

BiodiverCities

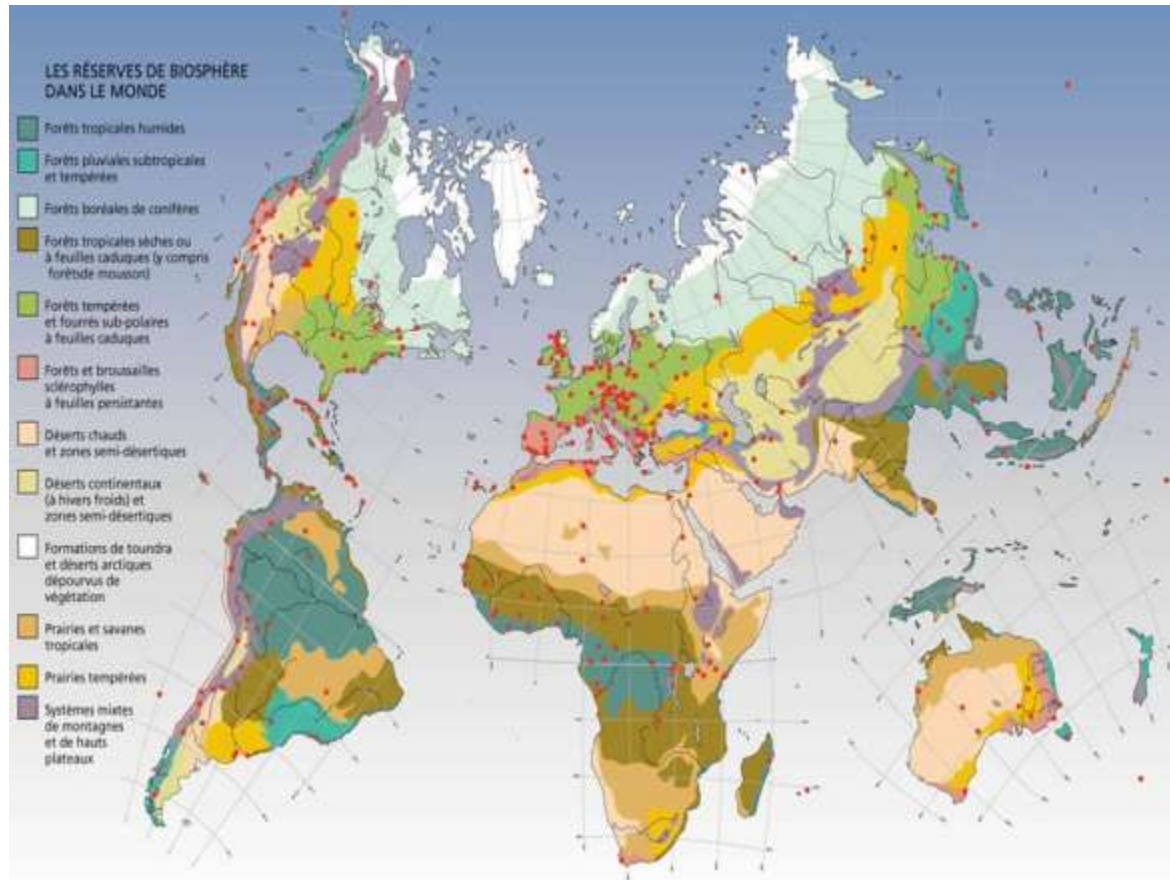
8th September 2010

La Rochette

A worldwide net

First Biosphere Reserves launched in 1971

551 BR in 107 countries - UNESCO programme MAB



In France, 10 Biosphere Reserves

Fontainebleau / Gâtinais - 1998
130 000 ha - 210 000 hab
Association loi 1901

Vosges du nord - 1988
130 000 ha - 83 000 hab
Parc Naturel Régional

Mont Ventoux - 1990
80 278 ha - 15 495 hab
Syndicat mixte

Mer d'Iroise - 1988
22 550 ha - 1196 hab
Parc Naturel Régional

Luberon - 1997
179 600 ha - 150 000 hab
Parc Naturel Régional

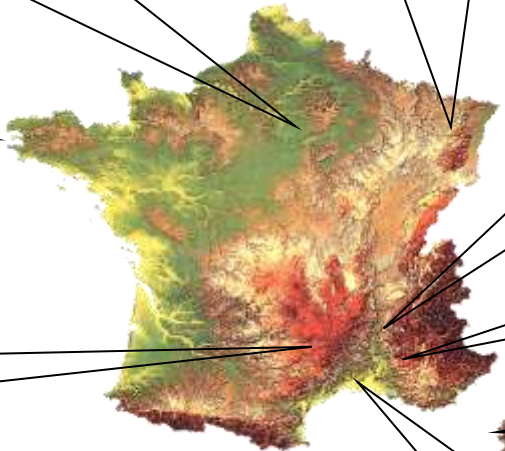
Cévennes - 1984
323 000 ha - 41 000 hab
Parc National

Vallée du Fango - 1977
23 500 ha - 400 hab
Parc Naturel Régional

Commune de Fakarava 1977
290 000 ha - 1 600 hab
Association loi 1901

Guadeloupe - 1992
246 762 ha - 179 000 hab
Parc National

Camargue - 1977
160 000 ha - 155 000 hab
Parc Naturel Régional



Reminder

Objectives of Seville strategy (1996):

- Implement the Biosphere Reserve concept
- Save natural and cultural biodiversity (**conservation**)
- Offer programmes that promote and explore sustainable development (**development**)
