**Food System Dynamics Press release**

The Food Science cluster of Wageningen University decided to integrate their expertise and to further consolidate their leading position by setting up a System Dynamics program.

Cluster Food Sciences:

* [Laboratory of Food Chemistry](http://www.wageningenur.nl/en/Expertise-Services/Chair-groups/Agrotechnology-and-Food-Sciences/Laboratory-of-Food-Chemistry.htm)
* [Laboratory of Food Microbiology](http://www.wageningenur.nl/en/Expertise-Services/Chair-groups/Agrotechnology-and-Food-Sciences/Laboratory-of-Food-Microbiology.htm)
* [Food Process Engineering Group](http://www.wageningenur.nl/en/Expertise-Services/Chair-groups/Agrotechnology-and-Food-Sciences/Food-Process-Engineering.htm)
* [Food Quality and Design](http://www.wageningenur.nl/en/Expertise-Services/Chair-groups/Agrotechnology-and-Food-Sciences/Food-Quality-and-Design-1.htm)
* [Physics and Physical Chemistry of Foods](http://www.wageningenur.nl/en/Expertise-Services/Chair-groups/Agrotechnology-and-Food-Sciences/Physics-and-Physical-Chemistry-of-Foods.htm)

The Food Sciences cluster has allocated funds for five PhDs projects (one is already assigned)

* [PhD Food Microstructure System Dynamics May 22, 2014](http://www.wageningenur.nl/en/Jobs/Vacancies/Show/PhD-Food-Microstructure-System-Dynamics.htm)
* [PhD Food Design System Dynamics May 22, 2014](http://www.wageningenur.nl/en/Jobs/Vacancies/Show/PhD-Food-Design-System-Dynamics.htm)
* [PhD Food Safety System Dynamics May 22, 2014](http://www.wageningenur.nl/en/Jobs/Vacancies/Show/PhD-Food-Safety-System-Dynamics.htm)
* [PhD Food Digestion Dynamics - Molecular Aspects May 22, 2014](http://www.wageningenur.nl/en/Jobs/Vacancies/Show/PhD-Food-Digestion-Dynamics-Molecular-Aspects.htm)

The projects are organized along two main trajectories

* Food production Dynamics – on the transition from food supply chains that are now effective, but not efficient in the use of resources generating a lot of waste.
* Food digestion dynamics – on the bridging between food sciences and nutrition sciences, which will focus on understanding how the composition and structure of food products determines the release and uptake of nutrients.

The goal is to construct a comprehensive Systems Dynamics approach providing suitable tools to manage complex systems and to deliver sound scientific bases allowing the creation of new products and sustainable and safe processes.

The ultimate mission is to supply people suitable foods for their specific needs promoting at the same time the development of zero-waste sustainable circular food chains.