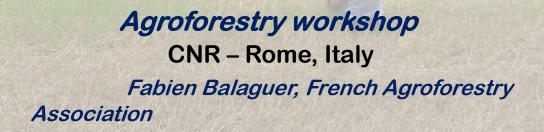
Agroforestry development in France: from local to national level (and beyond...)



12 December 2018



association francaise



"A fertile soil in a fertile landscape"

A Justice

Carbon cycle?Organic farming?

n Gull

A lack of communication between stakeholders...





The French Agroforestry Association (creation 2007)

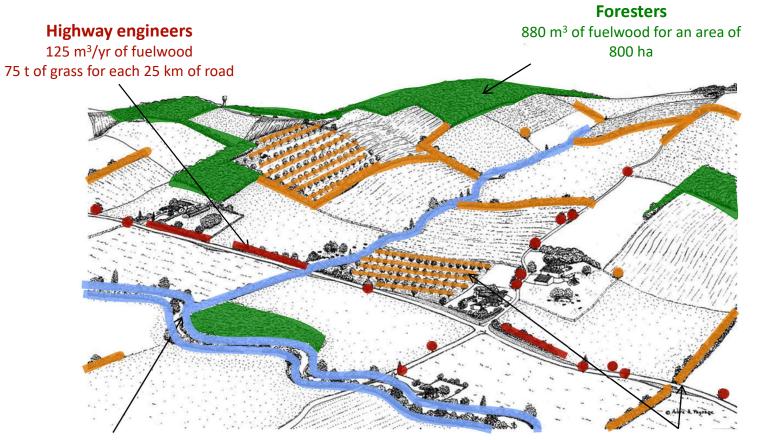
\rightarrow Launched by, with and for farmers

Goals:

- 1) Connecting stakeholders/experiences together
- 2) Raising awareness
- 3) Exchanging knowledge (incl. training)
- 4) Encouraging/coordinating multi-actor projects (incl. research)
- 5) Fostering policy improvements



The need for landscape cooperation



River conservationists 460 m³/yr of fuelwood for each 55 km of river **Farmers** 30 m³ of fuelwood/yr/farm (100 ha, of which 20ha are agroforestry + 5km of hedges)

©D. Dellas – A&P32

Agr'eau – a farmer-centered initiative



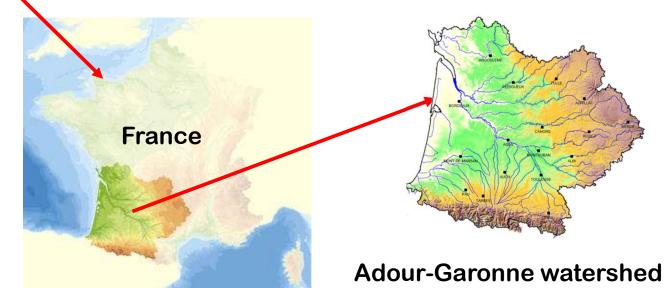
<u>Aim</u>: collaborative development of farming practices that allow for...

- Sustainable soil & water management (<u>landscape</u> <u>approach</u>)
- Intensification & optimization
 of farming systems

→ Producing more, with less... while protecting the environment



A long-term development programme launched in 2013



Agr'eau – a farmer-centered initiative



Consumers/citizens

Agr'eau – A multi-partner initiative

The institutions

Programme manager

French Agroforestry Association



Founding partners

IAD : Sustainable agriculture Institute*A.O.C Sols*: local soil conservation association*Arbre et Paysage 32*: local farmer association



