



RE-6-REG/ST/P2P

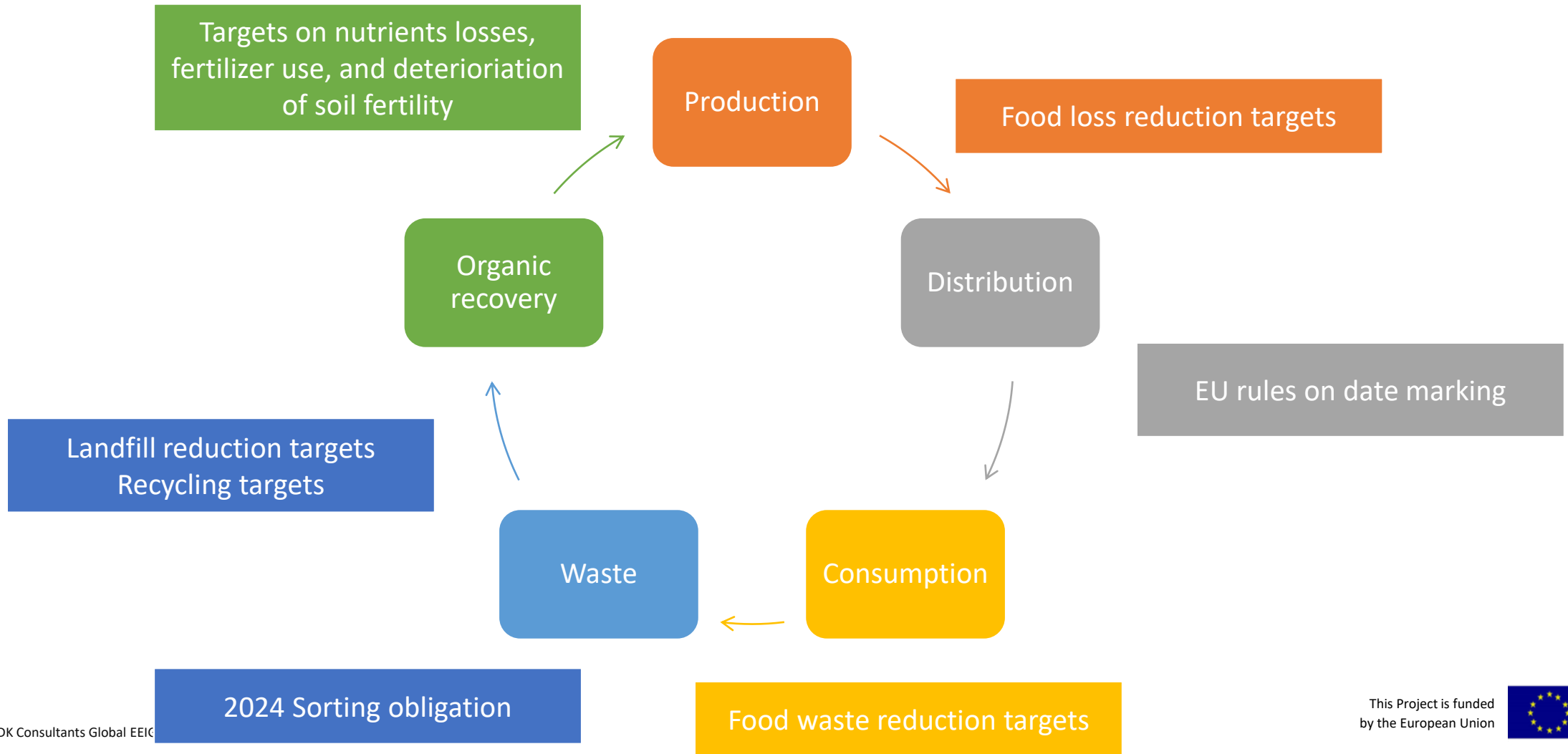
Insights on organic waste
practices

02/10/2023 – Online meeting

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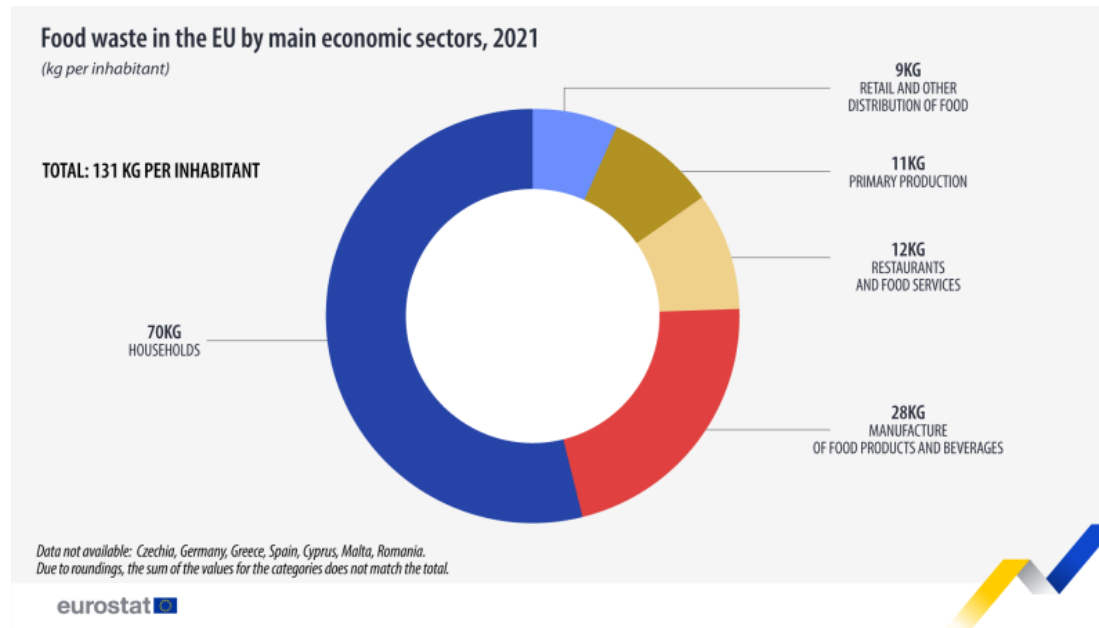
The big picture



Food waste in Europe



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- 131 kg/cap/yr of food waste in Europe
- Households: more than 50%
- A significant share is likely to be avoidable
- Regulation: sorting obligation, upcoming prevention targets, landfilling...



