



**Review of biodiversity research from Belgium
that directly contributes to the sustainable use
of biodiversity in Europe**
draft

By the Belgian Biodiversity Platform

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1. Introduction

This review of biodiversity research results from Belgium that directly contribute to the sustainable use of biodiversity in Europe is based on the BioBel reference database.

BioBel is a reference database developed by the Belgian Biodiversity Platform (an initiative of the Belgian Science Policy) that provides a unique and centralized access to the expertise and resources available in Belgium in the field of **biodiversity**. The database query tools allow users to freely retrieve accurate and up-to-date information on:

- institutions
- researchers
- projects and collections

A secured login system allows the research community to directly maintain and update his/her own data in BioBel.

BioBel content

The initial content of BioBel was based on existing sources of information:

- **BIODIV**, a former inventory of the resources concerning biodiversity available in Belgium
- **INVENT**, an inventory of the scientific potential in the Belgian public institutions developed by the Belgian Science Policy that gathers information from:
 - **CRef** (Conseil des Recteurs des universités francophones de Belgique) ,
 - **IWETO** (Inventaris van het Wetenschappelijk en Technologisch Onderzoek in Vlaanderen
 - **FEDRA**, a database of research actions funded by the Belgian Science Policy

In order to guarantee BioBel holds the most accurate and updated information, a self-managing system has been set up that allows the researchers to directly maintain and update their own data online through a secured login system. The first phase for direct update is currently carried out and will be completed by the end of 2007.

BioBel database complies with **CERIF 2004 data model** (<http://www.eurocris.org/en/taskgroups/cerif/>) which is recommended by the European Commission as a tool to harmonize databases on research projects.

2. Biodiversity research contributing directly to the sustainable use of biodiversity in Europe?

This national review (Belgium) made an analysis of the ongoing research in the field of the priorities addressed in objective 2 of COM 216 (2006).

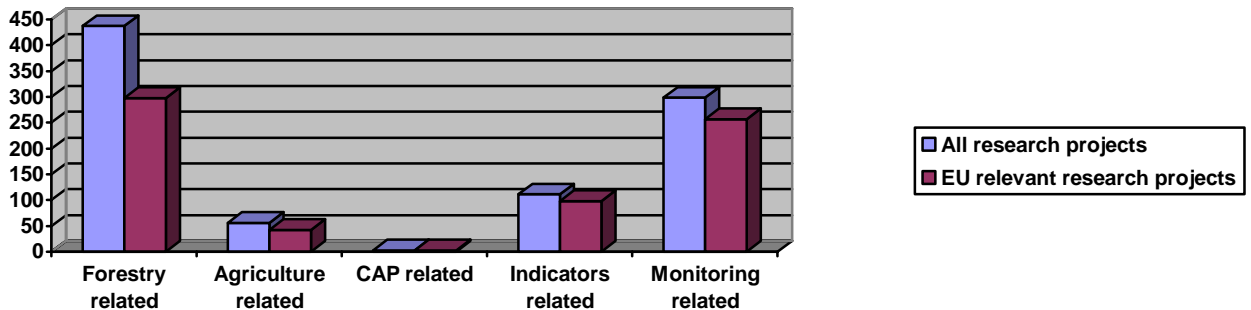
Specific attention is given to research carried out in the fields of:

- Identifying high value farmland (and forest) areas (Action A2.1.3)
- Influence of national plans of CAP implementation on biodiversity, including aspects of cross-compliance (Action A2.1.4)
- Develop indicators and monitoring schemes (Action A2.1.7)

We opted to study the mentioned priorities by studying five research themes:

- Forestry related research
- Agricultural related research
- CAP related research
- Indicators related research, and
- Monitoring related research.

Research projects in those fields (from 2000 onwards) are distributed as follows:



The graph above shows a significant difference between the numbers of research projects funded in the field of forest biodiversity compared with agricultural biodiversity related research (437 research projects in forest biodiversity related research versus 56 in agricultural biodiversity related research projects). In both areas almost two thirds of the research projects are directly or indirectly related with EU policies. One third of the research projects are not related to Europe (297 forestry biodiversity related research projects versus 42 agricultural biodiversity related research projects). Most of the research projects without an impact on Europe are carried out in tropical regions. Within the tropics Central Africa is by far the most common region where Belgian researchers are active.

Agricultural biodiversity is far less studied compared with forest biodiversity. Research projects in agricultural biodiversity in relation to the CAP is almost non-existent in the BioBel database. Only three research projects are studying the effects of the CAP on biodiversity. It is evident that all of them are relevant for Europe.

Research in biodiversity related indicators (111 research projects) is for almost 90% relevant to Europe (98 research projects). Biodiversity indicator research not relevant for Europe is especially carried out in Antarctica and Central Africa.

Very similar results were found in monitoring related research projects. Out of 298 research projects, 257 are relevant for Europe.

