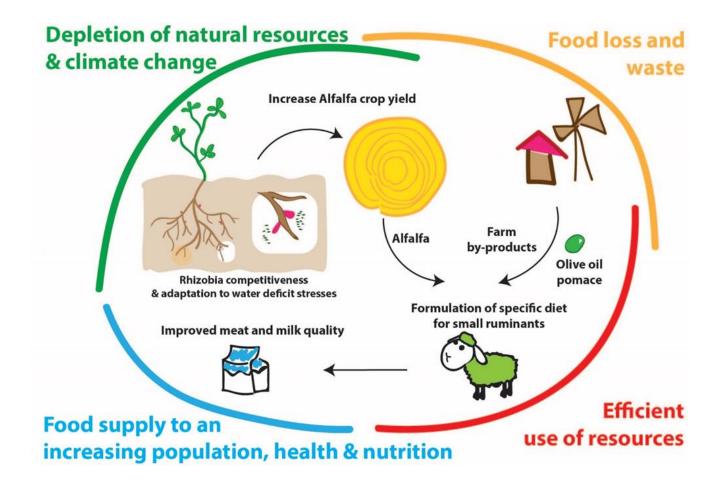






ALfalfa for sustainable Livestock farming systems: Improve alfalfa - rhizobia symbiosis and New feeding strategy based on ecological leftovers

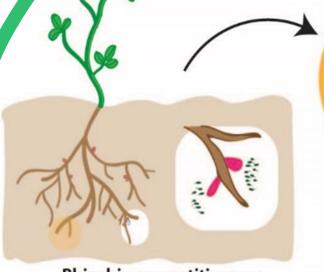




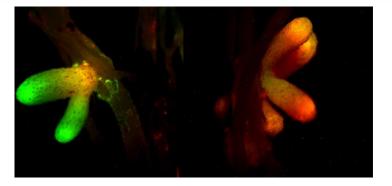




Increase Alfalfa crop yield



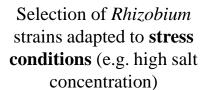
Rhizobia competitiveness & adaptation to water deficit stresses



Selection of the best *Rhizobium* natural strains to be used as **Elite inoculants** to improve alfalfa yield



Identification of genomic features related to competitiveness of Rhizobium strains in the rhizosphere





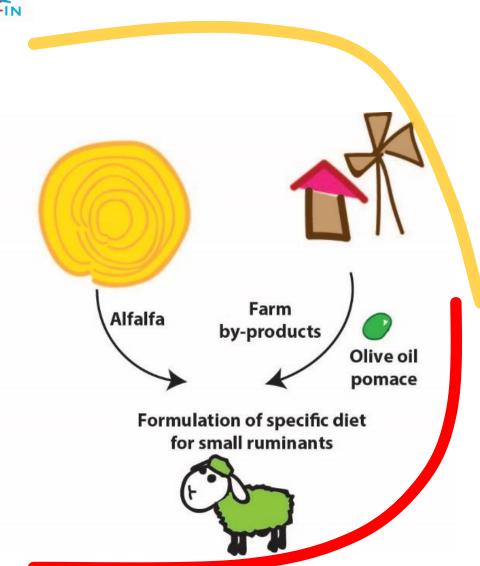




Development of a **feeding strategy** for livestock based on the principle of **ecological leftovers** by the reuse and the recycle of agro-food byproducts (olive oil pomace)

Formulation of specific sheep diets using the optimal combination of alfalfa in combination with farm organic byproducts

Evaluation of experimental diets (in vitro and in vivo)









Improved meat and milk quality



Dissemination & communication plans (DEP) are inextricably linked to communication, to stakeholder engagement activities and to the exploitation of the results.

DEP will be developed focusing on:

- reinforcing cooperation,
- young scientist training,
- technology transfer,
- stakeholder involvement.







Partners

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Thank for your attention