Management of organic waste in Europe



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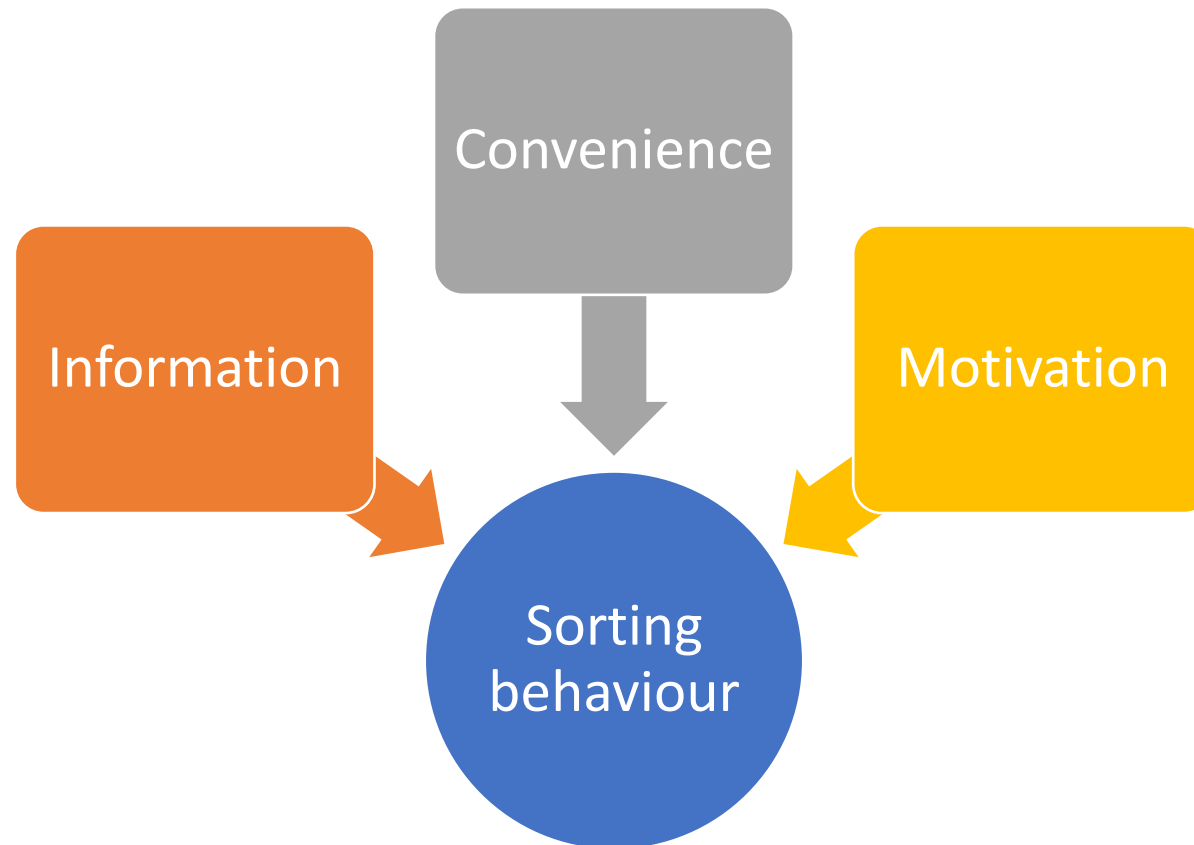
- Organic waste consists in food waste and garden waste
- Distribution between FW and GW depends on the context
- Collected together or separated
- About 1/3 of biowaste separated, but food waste's capture rate is supposed to be lower
- Main valorisation routes:
 - Compost
 - Anaerobic digestion



Best practices ?



