# Recovery and utilisation of nutrients for low impact fertiliser

www.run4life-project.eu

## Paradigm shift

The world food supply is entirely dependent on the use of fertilisers. However, current fertiliser production practices are not sustainable. Domestic wastewater is an important nutrient carrier that is currently not exploited. Run4Life demonstrates an alternative strategy for improving nutrient recovery, based on a decentralised treatment of segregated domestic wastewater streams and organic kitchen waste. This radical change opens a new paradigm in society.

## Large scale demonstration

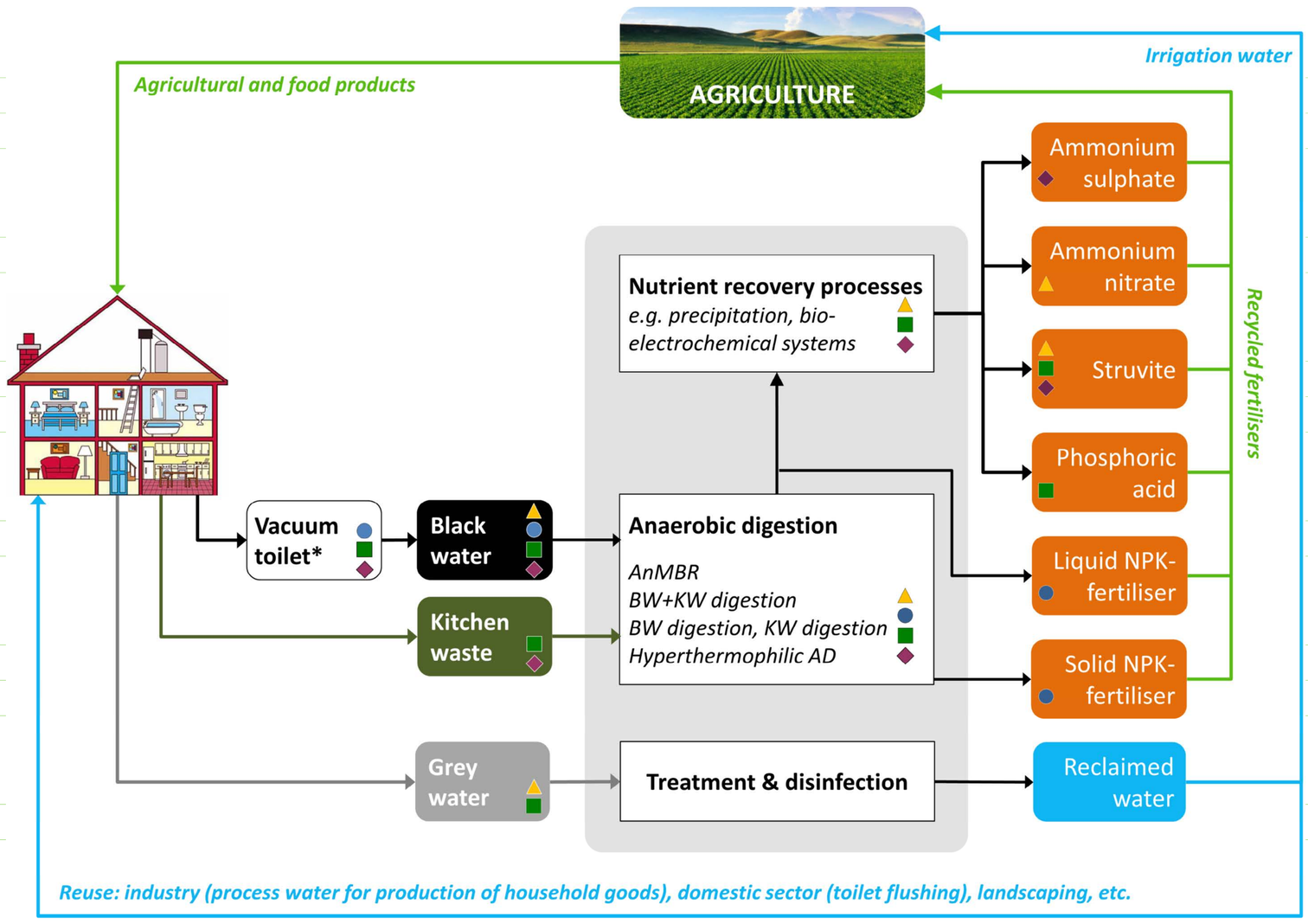
At 4 full-scale sites in Europe different innovative technologies are combined (see diagram below). The resulting fertiliser products will be characterised and the possibilities for their agricultural application will be determined.

## A joint force of 15 well-matched partners

The Run4Life consortium represents the entire value chain. The combination of partners increases the market success of the proposed solutions and enhances social acceptance.

**Run4Life aims to:**

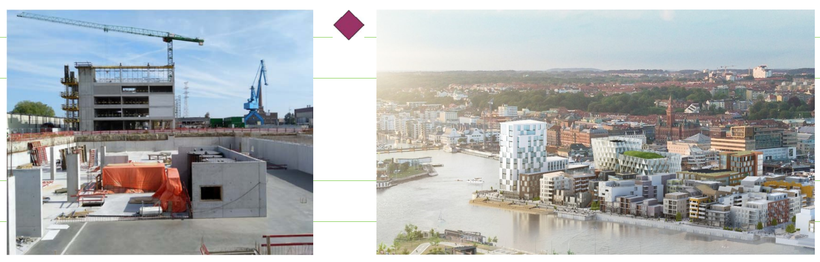
- Improve innovative nutrient recovery technologies
- Demonstrate large scale nutrient recycling from domestic wastewater
- Evaluate impacts on environment, society and economy
- Promote full product acceptance and review legal framework
- Implement a value chain for the products, including new business models




** In Sneek newly developed ultra-low flush vacuum toilets will be used*

Vigo (ES): Porto do Molle business centre, 200 people

Sneek (NL): neighbourhood, 75-100 people



Nieuwe Dokken, Ghent (BE): new district 1200 people

H+, Helsingborg (SE): new district 1800 people

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