

Education and research on Organic agriculture @ Wageningen UR

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WAGENINGEN
UNIVERSITY & RESEARCH

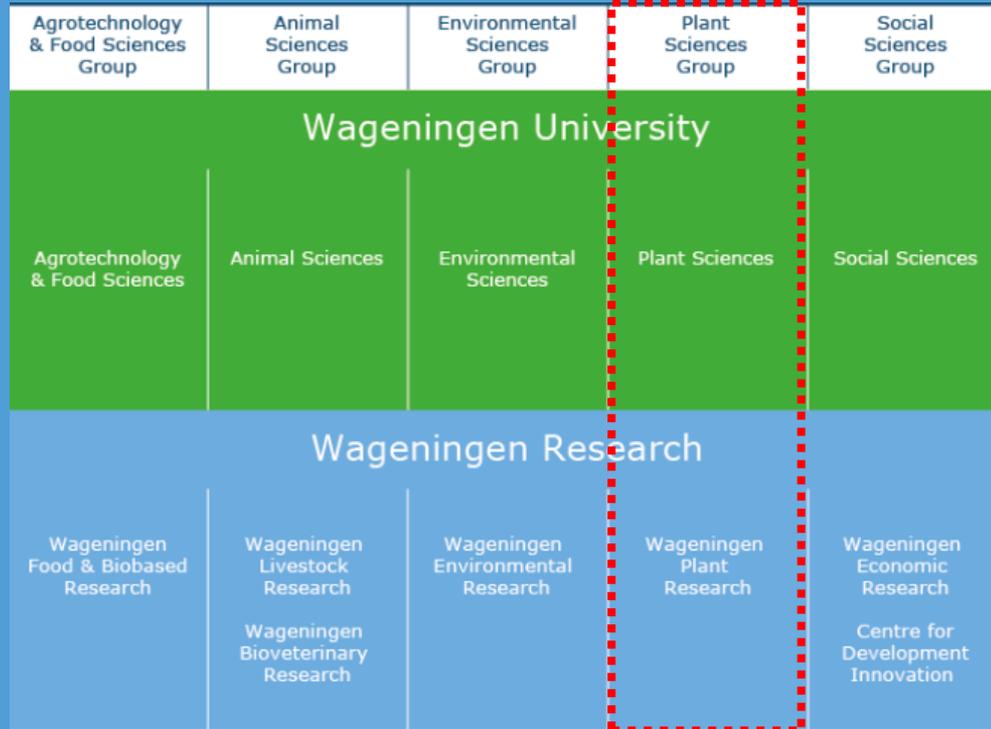


100years
1918 — 2018

Outline

- Wageningen UR
- MSc Organic Agriculture at Wageningen University
- Research on sustainable agriculture @ WUR: a snapshot
- Ideas about future collaboration

What is Wageningen University & Research?



Facts and Figures Wageningen University

19 BSc-programmes:

Animal Sciences

Biology

Biosystems Engineering

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Plant Sciences

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Soil, Water, Atmosphere

Tourism (joint degree)

30 MSc-programmes:

Animal Sciences

Aquaculture and Marine Res. Manag.

Biobased Sciences

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Organic Agriculture

Plant Biotechnology

Plant Breeding (online)

Plant Sciences

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Urban Environmental Management

Water Technology (joint degree)

MSc Organic Agriculture: Specialisations

- Agroecology
- Sustainable Food Systems
- Double Degree Agroecology (with ISARA, Lyon, France)

Focus: applied academic research



MSc programme (on campus)

Size/ duration: 120 ECTS (2 years; 1 ECTS = 28 hours)

- Courses max. 8 x 6 ECTS = max. 48 ECTS
- AMC 12 ECTS (project + skills)
- Thesis 36 ECTS
- Internship 24 ECTS



Keywords of the approach:

- Beyond disciplines (multi-, inter- and transdisciplinary approaches)
- Systems analysis, modelling, simulation
- Connection between academic science and practice (-> experiential learning, consultancy skills, etc.)

Some examples of research (MSc, PhD, staff):

- Healthy soils: soil fertility, ecosystems services, resilience
- Innovative cropping systems: strip-cropping, intercropping
- Pixel cropping: using modern technologies to understand/manage productivity at the local scale
- Multi-objective (re-)design of farming systems using models

Some joint research efforts at WUR



Farm of the Future



Lighthouse Farms



Food security in developing countries



Food systems, drivers and impacts

Cooperation University, strategic research & applied research



Some provisional ideas for future cooperation?

- Visits selected staff/students
- Staff exchange? Student exchange? Internships?
- Scholarships for MSc-/PhD-studies (selected high potentials)?
- Comparison curricula/review
- Commissioned/joint research programmes