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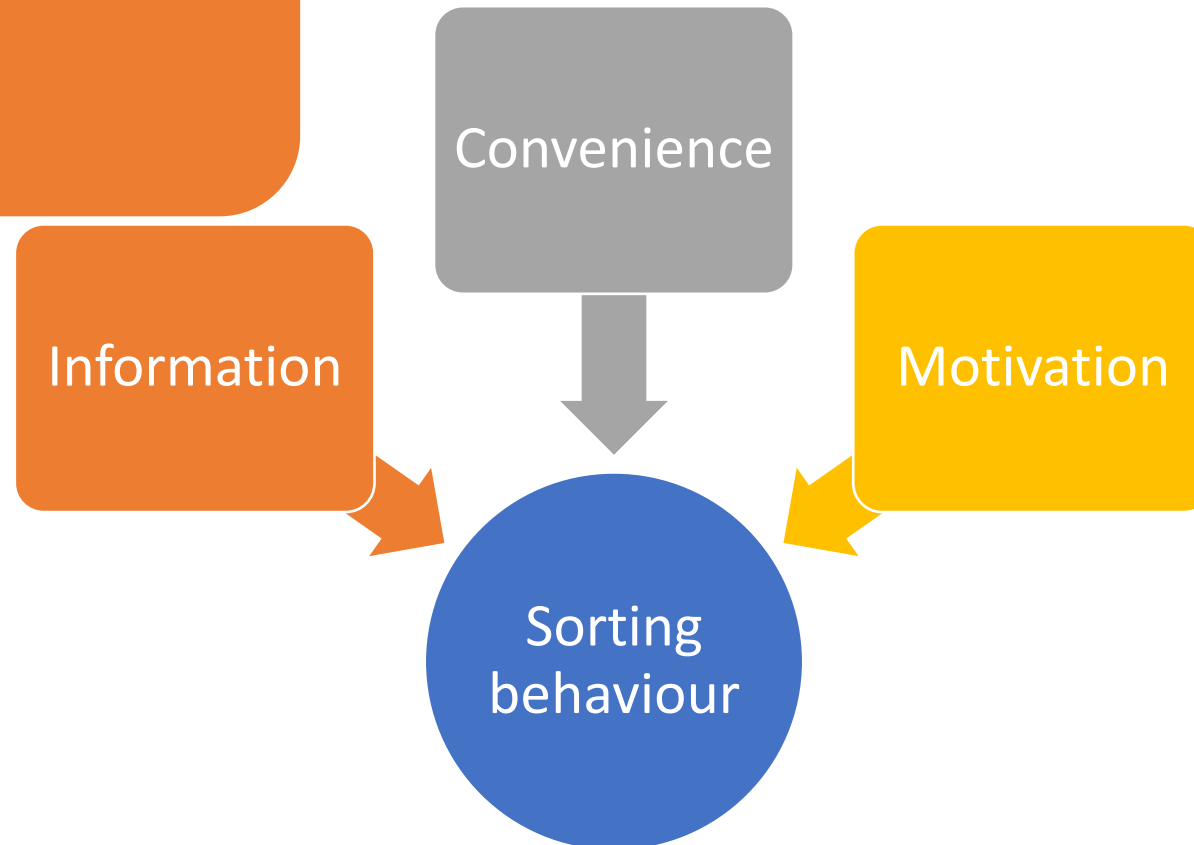




Best practices ?

Information:

- Pro-active
- Frequent
- On how and why
- In link with people's concerns
- Targeting the right people



Best practices ?

Collection mode and equipment adapted to the constraints:

- Space available in housing and on common/public spaces
- Proximity of collection points

Pre-collection equipment to limit nuisances:

- Aerated kitchen bins
- Adapted bags



Adapted systems for assimilated waste (30% of municipal food waste)

- Adapted equipment and frequencies
- Training

Convenience

Information

Motivation

Sorting behaviour

Also consider decentralised approaches

- Home and collective composting
- Network of communities with centralised coordination (support, controls)
- Remote or dense areas

Best results with door-to-door system

- Higher capture rates
- Higher quality
- Separation of food waste and garden waste



