

French regional project SO-PERFECTS: The Nouvelle Aquitaine, a territory to promote agro- ecological sheep farming systems that combine economic, environmental and social performance.

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RÉGION
**Nouvelle-
Aquitaine**



Fonds Européen Agricole
pour le Développement Rural :
l'Europe investit dans les zones rurales



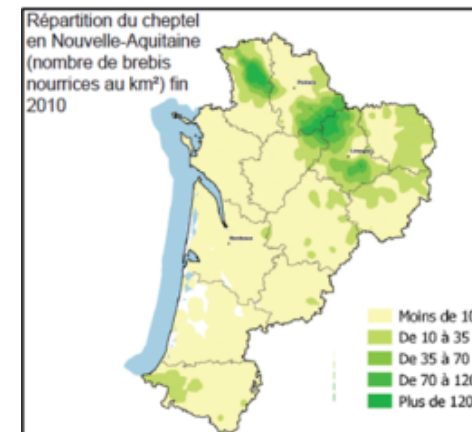
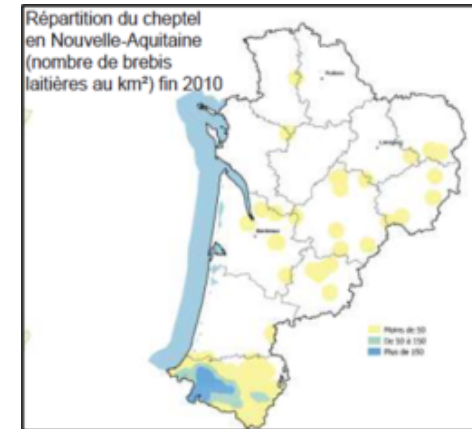
CIIRPO

Context and issues

- Sheep farming and its sectors :

A special place in Nouvelle Aquitaine...

- First French flock for meat ewes and second for dairy ewes (Agreste, 2010)
- 7,100 regional jobs (FTE) associated with sheep farming and its related industries (Agreste NA, 2017),R
- Recognised quality labels linked to the region (CCP Baronnet, LR Diamandin, AOP Ossau-Iraty, LR-IGP Agneau de lait des Pyrénées,).



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Context and issues

- **but with sustainability issues to be resolved**
 - A lack of economic profitability on farms,
 - New social expectations (environmental impact, animal welfare, etc.),
 - The attractiveness of the profession needs to be enhanced
 - A dependence on inputs that needs to be brought under control
 - Adaptation and security in the face of climate change and hazards is essential: managing forage resources and the ability of animals to adapt (making the most of grass, robustness, etc.) require new solutions.

Aims: to co-construct innovative solutions for developing sustainable sheep farms, by directly involving farmers, advisors and various stakeholders in the sector.

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- ... **new production practices to be designed, involving strategic solutions**

Three levers of action to develop new, efficient and resilient sheep systems that combine economic, environmental and social performance

Propose new forage systems adapted to climate change and maximising grazing
(new resources, innovative grazing practices, etc.)

Reduce the use of feed(concentrates) **and sanitary inputs** (targeted treatments)

Increasing productivity to satisfy sector demand
(controlling fertility, lamb mortality and zootechnical performance)

