

### Sustainable management of Ambrosia artemisiifolia in Europe (SMARTER)

**FA1203** 

Start date: 19/11/2012

End date: 18/11/2016

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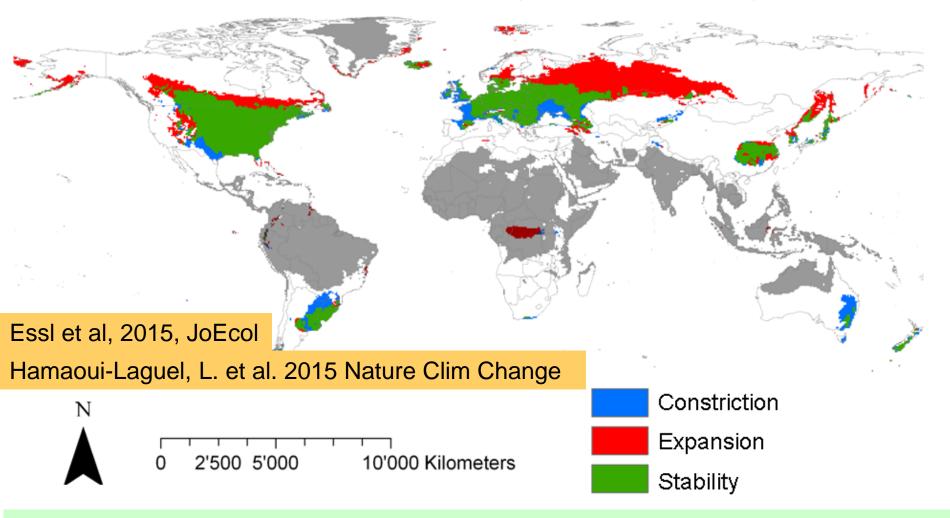


### The problem

Pollen → human health Seeds (plant) → agriculture



# The potential distribution of *A. artemisiifolia* under current and future (A1b in 2100) climate



In Europe: Great potential to further expand north and east, with airborne ragweed pollen concentrations to increase c. 4x by 2050



## Ambrosia control in Europe Objectives

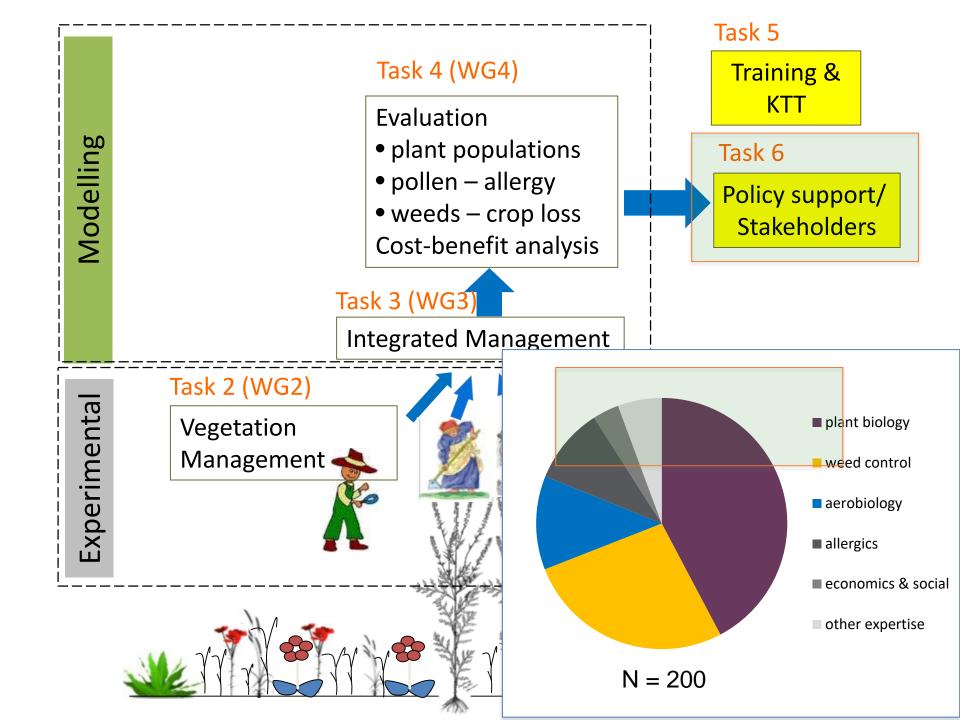
reduce (i) human exposure to the highly allergenic pollen, (ii) crop and (iii) biodiversity losses caused by ragweed

serve as a template for trans-national and transsectoral cooperation in establishing and implementing control measures against IAS

#### Present participation

> 200 researchers from 33 COST/NN countries, plus China, Iran (AUS, USA, Japan, CAN)

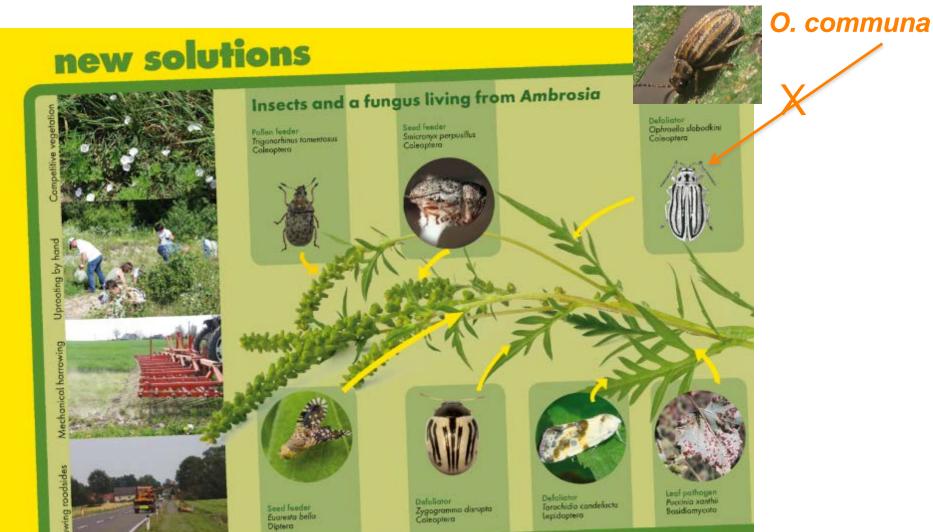
Start: Nov. 2012 for 4 yrs



# WG 1: Classical biological control in Europe: ragweed biocontrol as a template for Europe



2013: Accidental introduction to Europe with massive impact and fast spread of



### SMARTER contribution to and expectations from the workshop

- > The way forward for classical biological control of **invasive weeds** in EU
- > How to react to non-authorized introductions of potential biocontrol agents

#### Monday afternoon: biological control agents of plants

Urs Schaffner. Accidental introductions are increasing in Europe: how to react? Heinz Müller-Schärer. Ambrosia and Ophraella as a model for discussion of regulatory issues

Discussion in groups of regulatory issues with release of non-indigenous biological control agents of plants

Urs Schaffner. short report of the SMARTER workshop in Brussels, 21/22 Jan.

2015 on: Regulating classical biological control of invasive plants across

Europe: SMARTER & stakeholders discuss

#### Tuesday morning: discuss hypothetical scenarios

Agent Z [fungus?] for augmentative control of Ambrosia artemisifolia