- Reinforce scientific research, monitoring, training and education. (**logistical support**)



Man lives in natural habitats.

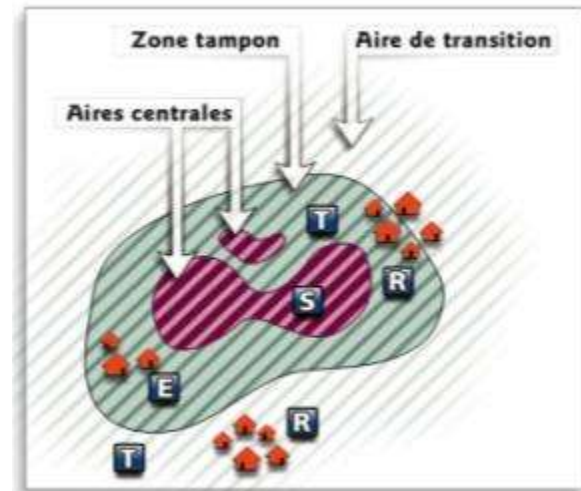
Sides must be taken : life with or versus Nature

Three zones:

Central areas (legally protected)

Buffer zone

Transition zone



Madrid action plan(2008-2013)

The MAB programme has adapted in order to respond efficiently to 3 new global problems:

- 1.The impact of climate changes on human society, economy and activities.**
- 2. The fast loss of biodiversity and cultural diversity.**
- 3. A soaring urban sprawl, causing environmental changes**

History of our BR

- Acknowledgement by UNESCO in 1998
- Coordination entrusted to ONF executive board
- Coordination Committee created in 2000
- Scientific Committee created in 2002-2003
- 2003 – 2005 : preparation of a management association of the Biosphere reserve by the Coordination Committee
- 2005 : Fontainebleau and Gâtinais Biosphere Reserve Association was created
- 2010 : renewal of UNESCO agreement for the next coming years



L' Association de la Biosphère de Fontainebleau et du Gâtinais

Founding members

(Regional and local communities):

