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Project aims & achievements

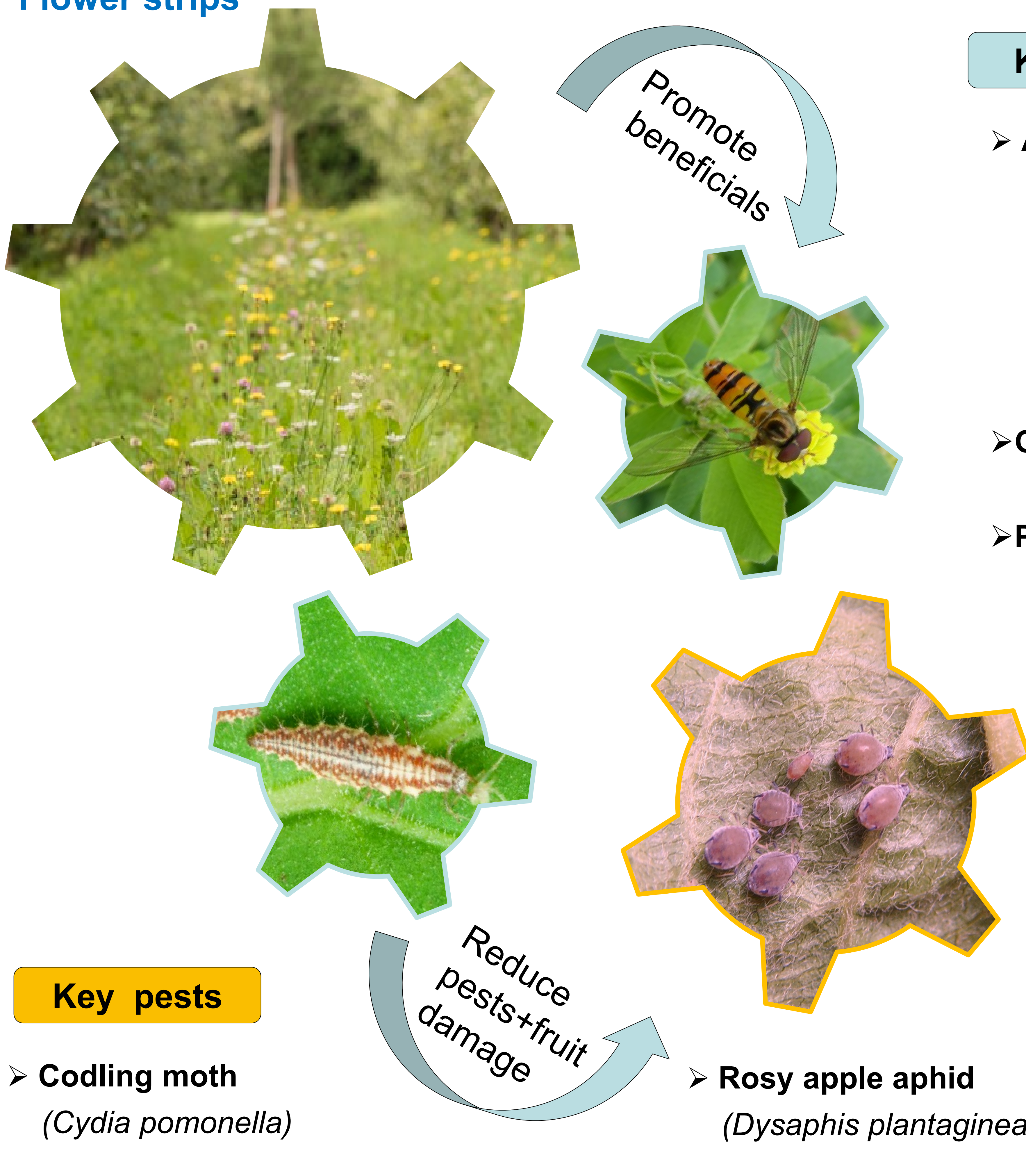
- An  **European survey** of farmers and advisors was conducted and **workshops** and **field demonstrations** were performed to increase and assess knowledge on functional biodiversity in apple production.
- Based on the results of the survey, a  **handbook for farmers** was developed, showing information on key beneficials and easy-to-use methods for the assessment of functional agro-biodiversity in their orchards.
- Methods for promotion of natural enemies against apple pests were proved by synchronized field trials with perennial **flower strips** in the interrows of organic orchards. A  **technical leaflet** provides practical information on key beneficials, suitable flowers and management of flower strips.
- A web-based platform was created to share all kind of information on functional biodiversity in pome fruit production. Visit our website at

 <https://ebionetwork.julius-kuehn.de/>



Fig. 1: Project partners: Universities, research institutes, advisory services and collaborating farmers of 9 European countries, Map: ArcGIS

Flower strips



Key beneficials

- **Aphid antagonists:**
 - Syrphidae (Photo: *Episyrphus balteatus* on *Medicago lupulina*)
 - Chrysopidae (Photo: Larva of *Chrysoperla carnea*)
 - Coccinelidae
 - Anthocoridae
- **General predators** (e.g. spiders, earwigs)
- **Parasitoids of *C. pomonella*** (e.g. *Ascogaster quadridentata*)