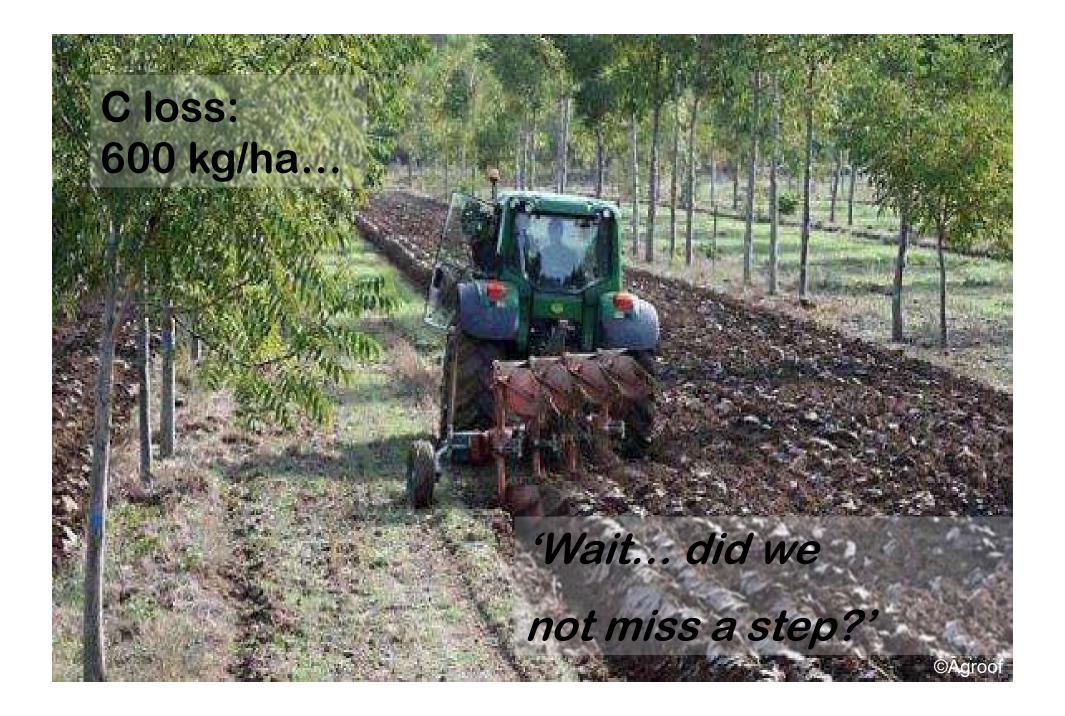


Sponsors

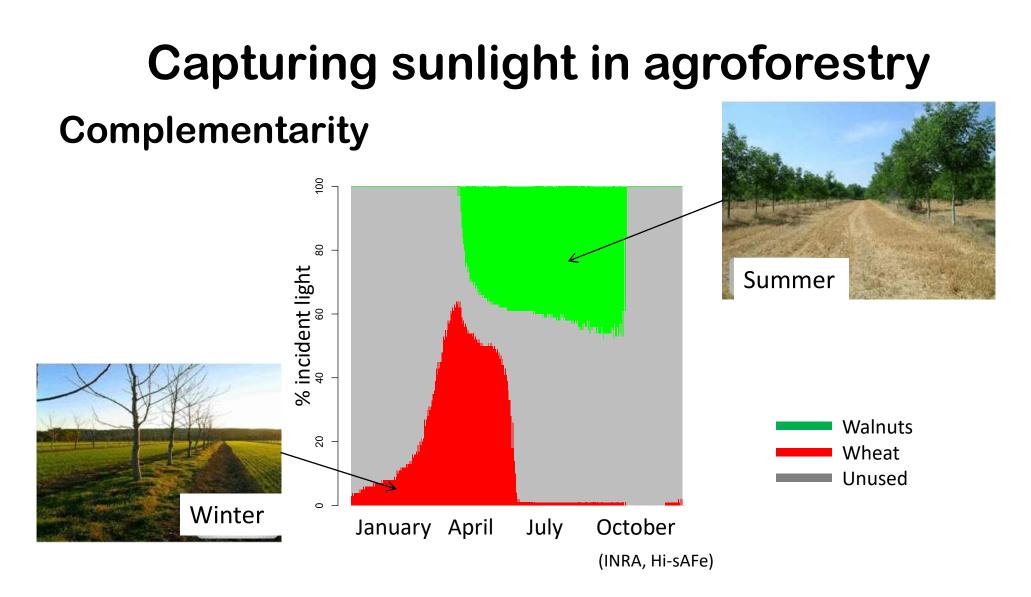


Associated partners









On a 1-yr period, 15 yr old trees + wheat

No-till + direct seeding into living mulch = Healthy, fertile, filtering soils



AGRO forestry as a means to reach sustainable farming



13t of biomass/ha

©Association Française d'Agroforesterie



Conversation agriculture...