Within each of the above described research fields research projects vary from very environmental policy oriented research projects (e.g. the CAP related research projects) to research projects with very minor impacts on environmental policies.

3. Description of main findings of the selected studies

Because of the vast amount of research projects in the research fields covered by this national review it was not possible to summarize the findings of the research projects working in the above mentioned fields. However, within the three regions of Belgium (Flanders, Walloon region and Brussels Capital regions) reports on the state of nature and/or the environment are regularly published summarising the major research results in the field of biodiversity for their respective regions.

In 2001, the European Union set the challenging target of halting biodiversity loss by 2010. All regions regularly report on indicators related to the focal areas of the Convention on Biological Diversity and the EU biodiversity headline indicators, in order to track progress towards the achievement of the 2010 target. The following are the main findings in the research topics discussed in this national review for the three regions:

Flanders

- Datasets on the abundance and distribution of species in Flanders are strongly biased towards vertebrates and vascular plants. From the 3451 species assessed, 6 % are regionally extinct and 29 % are listed in the Red List categories of 'critically endangered', 'endangered' or 'vulnerable' species. Among the bird and mammal species listed under the Birds and Habitats Directives, 12 and 15 species respectively are on the Red List. The conservation status of species from heathland and farmland habitats is the most critical. In contrast, overall trends in forest and wetland species are positive.
- Flanders possesses 250.000 ha of semi-natural ecosystems (less than one fifth of the total area), of which 150.000 ha are forest and 60.000 ha are high nature value grassland. Fragmented data point towards a gradual evolution towards less open and more forested ecosystems.
- The total area of nature and forest reserves reached 29.700 ha or 2,2 % of Flanders in 2004, which remains far below neighbouring densely populated regions. The establishment of a Flemish Ecological Network, supported by nature areas with mixed use and nature corridor areas, aims to defragment nature and forest reserves and support the Special Protection Areas and the Special Areas of Conservation. Progress is far behind schedule.
- Only 1,2 % of the farmland area is covered by biodiversity-oriented agri-environmental schemes. Rules and incentives to stimulate sustainable

forestry are being put into practice. Forest owner groups and hunter associations are successful in involving private stakeholders in sustainable management. The road and waterway administrations are gradually expanding the length of verges with nature-oriented management.

Defragmentation projects on rivers are underway but far behind schedule.

- Continuous measurement of major biodiversity related indicators (CBD and EU related indicators)

Walloon region

- The agricultural sector, which covers half of the Walloon Region's surface area, is a major player when it comes to developing and managing rural areas. The pressures that it exerts on the environment depend on the speculations carried on and are linked mainly to the level of intensification of production (mechanisation, soil binding rates of animal husbandry, utilisation of mineral fertilisers and pesticides).
- The trend in land use patterns is to a reduction in the main crops providing winter cover (permanent grasslands, winter cereals). Farming is also concentrated on an increasingly small number of farms.
- At the current time, the main environmental problems stemming from agriculture are the risks of diffuse pollution due to nitrates in surface waters and groundwater, the need to maintain soil quality (erosion, organic matter content), and the conservation of biodiversity in agricultural areas.
- The latest Europe-wide reform of the Common Agricultural Policy (CAP) instituted the partial uncoupling from production, with compliance with environmental criteria being a determining factor, together with a refinancing of rural development actions. Proactive approaches and diversification are also encouraged, including support for organic farming, certification schemes and labels or even non-food crops.
- Together with the agricultural areas, forests are a major component of the rural area and landscape. They cover almost 545,000 ha, or one-third of the territory of the Walloon Region.
- Besides the production of wood, forests play many roles. They protect the ground from erosion, they preserve the quality of water, they are efficient at fixing carbon and they maintain forest biodiversity. They also represent a significant source of relaxation and revitalisation.
- In the Walloon Region, forests of spruce, oak and beech provide for most of wood production. Increased standing biomass for several years has outstripped lumbering resulting in a reserve of forest resources.
- In the current situation, over half the forestland of the Ardennes and Famenne is covered by mono-specific forest. This situation is the heritage of forest management mainly focused on production. It has however been slightly improving since 1980, with a small increase in mixed stands but in the same time, a decrease in stands of very mixed species (more than three species).
- The trees' bill of health remains worrisome despite an improvement for conifers. Beech is particular cause for concern since more than a third of beech trees over 60 years old presented, in 2004, a defoliation rate higher than 25 percent. The deterioration of the bill of health of that species, over the last five years, has been attributed, at least partly so, to extreme climatic events followed by attacks by insect pests.

