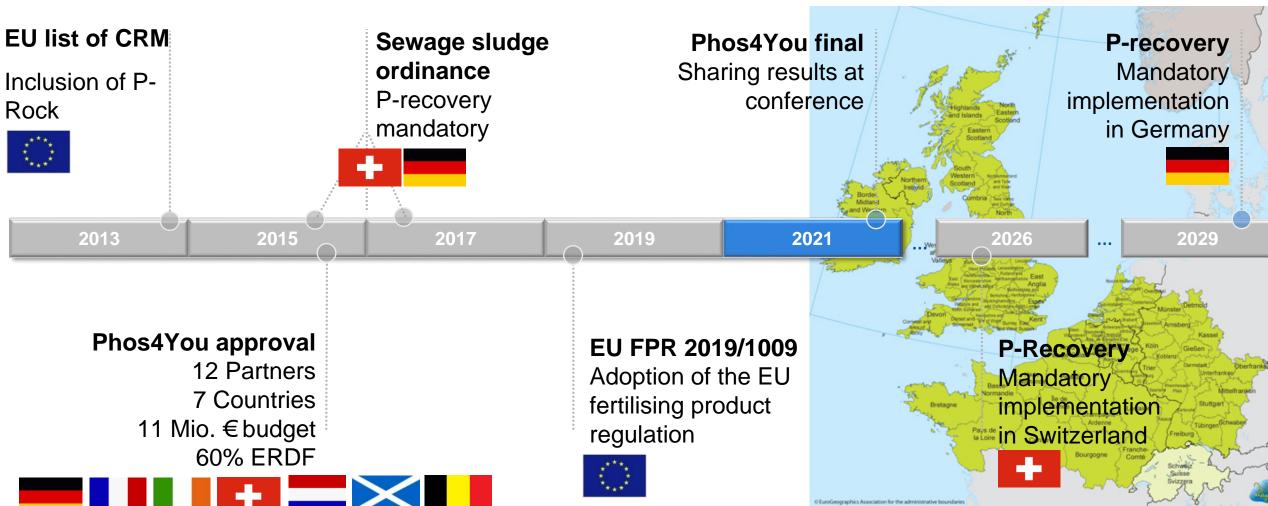


Phos4You context









What have we learnt?







Content



Studied technologies to recover phosphorus

Pathways for the recovered phosphate materials

Regional/local scenarii for P-recycling deployment





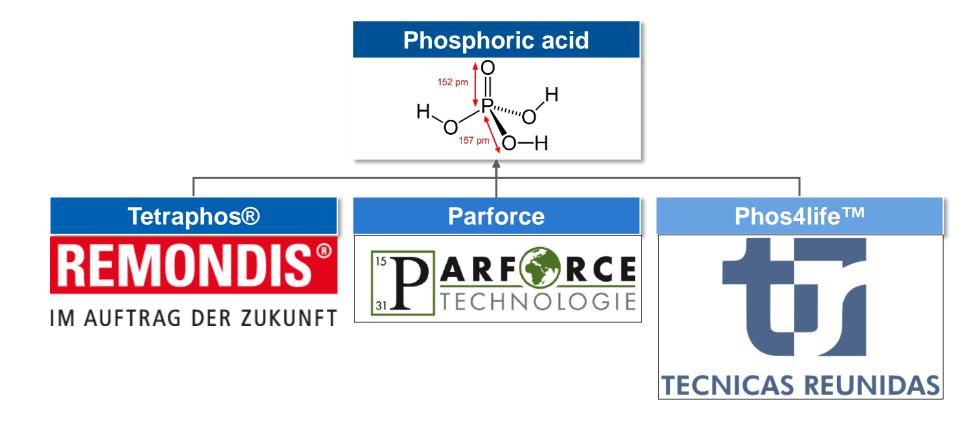
Main lessons and introduction to results

STUDIED TECHNOLOGIES TO RECOVER PHOSPHORUS WORKED



Tests with sewage sludge ashes in existing demonstrators

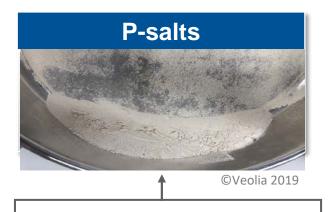






Tests with sewage sludge in demonstrators run by the Phos4You-Partner







©Veolia 2019







EuPhoRe®

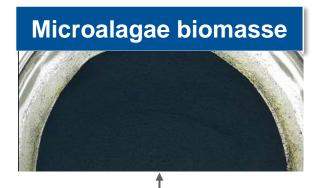


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Tests with wastewater from small wwtps in demonstrators run by the Phos4You partners