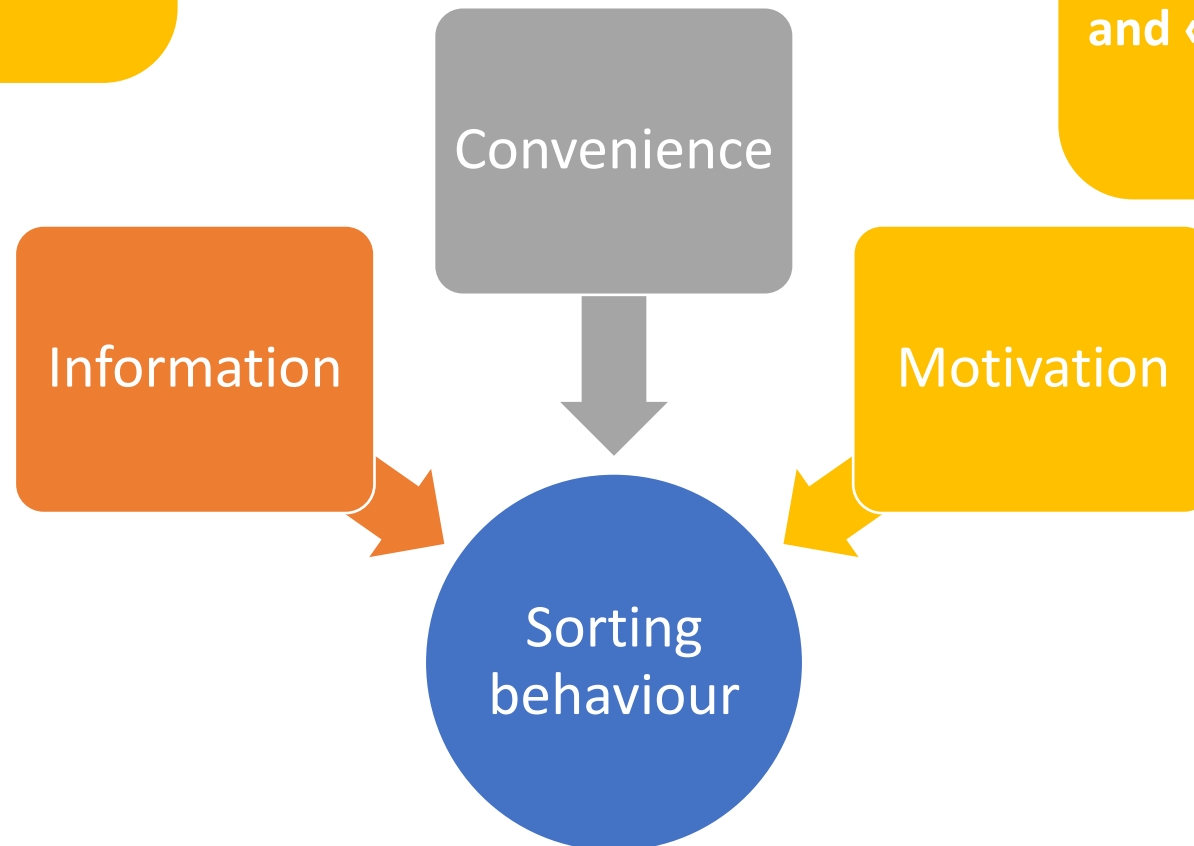


Several solutions:

- Sorting obligation and controls
- Pay as you throw
- Reduced frequencies for residual waste

Implementation requires good information and a convenient collection system

Strong incentives make the difference between « average » and « good » performances

