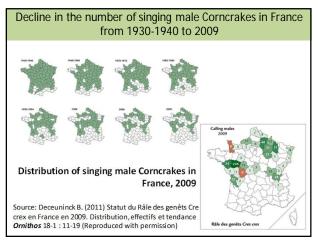
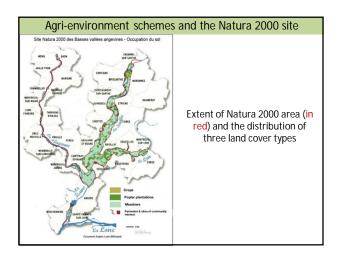


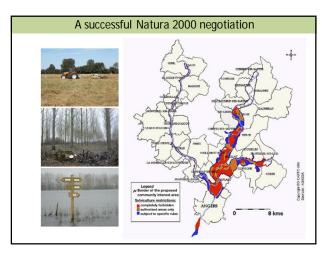


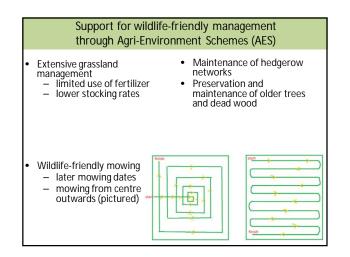
the breeding season A rose Longhorn beetles live in old ash trees traditionally coppiced for firewood production. E. Sechet













Local commercialisation and a labelling scheme

1997: Concerns about the future of livestock farming in the flood meadows

2001: "Angers Valleys Livestock Farmers Association" founded 2004: Registered trademark, publicity and promotion film made 2005: Difficulties in establishing regular production and sales 2008- - ?: Collaborative work between local wildlife protection association, agriculture extension services, farmers and meat sector 2018: 11 farmers, 6 sales points

l'Eleveur 🕅 l'Oiseau

The Farmers' promise:

- Conservation management of natural flood meadows;
- Feed livestock on grass/hay;
- Practice extensive agriculture & respect animals' well-being
- Practice wildlife friendly mowing
- Refrain from using pesticides in the flood meadows

Successes of this flood meadow farming system

- Natura 2000 provides a good general protection framework, supported by the Agri-Environment Schemes;
- Flood meadows maintain high levels of biodiversity including declining or threatened species;
- "Angers Valleys Livestock Farmers Association" continues to promote their wildlife-friendly agriculture and products;
- A new film (in French) made by the local BirdLife International partner (LPO) describes the current state of affairs.



Remaining challenges in the flood meadows

- Is agri-environmental action truly effective for biodiversity enhancement?
- How can AES's fixed mowing dates be staggered to avoid large areas being disturbed simultaneously?
- How can wood from hedgerows be exploited?
- How can aging trees and hedgerows be replaced?
- How can clear-cut poplar stands be effectively converted back to semi-natural grassland?
- How can farmer dependency on on EU payments be reduced?
 How can younger farmers be persuaded to invest in these challenging floodlands?





The Angers case illustrates HNV farmland issues



Angers are HNV farmlands that exist because they are difficult to farm intensively.

- Farming for biodiversity/nature values is a possible sustainable livelihood strategy in this context.
- Ongoing management requires outside financial support for the environmental services farmers provide.
- Farmers seek more autonomy and the development of local food systems, food labelling schemes, direct sales etc.

Resources and experts

Research on biodiversity (in particular breeding birds) in the Angers Flood Meadows, published in English:

Fourcade Y., Besnard A.G., Secondi J. 2017. Evaluating interspecific niche overlaps in environmental and geographic spaces to assess the value of umbrella species. Journal of Avian Biology. DOI: 10.1111/jav.01153

Besnard A.G., Fourcade Y., Secondi J. 2016 Measuring difference in edge avoidance in grassland birds: the Corncrake is less sensitive to hedgerow proximity than passerines. Journal of Ornithology, 157: 515-523.

Besnard A.G., Secondi J. 2014 Hedgerows diminish the value of meadows for grassland birds: Potential conflicts for agri-environment schemes. Agriculture Ecosystems & Environment 189, 21-27.

Publications in French :

Billaudeau, Valérie & Thareau, Bertille. (2010). « L'éleveur et l'oiseau » : rayonnement d'une démarche agro-environnementale innovante. Marché et organisations. 11. 155. 10.3917/maorg.011.0155.

Deceuninck B. (2011) Statut du Râle des genêts Crex crex en France en 2009. Distribution, effectifs et tendance *Ornithos* 18-1 : 11-19

Resources and experts

Local websites

The local farmers' website http://leleveuretloiseau.wixsite.com/boeuf49 The local BirdLife International partner website (LPO Anjou) http://www.lpo-anjou.org/lpo-anjou/sites-especes/

Experts

Joséphine Pithon j.pithon@groupe-esa.com

HINV

This presentation, produced by Joséphine Pithon at ESA Angers (http://www.groupe-esa.com/), has been provided for <u>HNV-Link</u> <u>project</u> to be included into the educational package on High Nature Value farming. Other resources of the education package are available <u>www.hnvlink.eu</u>.

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