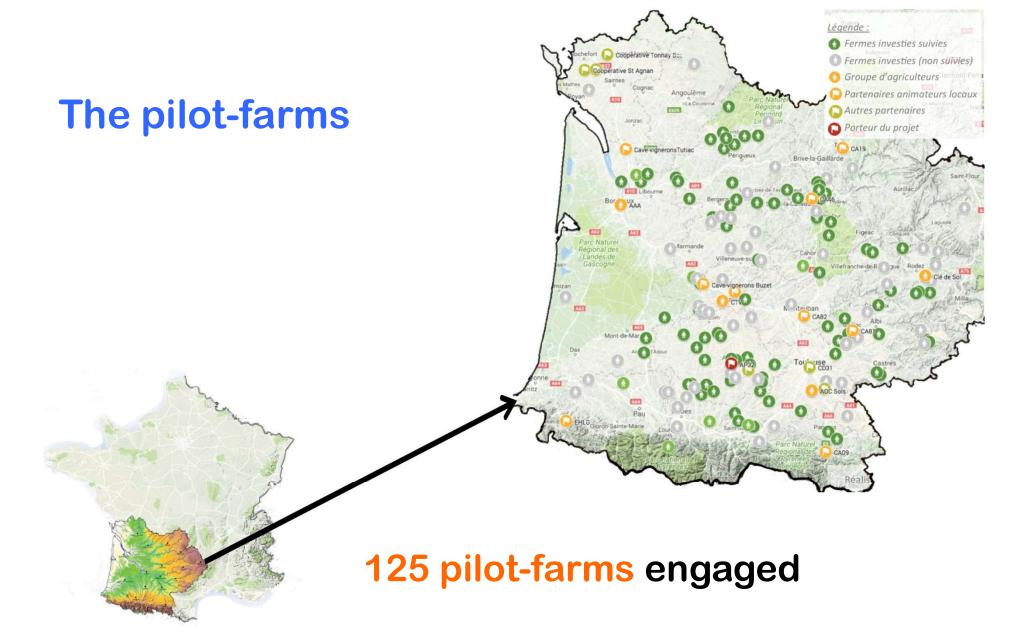
©Association Française d'Agroforesterie

Rassembler pour innover www.aube.chambagri.fr

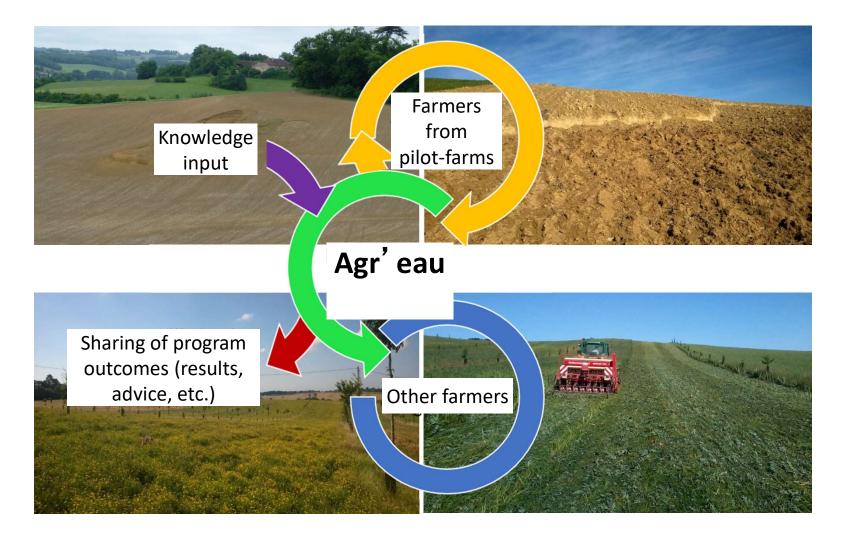
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The keystone of the Agr'eau initiative:

