

SMARTER

Sustainable management of *Ambrosia artemisiifolia* in Europe 2013-2017

Food and Agriculture - **COST** Action FA1203

the problem



Ragweed in maize field

Mature ragweed plants

Ragweed pollen release

Ragweed pollen allergy

Ragweed infection in Europe

Common ragweed (*Ambrosia artemisiifolia*)

Originally from North America, ragweed is one of the most prominent invasive alien species in Europe with a range that is likely to increase under climate change. It is also an important agricultural weed and its pollen carries noxious allergens that may cause allergy in sensitized people. Therefore, long-term, sustainable and widely applicable management of is required.

Who we are

An interdisciplinary network of experts currently involved in the control of ragweed, health care professionals, aerobiologists, ecologists, economists, and atmospheric and agricultural modellers.

What we do

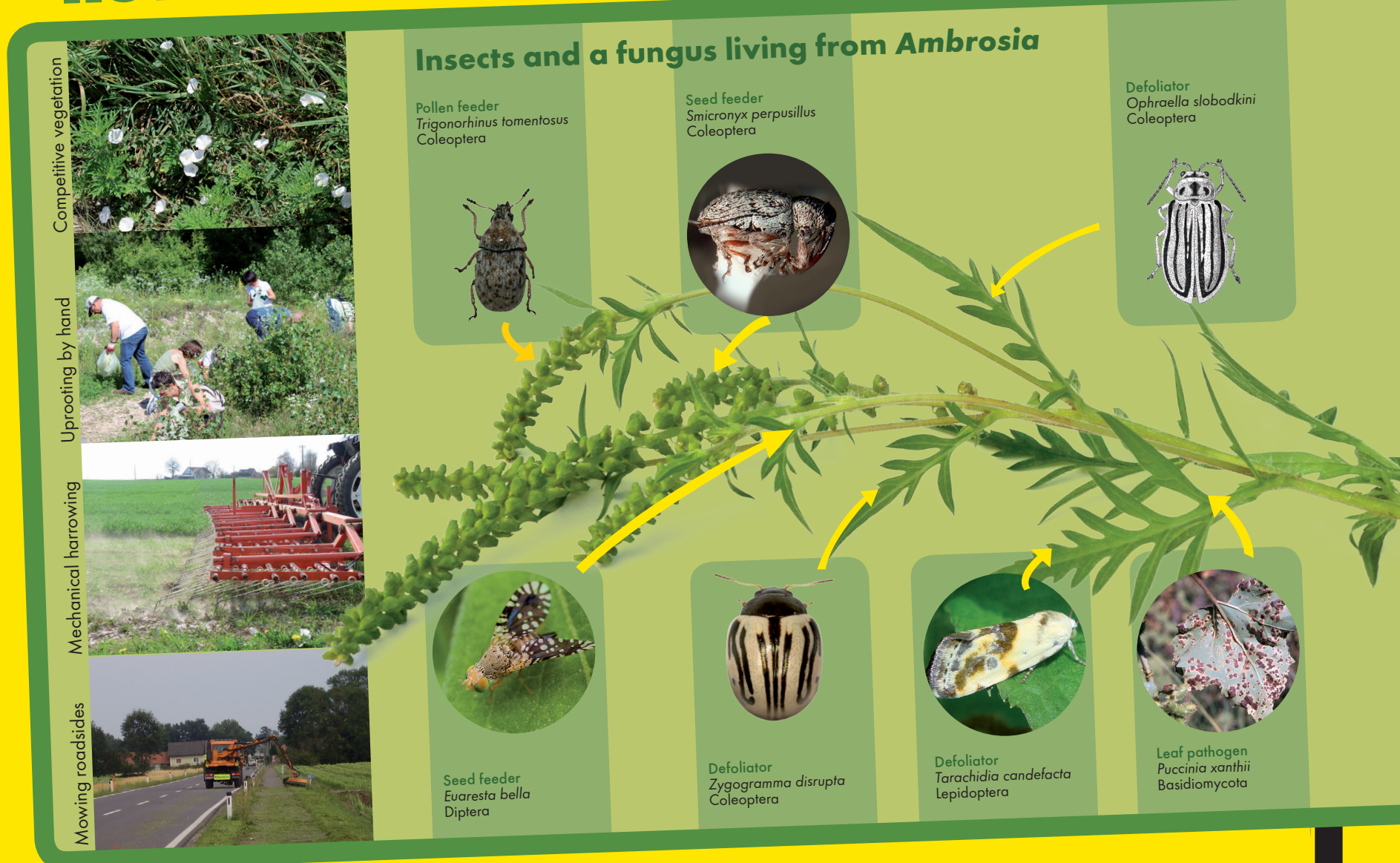
- Plan long-term management and monitoring options
- Develop new innovative management solutions
- Assess the cost-effectiveness in mitigating the effects of invasive alien species

How we work

The synergy between biological, physical and chemical control measures and vegetation management is central to **SMARTER**.

We aim to provide training, knowledge and technology transfer and policy support.

new solutions



Are you working with *Ambrosia* and interested to join?

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the solutions TBLR: 1. Gerhard Karrer. 2-3. Bruno Chauvel. 4. Ivana Milakovic. 5. Figure adapted after: Gerber et al. 2011. Weed Research 51: 559-573.

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