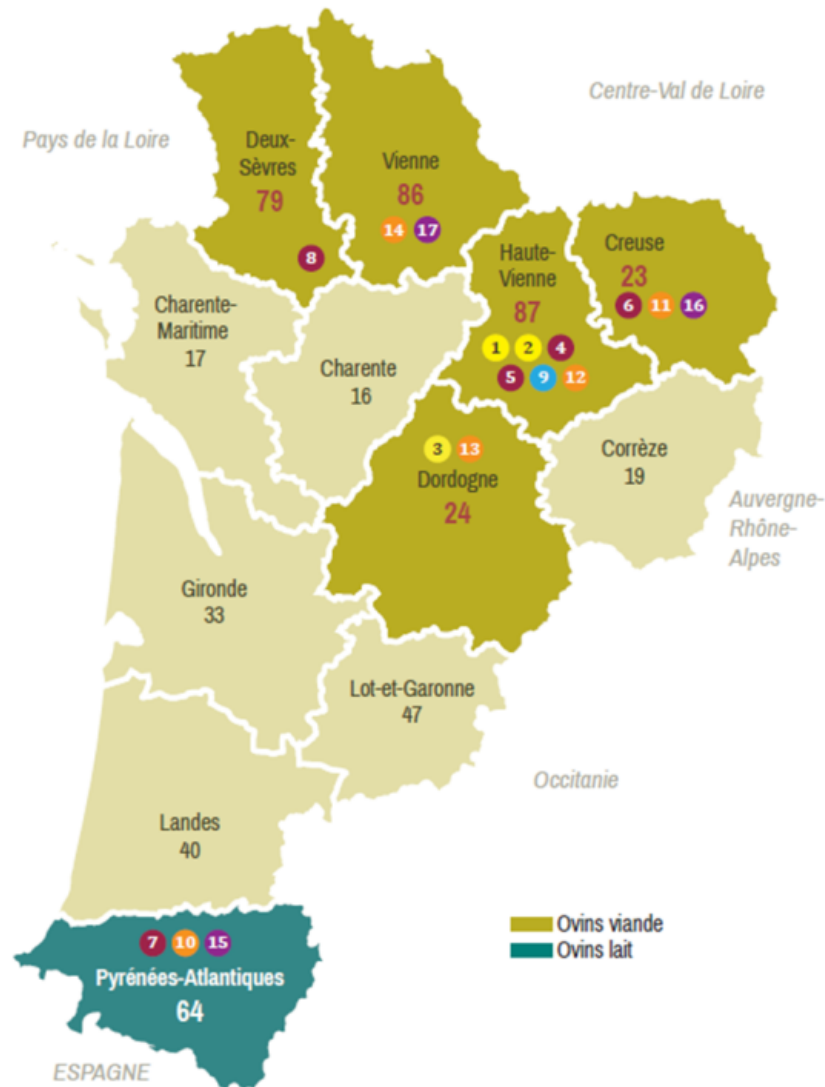
Seeking forage and protein self-sufficiency

while taking into account the consequences for working conditions, the farmer's economic results and product quality

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Action area and partnership



RECHERCHE ET INSTITUTS TECHNIQUES

- 1 Le Centre Interrégional d'Information et de Recherche en production Ovine (CIIRPO) Saint Priest Ligoure // 87
- 2 L'Institut de l'Élevage, Limoges // 87
- 3 Le CREO de Glane, Coulaures // 24

ORGANISATIONS DE PRODUCTEURS

- 4 LIMOVIN (87) Limoges // 87
- 5 Eleveurs Centre-Ouest OVIN (ECOOVI/87) Peyrat de Bellac // 87
- 6 Ovins Berry Limousin (OBL) La Souterraine // 23
- 7 Centre Départemental de l'Élevage Ovin (CDEO) Ordiarp // 64
- 8 Coop Agricole des producteurs de Viande (CAVEB) Partenay // 79

MAITRE D'ŒUVRE RÉGIONAL

- 9 Association Régionale Ovine de Nouvelle Aquitaine (ARONA) Limoges // 87

CHAMBRES D'AGRICULTURE

- 10 Pyrénées-Atlantiques Saint Palais // 64
- 11 Creuse Guéret // 23
- 12 Haute-Vienne Limoges // 87
- 13 Dordogne Périgueux // 24
- 14 Vienne Poitiers // 86

ENSEIGNEMENT

- 15 LEGTA de Pau Montardon // 64
- 16 EPLEFPA d'Ahun // 23
- 17 EPLEFPA de Montmorillon // 86

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Partnership and project organisation



- ▶ **1 Operational Group (OG):** composed of 1 or 2 members representing the partner organisations, the OG will generate innovative solutions (technicians, farmers, etc.).
- ▶ **8 Farmers' and advisors' group (FAG):** participants from partner organisations who will take part in the OG's discussions and guidelines. FAG set up within each sector and in targeted areas.
- ▶ **1 Innovation construction team:** a small group composed of experts in sheep production (CIIRPO, IDELE and other partners with complementary expertise), responsible for leading the OG, ensuring that the project runs successfully and, more specifically, for constructing the innovations identified.

