The higher up in the hierarchy, the better for the environment!











Energy recovery

- Waste that can't be material recycled can become an energy resource as energy and heat
- Replaces fossil fuels
- Emits CO₂, especially from plastic and chemicals – important to sort out!





Two new wastes

- From 1 ton waste, ca 30% ashes remains
- *Incinerated bottom ash* – metal and mineral remains
- *Fly ashes* is collected in the chimney's filters and is hazardous
- Today exported to Langöya in Norway



From...

To...

Linjär ekonomi



Cirkulär ekonomi

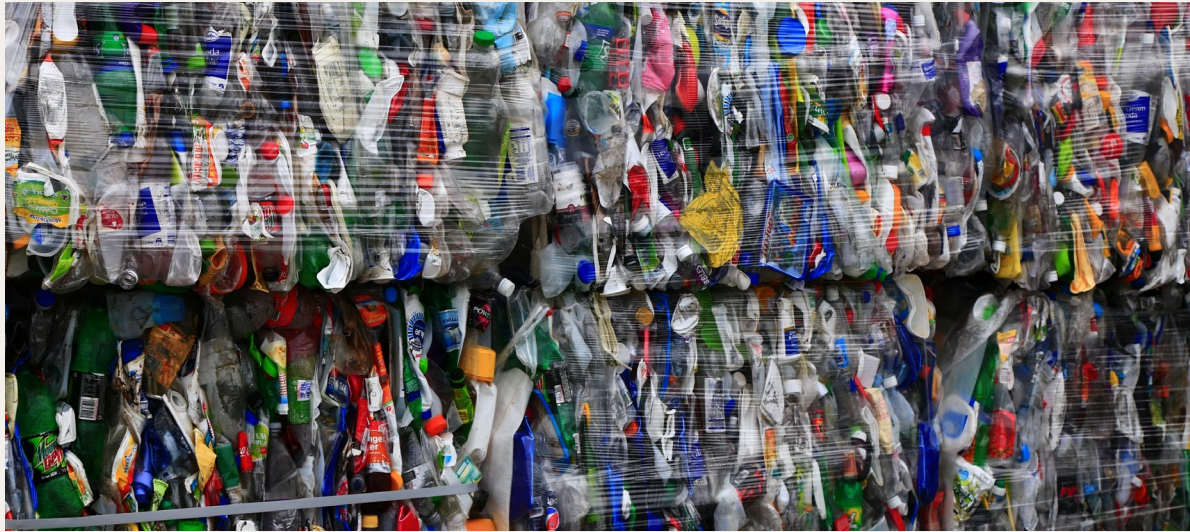




Paper



Metal



Plastic



Glass



Wood



Minerals and metal



Oil



Sand



Recycle food waste?





25 000 ton
Bio waste



10 000 ton
Biosolids



5 000 ton
Packaged food



7,4 miljoner
litre petrol

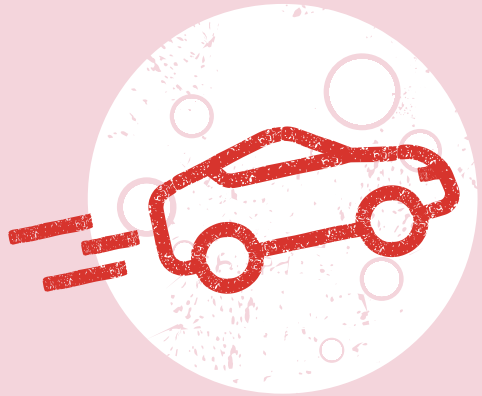


80 ton
Biofertilizer





Our production from collected biological resources



Astronomic production!

The 2 000 000 Nm³ biofuel we produce yearly would be enough to take the biofuel powered car to and come to the moon 50 times!



The 31 000 ton liquid biofertilizer that we produce during a year weigh about as much as 7,5 normal sized cruise ships





Why should we reuse?

- Products can live longer
- Saves natural resources
- Reduces waste
- Economic – saves money





Mobile phone

Use the phone for as long as possible!

By using a phone 4 years instead of 2 years, will reduce the waste by 20 kg / year

When producing a mobile phone, ca 86 kg "invisible waste" is generated.

The products are often not produced in Europe – we use resources in other countries in other parts of the world...





Mobil – från naturresurs till produkt



How to reuse?

- Buy second hand
- Borrow or trade products
- Repair and take care of the products
- Give away
- Be creative – can a product be used in a new way? (e.g. DIY)
- Think again – do I need this product?





Reuse to prevent that new waste is generated



There is a lot we all can do to reduce and prevent waste - and reach higher up in the waste hierarchy!





Remember:
*Together, we save the world
a litte bit everyday!*

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