



Soil: fertility, biological life and fighting against erosion



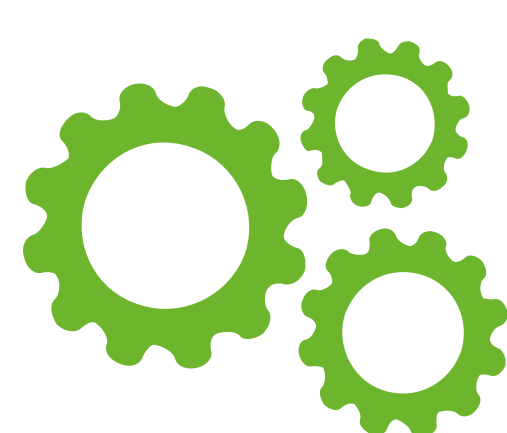
AGRI Innovation summit 2019



Other Multiactor Project

French Scientific Consortium GIS FRUITS

GIS FRUITS



Practical problem

Adaptation to and anticipation of climate change, economy, societal expectations, pest and diseases, systems approach, quality.



Partners

22 partners involved in Research, higher education, development, Professional organisations, Public bodies and competitiveness clusters.



Calendar

Start: 01/01/2012
End: -



Budget

Total amount:
€90,000/year

Objectives of the project

GIS FRUITS aims to develop a long-term, joint strategy covering a range of activities in the sector, from Research up to the transfer of innovations to economic actors. 6 scientific priorities:

- Organisation of stakeholders and sector competitiveness.
- Societal expectations: consumer and buyer behaviour, citizens' needs.
- Understanding of the functioning of fruit production systems and pest control.
- Adaptation to, and anticipation of, climate change.
- Systems approach on 3 levels: field, farm and territory.
- Develop and maintain the quality of fresh and processed fruits.

Main activities

- Identify new research questions through dialogue between partners.
- Launch research, development, and training projects.
- Enhance collaboration between 22 members: INRA, CIRAD, AGROCAMPUSOUEST, MONTPELLIERSUPAGRO, CBNM, CTIFL, CTCPA, ITAB, IFPC, FNPF, GEFEL, AFIDEM, FELCOOP, BIP, CEP, INTEFEL, MINAGRI, APCA, FRANCEAGRIMER, VEGEPOLYS, VALORIAL, TERRALIA.

Expected results

- Accompany innovations in the field.
- Disseminate results of actions.
- Provide information for the general public.
- Enlighten public policy with scientific knowledge acquired by the GIS.

Results so far/first lessons

Four examples of results concerning climate change and quality of soils: surveys, a book, training and modeling.

1. Participatory science: surveys for fruits producers to understand their perception of climate change and soil quality
2. Publishing: financial support for the writing of a book "Adaptation of Fruit Productions to Climate Change": 20 scientists involved
3. Training: financial support for a 6-month student work about phenology of apple tree depending on temperature
4. Building a tool for spatiotemporal mapping forecasts of the dates of the flowering of the Golden Delicious apple trees: CARTOPHEN

Who will benefit

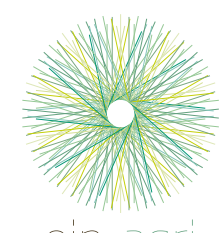
Results benefit in many ways: for scientists, producers and policy makers

1. Testimony of fruit producers help scientists to focus their Research on accurate problems
2. The book will give producers, scientists and policy-makers the necessary information and help them take the right decisions in anticipation of climate change
3. Encourage young students to develop a liking for Research and derive useful results from it
4. Modelling to support growers with the management of their orchards according to climate variations. Help growers to manage the fertilization of their orchards.

Supported by:



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