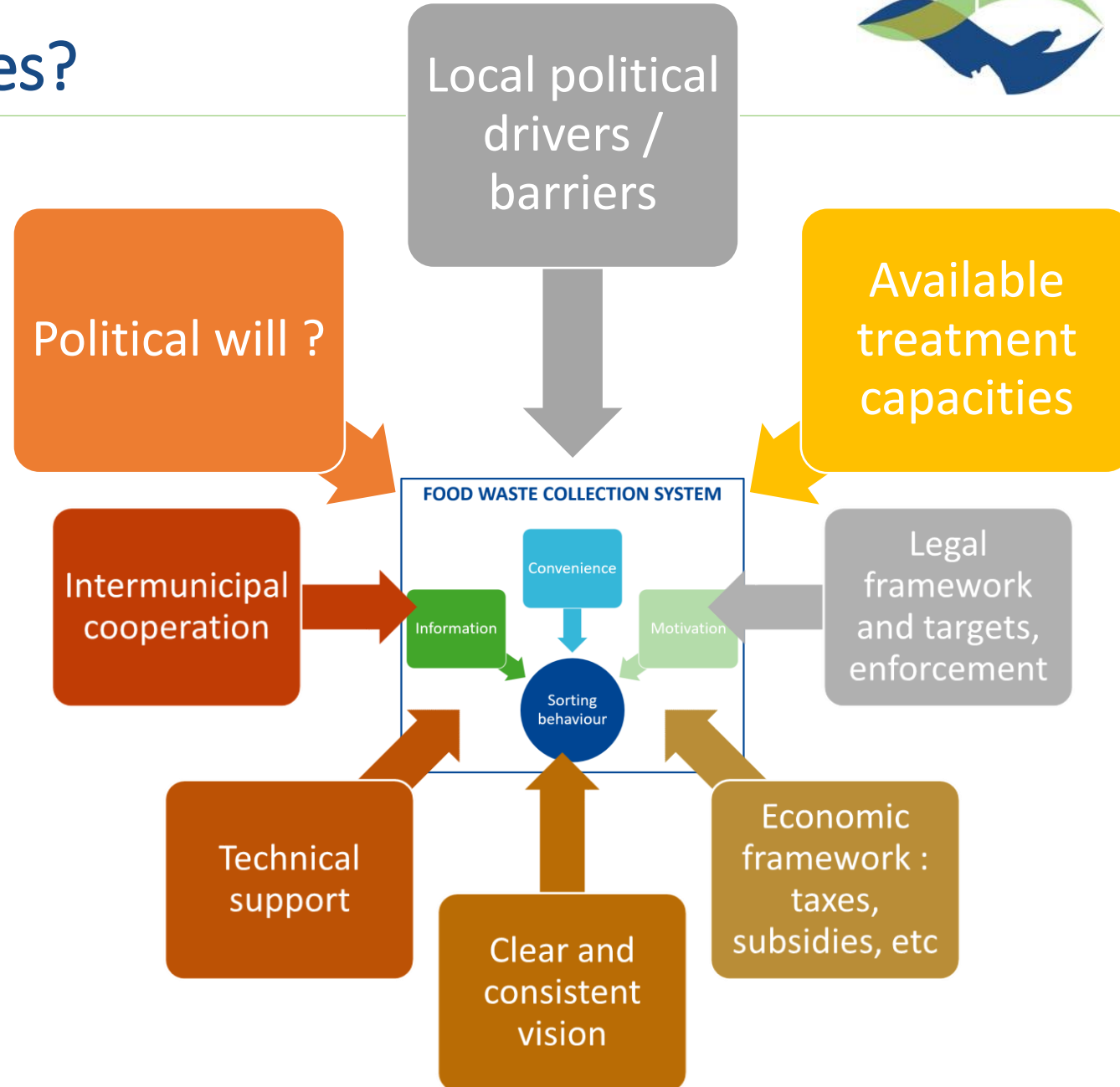


Best practices?



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CONTEXT



FRAMEWORK



Decentralised composting?



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- Home or community composting
- Relevant for remote areas, but suitable for other contexts
- For households, but also in schools or restaurants
- Possibly in direct connection with farmers
- Requires training, « master composters », involvement of users
- Flexible, convenient, social interactions
- Can be promoted via economic incentives, training and awareness raising, providing equipment...
- Few examples of « full scale implementation »



