

THE OPF '50:50:50' GOAL

Calls for a 50% reduction in global phosphorus pollution and a 50% increase in the recycling of phosphorus lost in wastes, by 2050, could deliver benefits across all the OPF pillars.



PHOSPHORUS ACCESS

The 50:50:50 goal could return an additional 8.5 Mt of recycled phosphorus to farms each year, supporting food production and food system resilience.



FOOD SECURITY

The 50:50:50 goal could help create a food system that could provide enough phosphorus to sustain over 4 times the current population.



AGRICULTURE AND FOOD PRODUCTION

The 50:50:50 goal could save global farmers almost \$US20 billion in annual mineral phosphorus fertiliser costs needed to replace losses.



WATER QUALITY

The 50:50:50 goal could significantly reduce the impacts of eutrophication, cutting the need for adaptation costs by over US\$300 billion a year, with multiple socio-economic benefits of restored ecosystems.



PHOSPHORUS RECYCLING

The 50:50:50 goal could help a transition to a circular economy for the phosphorus cycle; decoupling economic growth from the consumption of finite phosphate rock resources.



PHOSPHORUS RECOVERY

The 50:50:50 goal could help develop sustainable business opportunities, accelerating and supporting new jobs through emerging green economy sectors.



CONSUMPTION

The 50:50:50 goal could provide consumers with better access to foods produced in phosphorus sustainable ways, allowing consumers to better support a transition to a sustainable phosphorus future, sustainable city living and post COVID-19 'Green Recovery'.