The role of biowaste in the emerging circular economy

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Commission DG GROWTH's perspective

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The Potential of domestic bio-waste for market of fertilising products

- Substitution of mined or synthetic fertilisers by biomass or bio-wastes based fertilisers:
  - Nitrogen: +3% market share by 2025
  - Phosphorus: +14%
  - Potash: +22%

**P2O5 in 2015**

- Inorganic nutrients: 88%
- Organic nutrients: 12%

**P2O5 consumption in 2025 excluding raw manure**

- Inorganic nutrients: 72%
- Organic nutrients: 28%
Transforming the capacities into values

- More research, technology improvement (EP pilot project proposal)
- Need structural changes, more cross-sectorial relationship, financing infrastructure, new contractual relationship to secure quantity and quality of supply
- Collection of post-consumer bio-wastes shall be optimised to guarantee quality of input materials for composts and digestates
Who and under which conditions?

- Regions: adapting the structural change to the available volume and concentration of bio-wastes
- Acceptance by users – building trust – role of policies (quality and safety standards)
- Secure stable collection of bio-wastes, implement safe transformation technologies and define acceptable conditions of access to the market
Favourable regulatory framework?

- Revised Fertilisers Regulation proposal under discussion: quality, safety and labelling
- Integration of recovery rules into this product-related legislation: conditions of eligibility for waste-derived ingredients for CE-marked fertilisers
- Certification of products by independent bodies
- Create a level playing field for mined/synthetic and bio-wastes derived fertilisers
Thank you for your attention!

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