Key drivers and enablers



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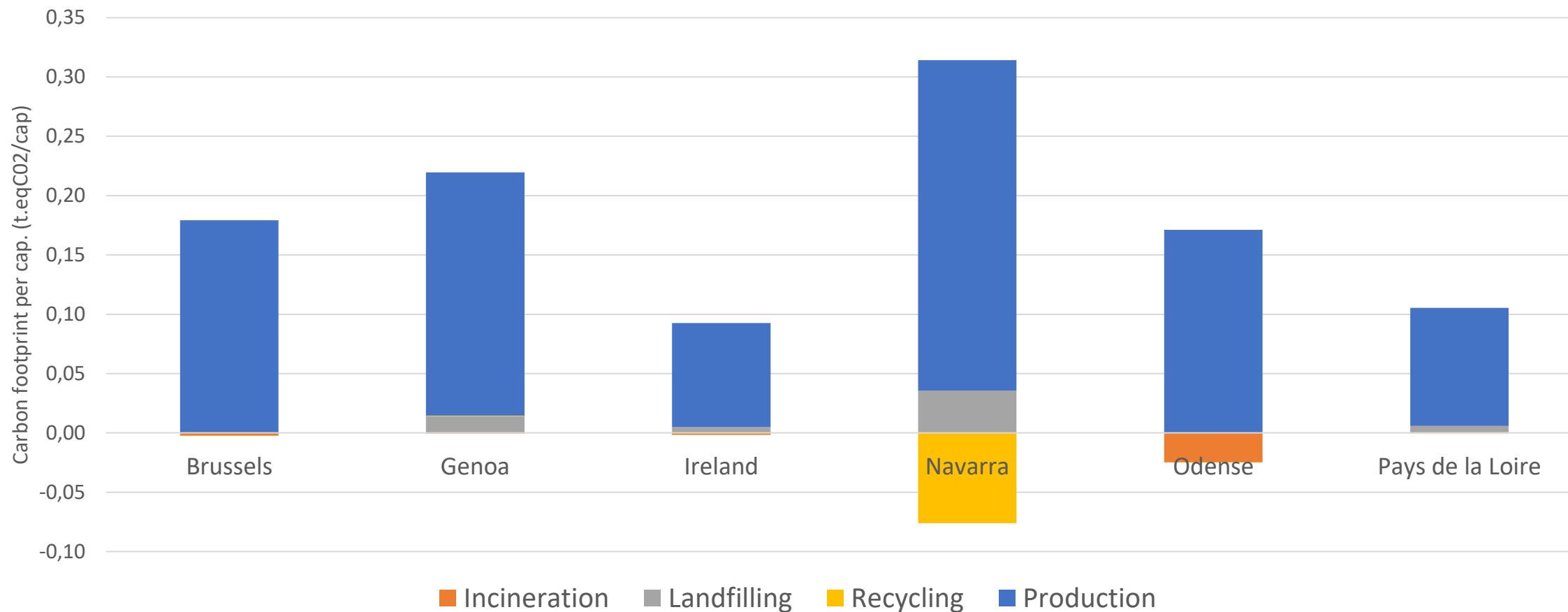
- Main driver: **constraint on residual waste**
 - Lack of treatment capacity
 - Landfill/incineration taxes
 - Local opposition against new incinerator/landfilling plant
- But also **enablers**:
 - Technical support
 - Financial incentives to reward/compensate investments and operational costs.



Some challenges with biowaste management



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Some challenges with biowaste management



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Articulation with end-users

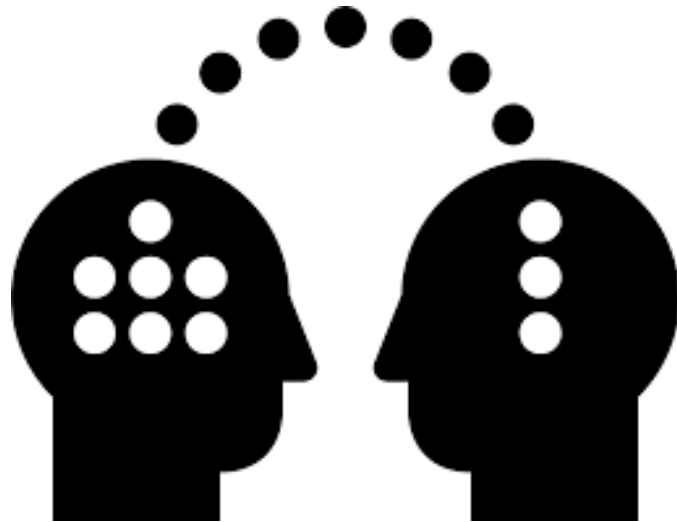
- Importance of quality
- Transparency / certification
- Governance on the use on soil, matching offer and demand



Transferring good practices?



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- **Key principles** are usually transferable
- Importance of the **context**:
 - Nature and quantity of biowaste?
 - Weather conditions?
 - Existing end-users, nature of soil
- Need for the « **right framework** »





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Thank you for your attention