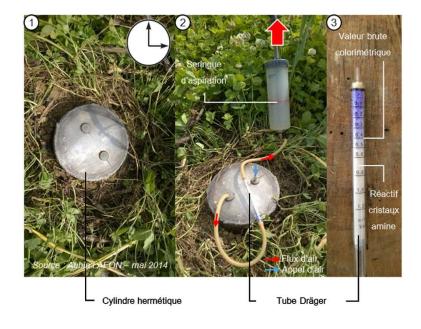


Farmers, the motors of innovation!



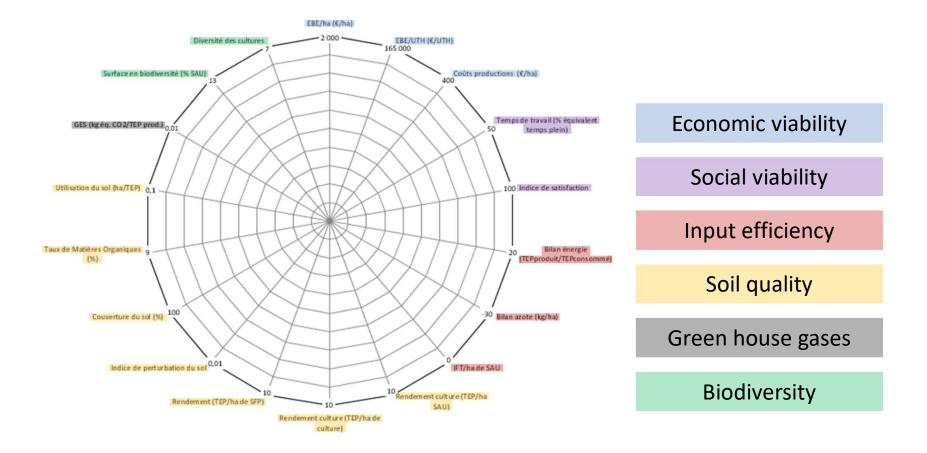
Assessing results – <u>Field-level</u>

- Humus, carbon & nitrogen balances: impact of farming practices on soil organic matter and soil dynamics
- Soil quality assessment: biological activity, water infiltration capacity, etc.
- Biomass yield per year



Assessing results – Farm-level

• Multi-criteria evaluation of farm performances (radar charts)



Raising awareness...