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LCA carried on on P-recovery processes



About methods

- P-recovery technologies assessed in the reference system in which they are implemented
- System expansion approach and avoided burden approach were applied and gave similar results

About results

- Positive environmental impacts on mineral resource depletion
- Variable impacts on global warming or fossile resource depletion

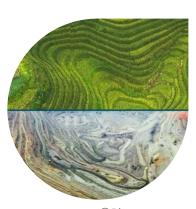






Chart n° 9



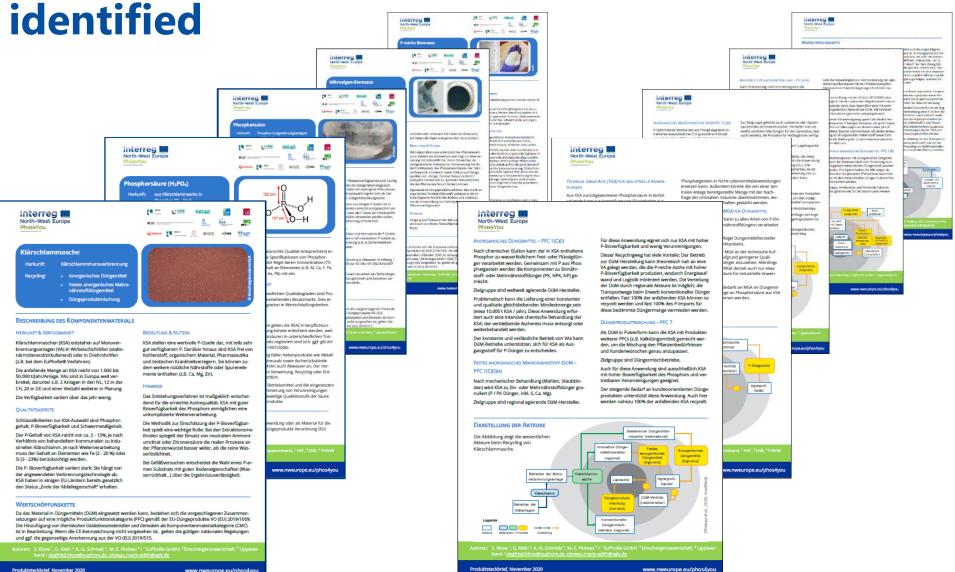
Main lessons and introduction to results

RECOVERED PHOSPHATE MATERIALS USABLE IN EXISTING VALUE CHAIN



Possible pathways for P-materials









Practical assessment of the P-materials through the fertiliser sector

Global players





Regional players











Scientific assessment of the P-materials

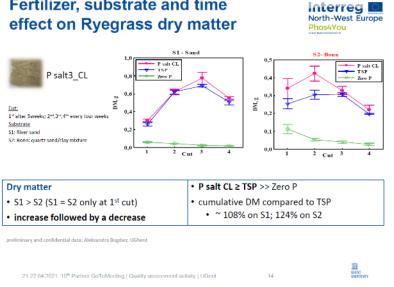








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Clarification on how the P-materials fits in the legal frameworks & political context



Essential support of the nutrient platforms and networks











Auf European and national levels

- EU FPR 2019/1009 + Strubias CMCs
- REACH-regulation (EC) 1907/2006
- Waste directive 2008/98/EG for End-ofwaste status
- Regulation on shipments of waste (EC) 1013/2006
- EU Green Deal/Farm-to-Fork_Strategy/Cirular economy action plan...





Main lessons and introduction to results

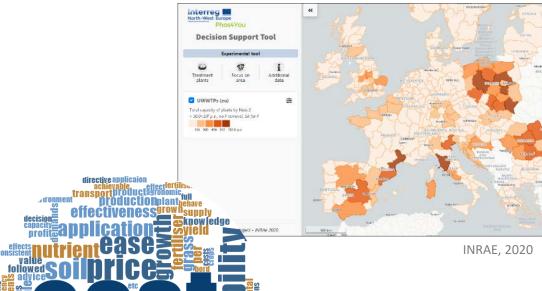
REGIONAL/LOCAL SCENARII FOR P-RECYCLING DEPLOYMENT DRAFTED





Engagement with regional & international stakeholders essential and to be pursued









SERAPLANT A ICL Fertiberia















Extensive case studies for deployments of regional P-recovery







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Partners present results in this 2-days conference, in reports and publications





The partnership expresses its gratitude for all supports provided to Phos4You!













University of Applied Sciences and Arts Northwestern Switzerland School of Life Sciences











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