Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Department of Crop Production Ecology

Upcoming PhD course:

Ecological Principles for Sustainable Weed Management

- ✓ Application deadline 30 April 2022
- ✓ Course start in November 2022
- ✓ 3 weeks full time study
- ✓ 5 ECTS
- ✓ Course venues: Uppsala, Sweden and Santiago, Chile and/or online

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STINT
Stiftelsen för internationalisering av högre utbildning och forskning
The Swedish Foundation for International Cooperation in Research and Higher Education

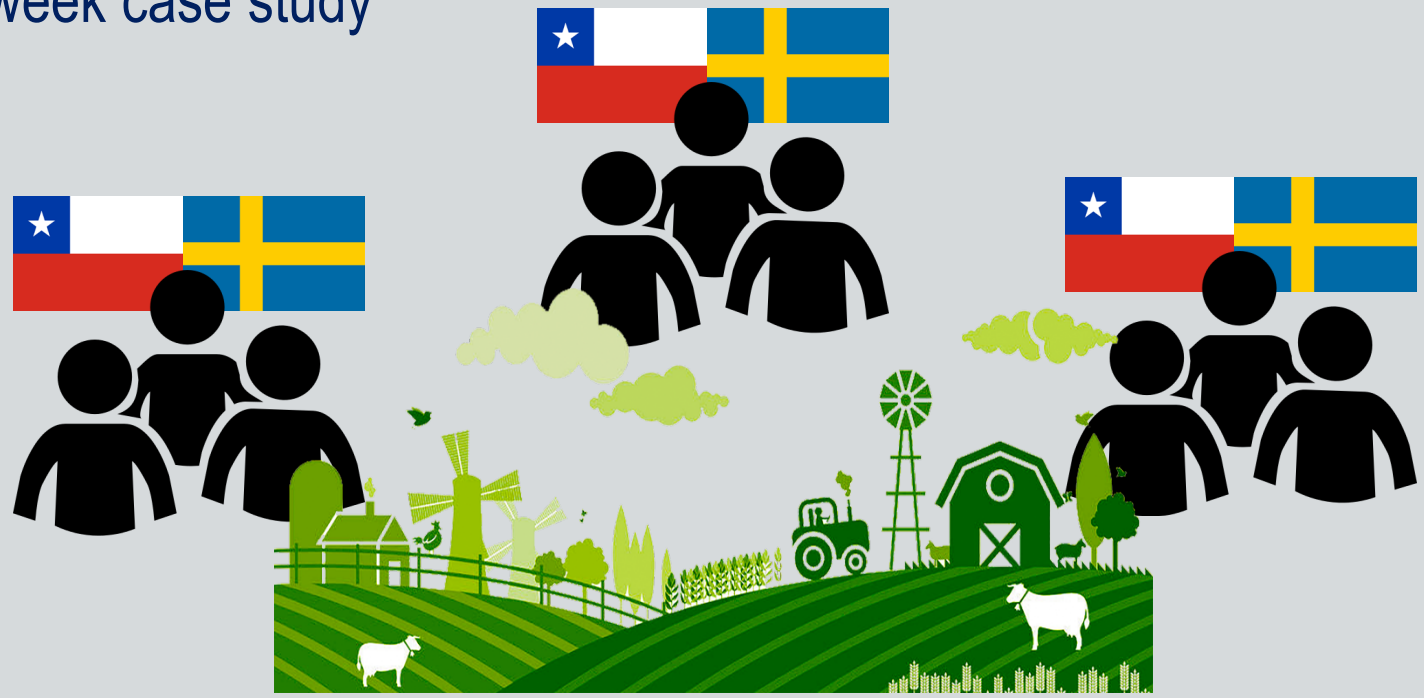
Course content:

Two weeks theoretical part

1. Synthesis of key traits of arable weeds.
2. Ecological principles that can be utilised for supporting sustainable weed management practices.
3. Factors and processes affecting the environmental, economic and social sustainability of weed management strategies across scales.
4. Economic, political and social constraints of weed management, providing a detailed comparative overview on the current and future regulatory framework in Sweden and Chile.
5. Ecological weed management in practice with specific examples for annual and perennial production systems in Chile and Sweden.

