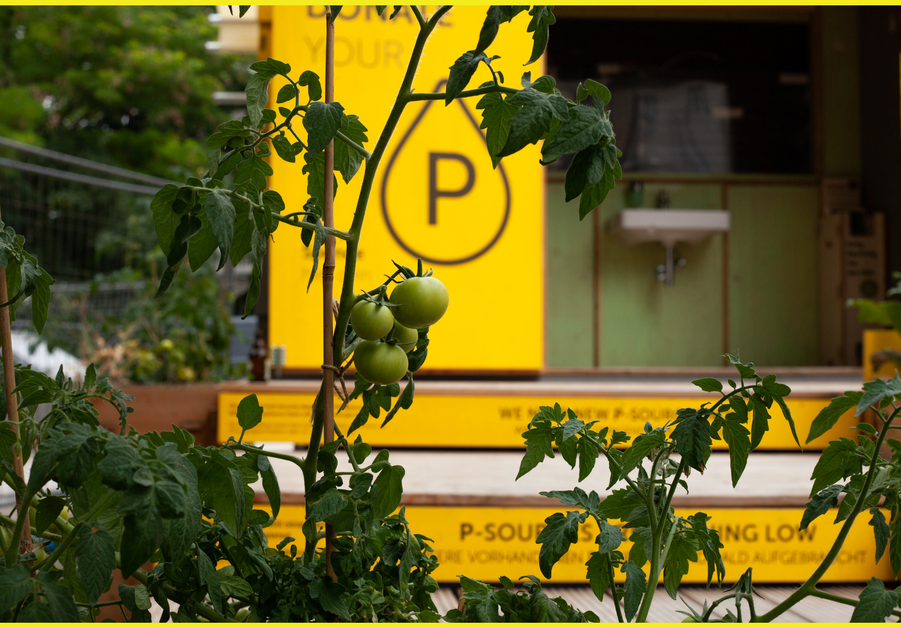
re-use



How do we re-use P

Outside the P-Bank, this fertilizer is used for our own herbs and plants. Recovered Phosphorus from sustainable systems like the P-Bank is an alternative for the mined Phosphorus used in industrial fertilizer.

On special day's our donors are rewarded with a recovered fertilizer product or can regain their strength with carrot from our own P-Bank gardens.

Why we re-use

All living organisms need P to grow. We, humans, get our P by eating other living organism like plants or animals.

Plants extract P from the soil.

By extracting P from Phosphate Rock, we were able to produce fertilizer products and increase our food production.

But P is a non-renewable and limited resource.

Phosphate rock can only be found on a few places in the world, with the Western Sahara taking the lead by owning over 70% of the worlds remaining Phosphate Rock.

So we have to start closing the P-Cycle to guarantee or food security in the future.

We can recover 30% P by closing our nutrient cycle in sanitation systems.

Not all P ends up in our domestic wastewaters. There are big nutrient-loses on several levels: inefficient food production, residual and food waste, erosion of farmland and many other places.

Thereby a more plant-based diet and sustainable agriculture would also contribute to this problem.

Food import and export also have a major effect on P and other important resources.