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Choice of innovative solutions by FAG

FAG	Chosen topic	
	1	2
LIMOVIN	spring mating	shearing of grass-fed lambs
CAVEB	spring mating	colostrum quality
OBL	Teania deseases	Inter-farm grazing
CA 23		
CA 24	Pastoral practice A dry foot bath	Grazing of catch crops sheep shearing
CA 64		
CDEO		
CA 86	-	Summer forage production
CA 87	Connected drug gun	Mixed cattle/sheep grazing
ECOVI	Dolomite as a bedding material	Summer forage production

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FAG organisation and mission

For each innovative solution to evaluate, FAG has a roadmap including:

- The FAG's objectives
- An action plan for the duration of the project
- A schedule including the various stages and milestones
- The experimental protocol to be implemented
- And the expected results and deliverables

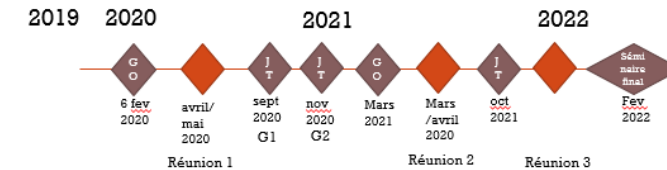
FEUILLE DE ROUTE - GROUPE PÂTURAGE CELLULAIRE ET PÂTURAGE DE LÉGUMINEUSES ET DÉROBÉES (G1)

- Objectifs du groupe
 - Créer un groupe qui va identifier et décrire des pratiques innovantes en lien avec le développement du pâturage tout au long de l'année
 - Hiérarchiser ces adaptations
 - Mettre en place es suivis de ces pratiques en les évaluant au niveau qualitatif et quantitatif

Plan d'actions sur deux ans

- Partage de connaissances sur le pâturage cellulaire et le pâturage des légumineuses+ dérobées
- Choix des pratiques à tester, mise en place et suivis en élevages
- Partage sur les suivis en élevage et retour d'expériences avec le groupe G2

Intervention d'expert prévu :
Alexandre CARRE (GNIS)
Shane BAILLAY (Patuesens)



Protocole de suivi de ces pratiques

- Méthodes et outils : suivi des tests en exploitation d'élevage et sur site expé
 - Suivi pâturage cellulaire et pâturage estival des légumineuses (luzerne; sainfoin) ou autres dérobées,
 - Pâturage de betteraves fourragères et sorgho fourrager : essai en plateforme à la SICA CREO

Résultats attendus

- Livrables
- Témoignage
 - Fiche sur la pratique testée
 - Vidéo

Le GEC va identifier des leviers d'actions et les mettre en place. Une évaluation des performances sera réalisée et des résultats seront collectés.



Methodology to evaluate innovative solutions

- To evaluate the innovative solutions, the OG followed the different steps below:

Identify innovative solutions among farmers with multi-performing practices in terms of agroecology

Compare new solutions with scientific knowledge

Capitalising on and making available innovative solutions for agro-ecological meat and milk production

Testing innovative solutions on pilot and experimental farms to determine the real conditions for implementation

Involve farmers in the choice of innovations/knowledge to be disseminated, ensuring that they are applicable and adopted.

Produce new production standards incorporating innovative solutions and disseminate them

**FAG
involvement**

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Assessment of the SO-Perfects project

- Finally, 15 innovative solutions were evaluated
- 122 farmers and their advisors took part in the development of these innovative solutions
- 93 pilot or experimental farms were involved
- The results were summarised in different supports:
 - ✓ technical leaflet
 - ✓ Slideshow
 - ✓ Posters
 - ✓ Press articles
 - ✓ Motion design
 - ✓ ...

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