Course content:

One week case study



- ✓ Improving the sustainability of weed management on field, farm and landscape scale for six real farm examples in Sweden and Chile.

Course content:

One week case study

- ✓ The students will be divided in interdisciplinary teams with equal number of students from Chile and Sweden.
- ✓ The teams will work on scenarios for improving the sustainability of weed management on field, farm and landscape scale for six real farm examples in Sweden and Chile.
- ✓ Aim of the scenarios is the reduction or avoidance of direct weed control options by utilising ecological principles for weed management.
- ✓ The teams will present their results at the end of the course in a final seminar.

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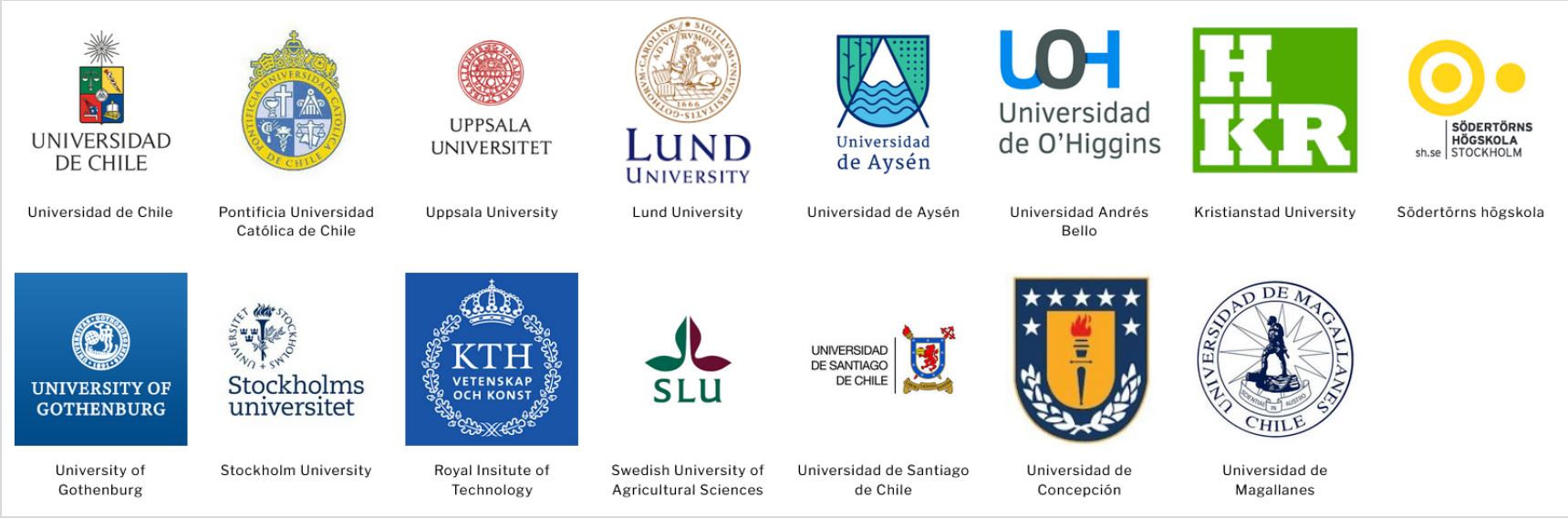
Who can apply?

PhD students* enrolled at one of the ACCESS universities in Sweden or Chile with genuine interested in sustainable management of arable flora.



*** We are aiming for an interdisciplinary teaching and learning environment**, encouraging students from a wide range of scientific disciplines to apply for the course. This is including, **ecology, agronomy, forestry, horticulture, viticulture, biology, environmental sciences or any adjacent scientific areas!**

Course leader:

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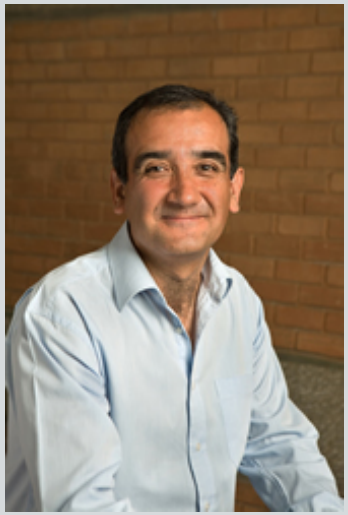

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