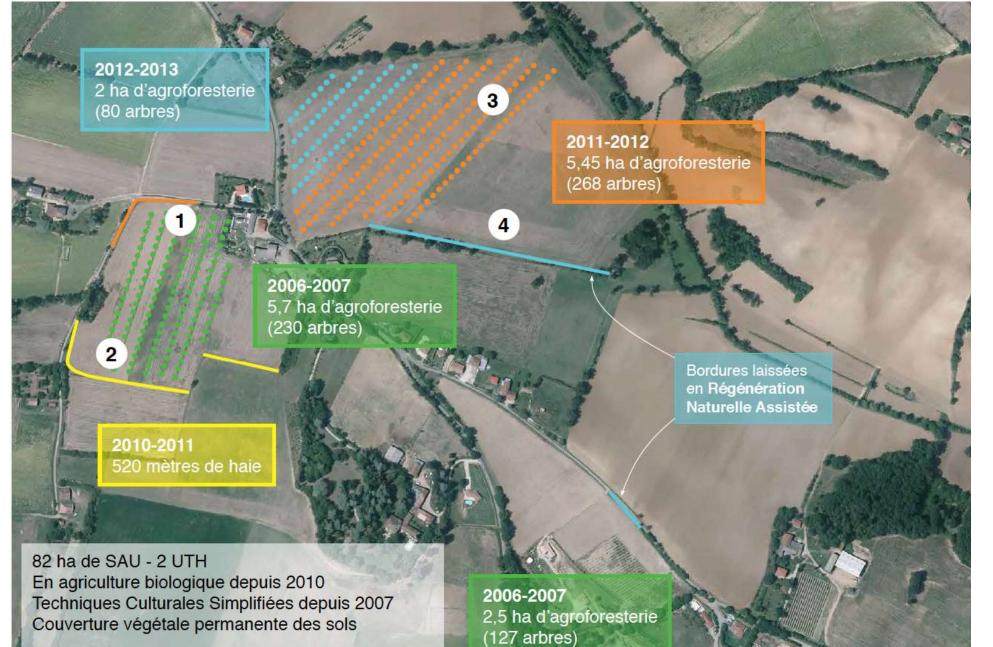


New skills... for the farmers, advisors, extensionists...

→ Education as the keystone of the transition

Keeping feet on the ground...





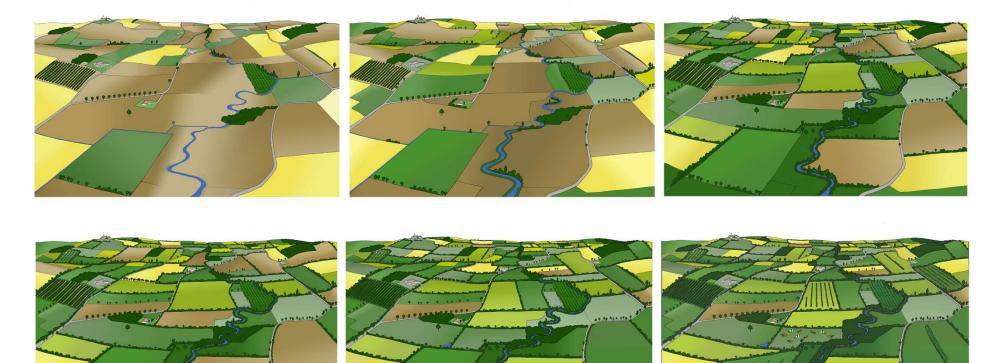
Productions végétales : grandes cultures et fourrages en production biologique · Cultures: blé, orge, féverole, pois, tournesol, sorgho

