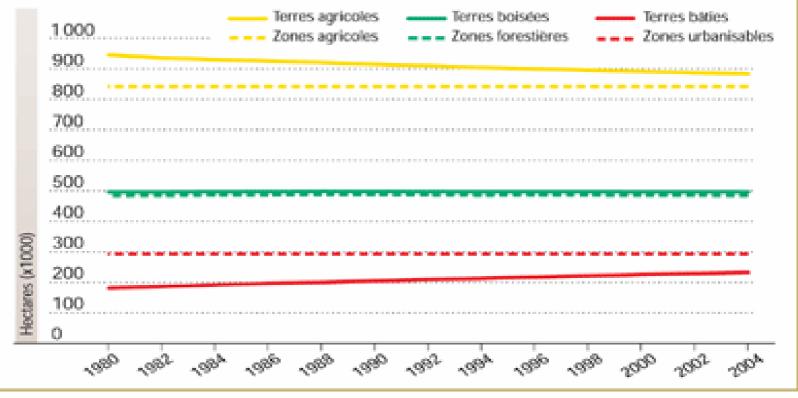
1. Land use

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1. Land use Areas of agricultural land, woodland and built areas compared with sector plan zones

FIGURE TERRIT 2-1

Superficies des terres agricoles, boisées et bâties, comparées aux zones d'affectation aux plans de secteur en Région wallonne



Source: CPDT (sur base des données cadastrales)

Natura 2000 :

30% of Wallonia's forests41% of the forests under public ownership

Habitat of Community interest : 69 % of N2000 area

« Luzulo-fagetum » beech stands : 56 % included in N2000 area

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2. Circular on forest resource management for publicly owned forests

Priority aims :

- conservation
- water protection
- soil protection

Conservation :

 Aim : conservation of rare or semi-natural formations
 Management : prefer irregular high forest prefer natural regeneration maintain companion tree species and bushes Water protection:

- Watercourses (2 x 25m): 10,000 ha (public)
 - Aims : illumination, physical-chemical quality, filtration and water treatment
 - Management : clear cutting < 200m
 drainage and chemical inputs prohibited
 low basal area
- Springs (15m)
 - Aims : See above
 - Management : no silviculture

- Water catchments (prevention zone + watershed)
 - - ☆ concentration and leaching of nitrates
 - Management : clear cutting drainage prohibited in prevention zone low basal area different ages

Soil protection:

- Hydromorphic soils with temporary and permanent water tables : 19% of Wallonia's forests
 - Aims : avoid rise in water table
 preserve soil structure
 ☆ acidification

• Peaty soils : 0.4% of Wallonia's forests

 Aims : avoid soil destruction guarantee biological value

– Management : no silviculture

- Sloping soils (> 15°): 15% of Wallonia's forests
 - Aims : avoid erosion soil structure
 - Management: clear cutting < 0.5 ha and < 1 ha low basal area

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3. Management standards to promote forest biodiversity for publicly owned forests

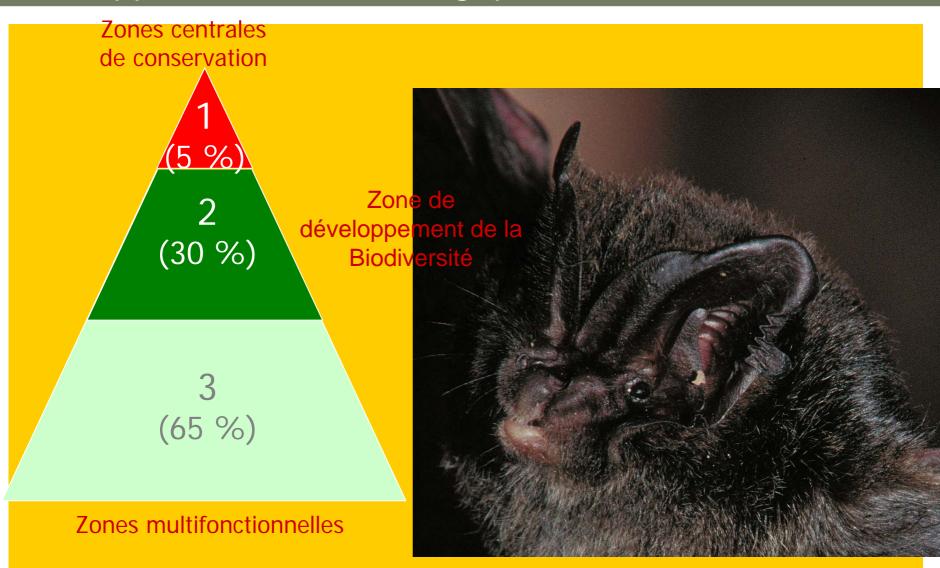


normes de gestion : des expériences à échanger...





