

1w1a: Cross-overs: Closing loops together

Session: 11 April 13.45u (continued at 15.45)

[ir. AT \(Alexander\) Boedijn MSc](#) WUR/WPR, BU Greenhouse Horticulture

[dr.ir. J \(Jeroen\) Kals PhD](#) WUR/WLR, Animal Nutrition

[ir. WAJ \(Wilfred\) Appelman MBA](#) WUR/WFBR, BBP Bioconversion

[dr. HEJ \(Hilke\) Bos-Brouwers](#) WUR/WFBR, FFC SC & IM

One of the pathways to close resource loops within the transition towards a circular economy could very well be an intensification of cross-sector collaboration. Cascaded use and exchange of (waste)material flows between industries could become a crucial building block of a circular economy. One sector's waste is another sector's treasure!

In this context, participants of the workshop "Cross-overs: Closing loops together" will explore how their respective sectors could become more connected by exchanging resource flows such as (waste)water, nutrients, biomass, minerals and metals. The workshop spans 3 hours and consists of presentations by the organizers and a co-creation session in collaboration with illustrators from JAM Visual Thinking.

The presentations will be used to introduce the concept of 'Cross-overs', and two example cases will be discussed. The first example case focuses on aquaponics: a cross-over between the horticulture and aquaculture sectors. The second example case focuses on how to develop a circular approach, utilizing organic sources within an urban high-rise setting and combining it with food, feed and energy production as well as educational and community functions within the living, working & recreational environment.

For the co-creation session, the participants are divided into groups of max. 5 people to discuss potential cross-overs between their respective sectors. Each group is joined by an illustrator from JAM Visual Thinking who will visualize their discussion as it proceeds and guide their creative process. The organizers of the workshop will rotate between the groups to act as discussion facilitators and to offer expertise support. At the end of the workshop, each group will have created a tangible product: a visualization of a potential cross-over between their own sectors. These visualizations have proven to be great tools to create leads and inspire follow-up projects!