Conseil Régional

Conseil Général de Seine-et-Marne

Conseil Général de l'Essonne

Communauté de Communes de
Fontainebleau-Avon

Office National des Forêts

Maison de l'environnement

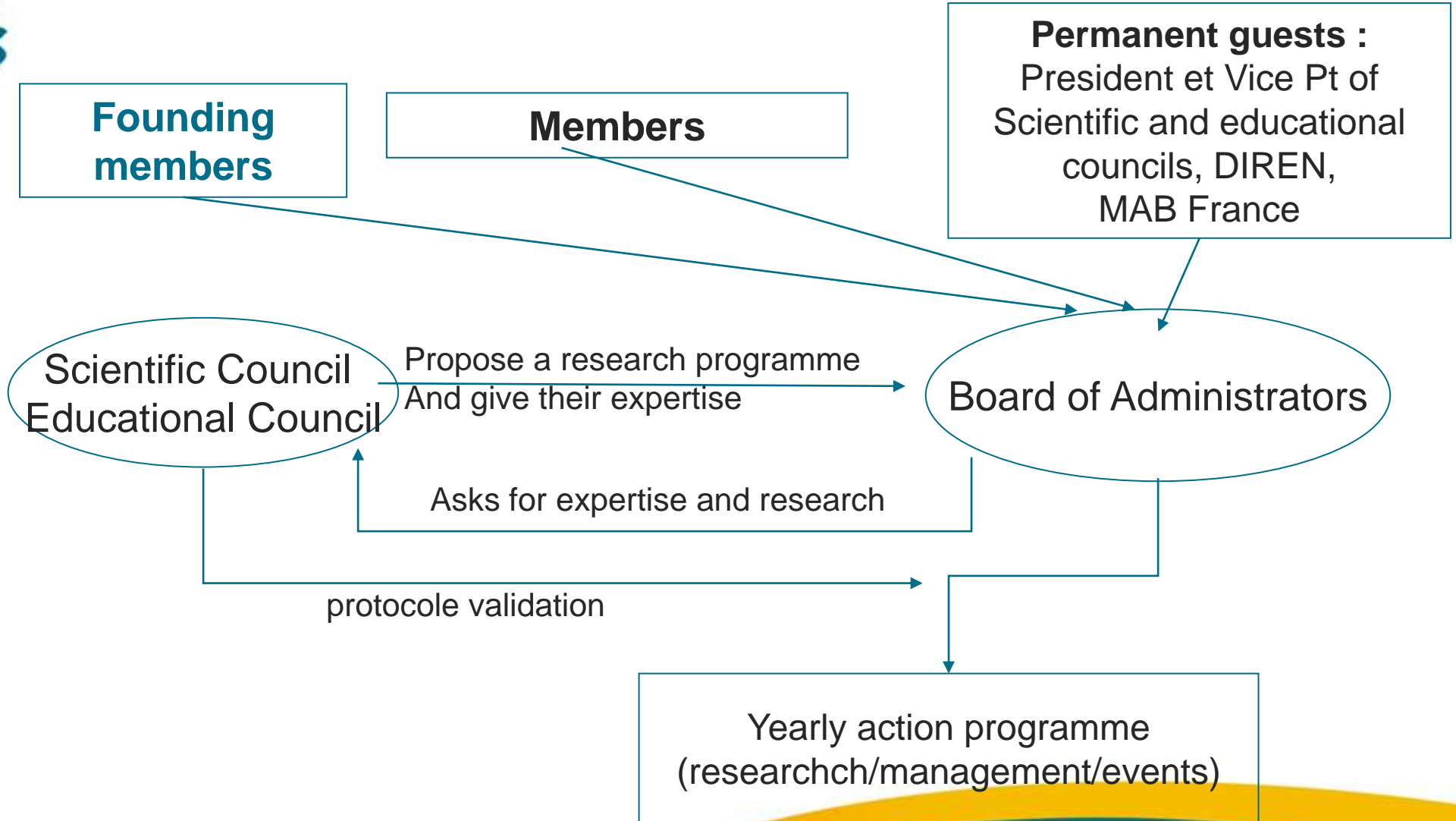
Ecole des Mines de Paris à Fontainebleau

Parc Naturel Régional du Gâtinais Français

Board of Administrators members :

- Université Paris 7 Diderot
- Conseil d'Architecture d'Urbanisme et d'Environnement
- Comité Départemental du Tourisme
- Chambre d'Agriculture
- Seine-et-Marne Développement
- Chambre de Commerce et d'Industrie

How it works...



Fontainebleau and Gâtinais Biosphere Reserve



- 60 km South of Paris

-150 544 hectares

Central areas : 34 197 ha.

Buffer zone : 23 122 ha.

Cooperation zones : 93 225 ha.