110 mètres de haie

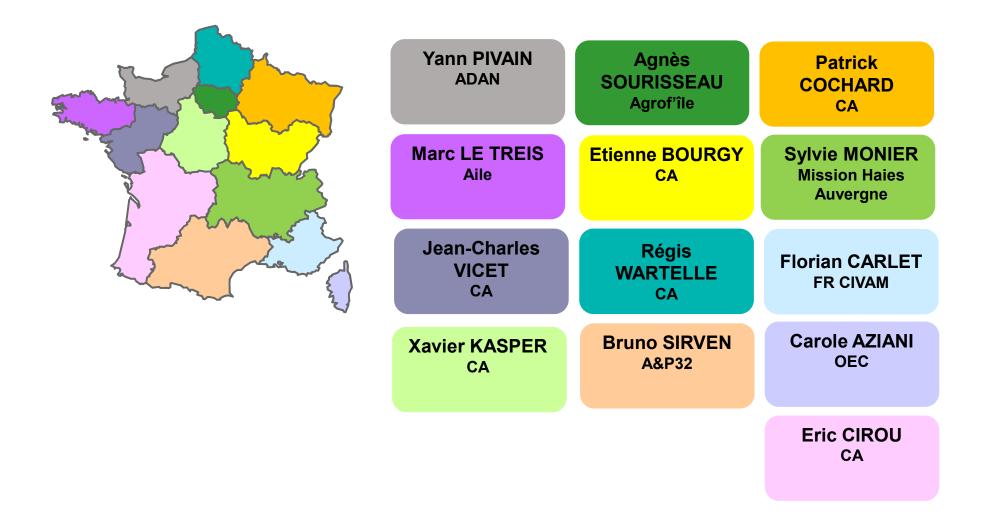
2006-2007

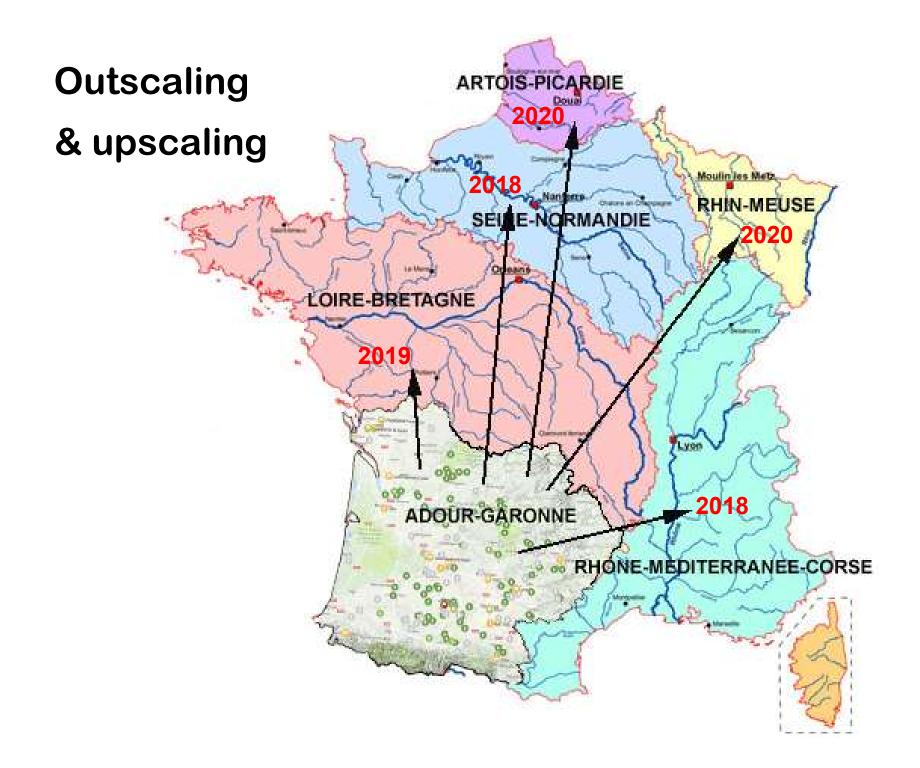
An agro-ecological transition

\rightarrow Multiple time and space scales



French Rural Network on Agroforestry (2015-18)

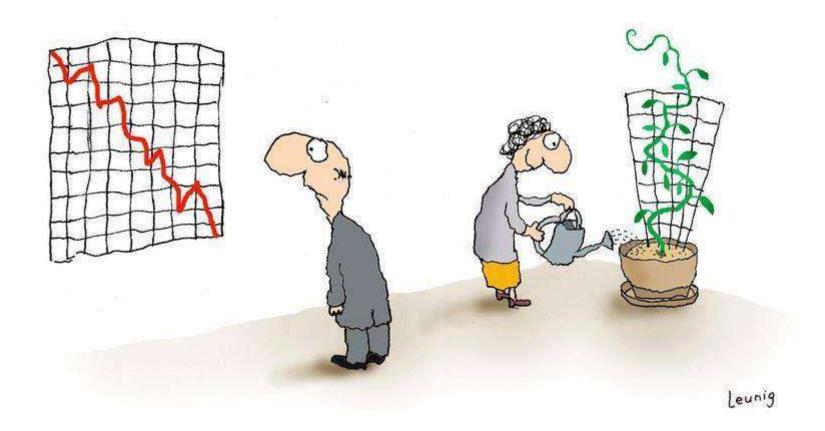




More innovations on the way...









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