développer un réseau écologique en forêt



- Composition of stands:
 - no replacement of semi-natural broadleaved stands by exotic species
 - preservation of companion species (cleaning, thinning)
 - natural regeneration
- Structure of stands and forms of management:
 - maintain coppices and coppices with standards
 - natural regeneration in oak and beech forests
 - irregular and mixed high forest mgmt schemes

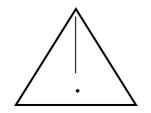
- Open areas, edges and interfaces :
 - cordon of shrubs ($\geq 10m$ wide) on the forest's edge
 - recommendation not to plant 10m along roads and paths in the forests
- *Dead and senescent trees:*
 - 2 large trees/ha
 - 1 tree of biological interest to reserve/2 ha (unusual size, hollow tree)
 - *¬exploitability size in zones 1 and 2*

- Protected areas in forest:
 - islands of conservation and forest reserves without active intervention
 -> 3% of area
 - managed forest reserves
 - coppices, coppices with standards, long rotation selection high forests
 -> 2% of area
- Logging and forestry work schedules
 - felling hardwoods and cleaning work; banned in April, May and June
 - no incineration of slash
 - water protection measures
 - stacking areas: along roads
 - late mowing of roadsides (1/8 ->)

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4. The big game problem

- Damage to stands : 17%
 - beech stands : 9%
 - spruce stands : 34%
 - Douglas fir stands : 24%
- Damage to spruce stands by volume : 13%
- Damage to natural regeneration : 28%
 - => economic losses and biodiversity losses



certification

- Measures concerning big game:
 - strict control to allow spontaneous regrowth of woody species
 - in zone 2 : no manmade feeding patches within 25m of a habitat of Community interest.
 - no manmade feeding patches within 25m of a watercourse
 - no dissuasive feeding of wild boar in habitats of Community interest or of ground-nesting species
 - merits of irregular and mixed high forests
 - in regular high forests :
 - -> spacing -> localised cleaning operations
 - -> heavy thinning

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- 5. Producing quality timber by opting for irregular and mixed forests
- Smaller investments
- Better resistance to parasites
- Better quality of humus
- Increased biodiversity
- Better landscape
- -> PRO SILVA

2006 targets : 10,000 ha

awareness raising

Producing quality timber by opting for regular forests

Major investments

-> must be more intensive to:

- improve stability
- improve the quality of the humus
- improve resistance to parasites
- -> must favour mixtures

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6. Seed Bank

• Species diversity :

- 32 forest tree species (sorbier, fusain, ...)
- <u>Gene diversity :</u>
 - [¬] diversity of provenances
 - harvest on > 20 trees/prov.
 - mixing of provenances from a provenance region





Seed Bank (Sales 1995-2006)

•Conifers

•16 species/more than 60 provenances

- 37.500.000 plants
- 18.500 ha

•Broadleaves

- 16 species/more than 60 provenances
- 18.000.000 plants
- 9.000 ha

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7. PEFC certification: regional progress plan

Development by a broad regional group (owners-managers, forest technicians, scientists, environment NGOs and users)

Examples of aims and actions:

Promote integrated forest resource management plans: definition and mapping of conservation areas

Keep chemical inputs in the forest (e.g., phytocides, pesticides and fertilisers) to the strict minimum.

Improve biodiversity in the forest on all levels

(genes, species and ecosystems)

Improve game management and forest-game equilibrium Promote selection and mixed hight forests

Verification of the plan's implementation by an outside auditor



PEFC Certification: the owner's commitment

Drafting of a sustainable forest management charter. Verification of implementation by field audits. Concerns 249,000 hectares (= 46%) of Wallonia's forests

- manage the forest so as to maintain, even restore, areas of special biological value;
- install adapted and sufficiently varied species;
- set up mixed stands;
- apply dynamic forestry techniques;
- leave old and dead trees in place;
- use biological and/or integrated protection method;
- use clear cutting with discernment only and never exceed an area of 10 ha for a single cut;
- use methods that ensure a better forest/game equilibrium.



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8. The Walloon Region's forays abroad

- MAURITANIA: extension of Nouakchott's green belt
 - 550 ha
- MOROCCO:
 - Maison de la Cédraie (Cedar Centre) at Ifrane
 - sustainable development indicators for the Middle Atlas
 - book on the Atlas cedar, Le Cèdre de l'Atlas
- ROMANIA: Nera virgin beech forest
- PERU: 20,000 ha





Mémoire du temps



MARDAGA