- 126 villages

- 267 665 inhabitants

The 3 zones of the biosphere reserve

A central area

with one or several legal statutes that allow conservation of :

- * landscapes,
- * ecosystems
- * species

A buffer zone

Clearly defined, surrounding the central zone.

Activities in this zone must comply with the objectives of the Central Area.

This zone includes

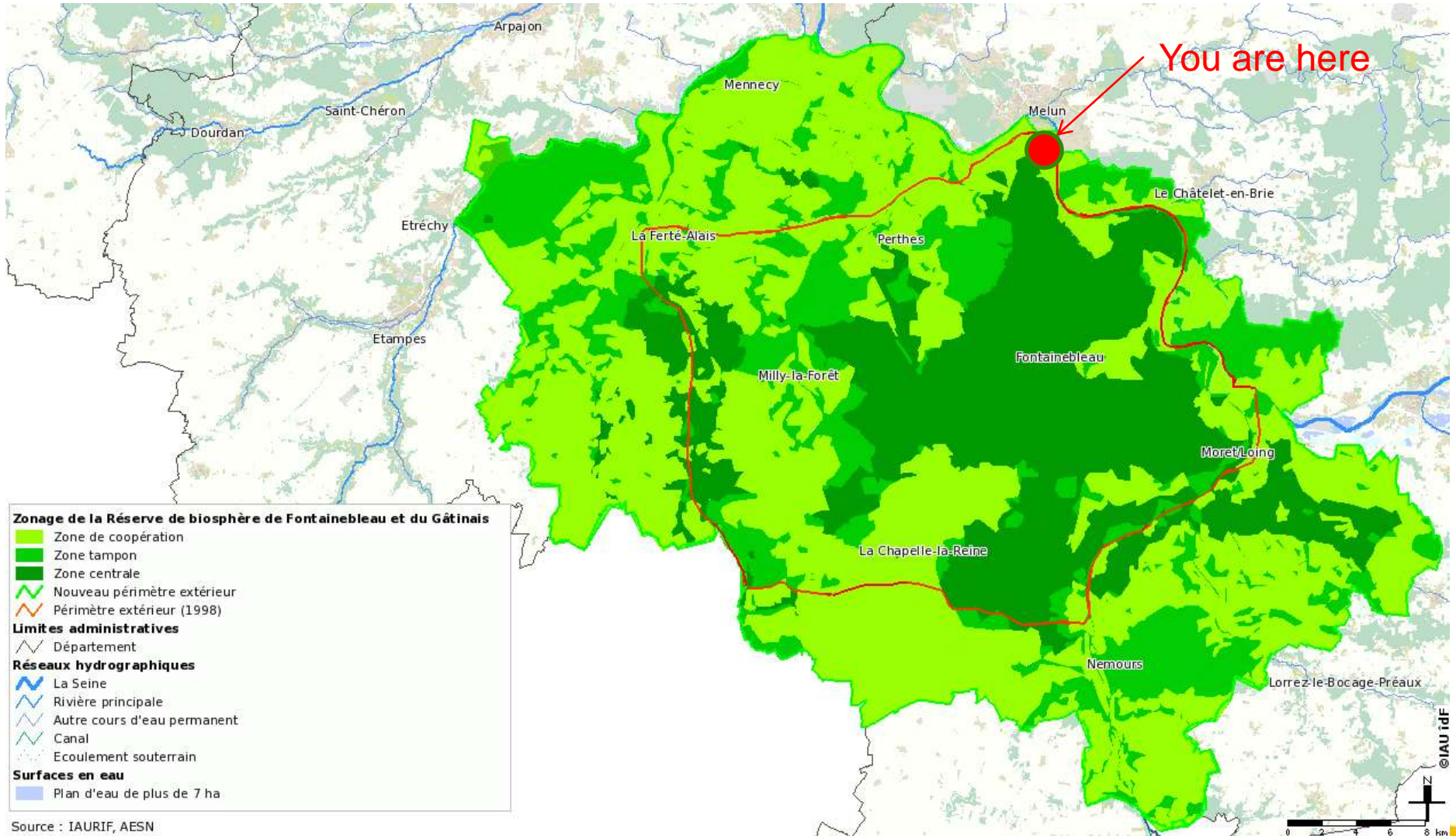
- * research,
- * Education,
- * training,
- * Tourism and leisure programmes.

A cooperation area

The place of most human activities.

- * Local populations,
- * elected members of the community,
- * organisms in charge of conservation,
- * scientists,
- * local associations,
- * natural et cultural heritage,
- * public and private companies and other partners are all involved in varying degree in the sustainable management of the territory.

Zoning of the Biosphere Reserve



Remarkable elements

5700 species of insects
of which 3000 Coleoptera

11 species of
reptiles

260 species
of birds

**6000 animal
species**

55
species of mammals

12 species of amphibians



Its specific biodiversity



500 algae

460 mosses and liverworts

675 lichens

**5 600 plant
species of which
1 350 flower
plants**

1350 phanerogams

2700 fungi

Examples of actions taken by our Biosphere Reserve

Equimeth :

- Who? Mines Paris Tech, Naskeo
- What? Research Programme
- How? Processing and adding value to horse manure

Product and Service Chart :

- A new approach that strengthens local community identity
- improves corporate image
- anticipates rules and regulations

Social Approach of biodiversity :

- **Research Programme implemented by BR**
- **Blue and green framework**
(Trame verte et bleue)

Eco-Tourism Center :

- Who? Comité Départemental du Tourisme 77
- What? Promotes Eco-tourism
- How? Supports professionals who aim at a sustainable tourism

Partnership between the National Forestry Corporation (Chili) and Fontainebleau et Gâtinais BR :

- Who? both reserves in urban settings
- What? Developing a good management of both reserves.
- How? Exchanging experience

Espaces Naturels Sensibles (governed by Conseil Général)

Assessment :

High pressure caused by urbanization (proximity of capital city Paris and suburbs) :
1 000 ha of natural and agricultural areas vanish each year because of urban sprawling.

2 tools :

- Buying land for conservation, using pre-emptive right or not.
- A territorial tax for *espaces naturels sensibles* (TDENS) deducted from building taxes

Total area acquired by Seine et Marne Département :
1 635 ha, and **4 000 ha** are pre-emption areas.

18 sites have been equipped and are open to the general public on a total area of about 1 000 ha.

Financing :

Taxe Départementale des Espaces Naturels Sensibles.

Rate : 2%, which represents an average of 5 000 000 € yearly.

Espaces Naturels Sensibles

(governed by Conseil Général)

Espaces Naturels Sensibles in an urban setting:

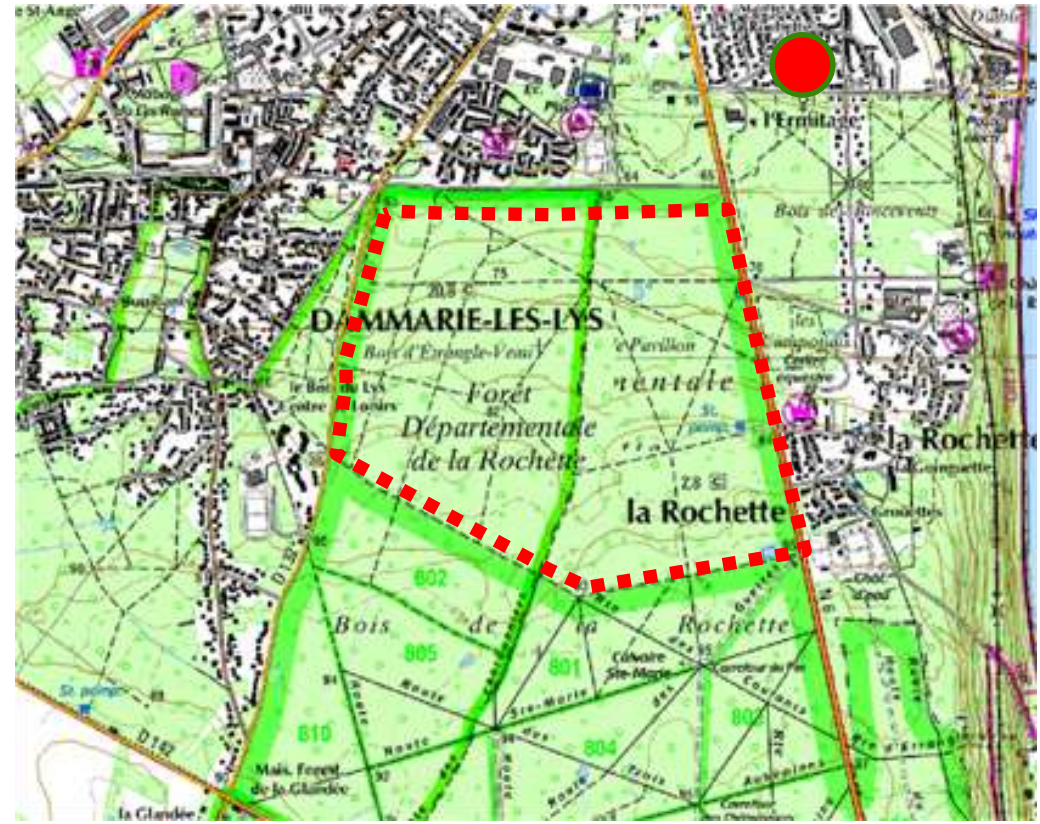
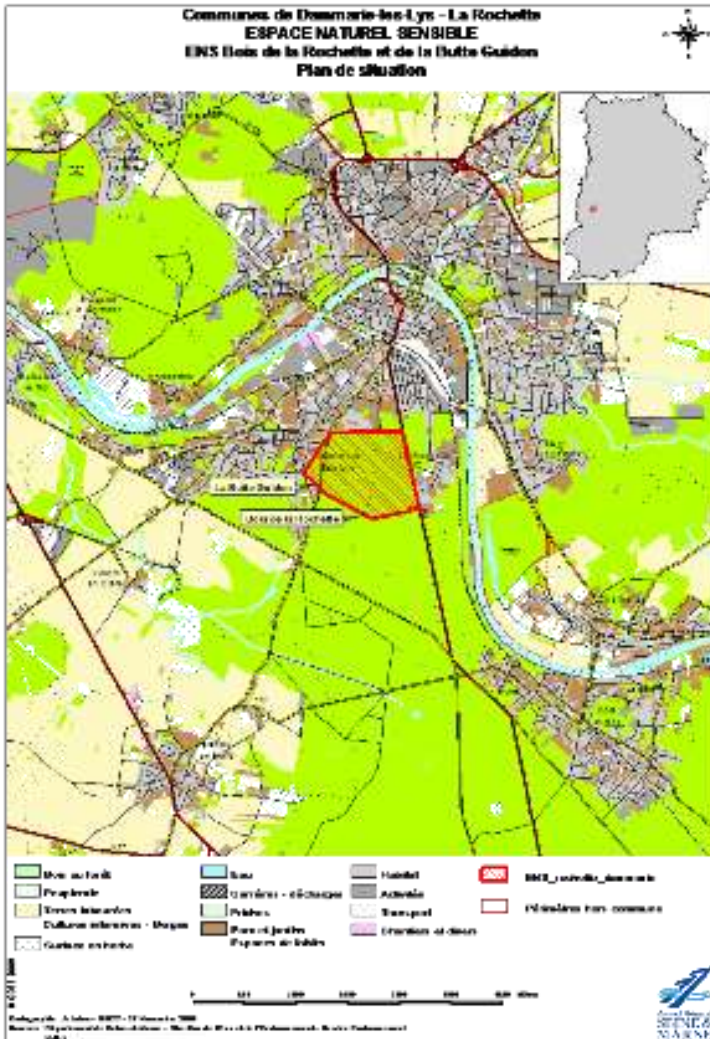
- Objectives : conservation and restoration of ecological continuity.
- All potential protected areas planned by *Schéma Départemental des Espaces Naturels Sensibles (SDENS)*.
- A leading role in increasing public awareness of biodiversity issues.



Example : ENS Bois de la Rochette

You are here

160 ha



Thank you for your attention

Mr. Jean DEY, President of *Réserve de Biosphère de Fontainebleau et du Gâtinais*

Vice-president of *Conseil Général de Seine-et-Marne*