Brussels Capital Region

- Monitoring schemes are in place for avifauna, herpetofauna, flora, mammals, fungi and moss, insects
- Special monitoring schemes for fox and squirrel

4. Conclusions

Main messages of the review (with a view on COM 216)

- High value farmland and forest areas are identified for the whole Belgian territory. There is adequate funding for research in this field. However there seems to be a need for more research in the field of agricultural biodiversity.
- Only very limited research efforts are made to evaluate national plans of CAP implementation on biodiversity, including aspects of cross-compliance. This can partly be explained by the time gap there always is between new policies, funding research towards the effectiveness of those policies and the availability of the results.
- While all three regions have developed indicator schemes as a response to the CBD in the EC, no unified monitoring scheme is existing. This is the case on as well the national as the regional level.

Gaps of knowledge and need for further research – in a national as well as European context

- While Belgium has a clear tradition of forest biodiversity related research there is an urgent need for more research related to agricultural biodiversity. Especially policy oriented research in function of recent EU initiatives (CAP) is rarely a topic of interest for universities and research organisations.
- In the field of forestry and agriculture Belgium has a long standing tradition of research in tropical areas, especially Central Africa. However, in more recent biodiversity related research topics, such as indicators and monitoring, Belgium could do more efforts.
- While indicators seem to be well developed there is an urgent need for a unified monitoring scheme as well on the national as on the regional level.
- While there is a lot of debate about the relation between the CAP, national agricultural policies and their relation to Natura 2000, almost no research is carried out on the impact of Natura 2000 on agricultural policies and vice versa.

5. References

Dumortier M., De Bruyn L., Hens M., Peymen J., Schneiders A., Van Daele T., Van Reeth W., Weyembergh G. and Kuijken E., 2005. Nature Report 2005. State of Nature in Flanders: Summary. Institute of Nature Conservation, Brussels.

De staat van het leefmilieu in het Brussels Hoofdstedelijk Gewest, 2002. BIM/IBGE

Environmental Dashboard of the Walloon Region, 2005

6. Annex: EU relevant research projects used in this national review

In the field of:

- Forestry related research
- Agricultural related research
- CAP related research
- Indicators related research, and
- Monitoring related research.

Project Name	Coordinating organisation	Coordinating laboratory	Coordinator
Forestry related research projects			
A faunistic, synecological and zoogeographical study of the spiders (Araneae) of Belgium	RBINS/IRSCNBKBIN	Insects and arachnomorphs	Wauthy Georges
'Agricultural Sector in the Member States and EU : econometric modelling for projections and analysis of EU policies on agriculture, forestry and the environment-AGMEMOD'	UCL	Unité d'économie rurale (ECRU)	Henry De Frahan Bruno
Analysis of withering of riverbanks and forest trees. Brutal mortality of beech in the forest and of alder along the river in the wallon region (southern part of Belgium). Monitoring and disase management.	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
A spatial Decision Support System using optimisation techniques and a geographical information system for multiple use forest management.	UGENT	Laboratory of Forest Management and Spatial Information Techniques	
Aspects of the intensive monitoring of forest ecosystems in Flanders.	UGENT	Laboratory of Forestry	
Assessment and management modelling of woody vegetation in a forest zone in southern Senegal	UGENT	Department of Plant Production	
Basic inventory of forest reserves in Flanders (Belgium): coordinator	IBW	Bosecologie en bosbehandeling	
Basic inventory of four forest reserves in Flanders (Belgium): Hallerbos, Bos Ter Rijst (Pepingen), Wijnendalebos and Beiaardbos	UGENT	Department of Forest and Water Management	
Beetle diversity and forest characteristics in Flanders (Belgium)	IBW	Bosecologie en bosbehandeling	
Biodiversity analysis in wild cherry (<i>Prunus avium</i> L., Amygdalaceae) population using RAPD markers	UCL	Unité de biochimie physiologique (FYSA)	Boutry Marc
Biogeochemical cycles of the mixed deciduous forest ecosystem (Aelmoeseneiebos, Gontrode, Oost-Vlaanderen) related to global change and sustainable development	UGENT	Department of Applied Ecology and Environmental Biology	
Biogeography and community ecology of carabid beetles (Coleoptera) in Belgium	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philippe, Van Impe Georges
Biogeography of bees and bumblebees (Hymenoptera Aculeata, Apoidea) in Wallonia (Belgium)	UMH	Zoologie	Rasmont Pierre
Biology and genetic population analysis of a european invasive forest species : <i>Prunus serotina</i> Ehrh.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Black alder (<i>Alnus glutinosa</i> , Betulaceae) autecology and adapted forestry for integrated humid forest management	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Broadening the public support for the planning, the implementation and the management of forests at the urban fringes in Flanders. Development of a communication model.	UGENT	Laboratory of Forestry	
Bryophyte floristics in Belgium and adjacent countries	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Bryophytes of Belgium and Europe	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Butterfly diversity loss in Flanders (North Belgium): Europe's worst case scenario?	UA	Laboratory of Animal Ecology	Matthysen Erik
Changes in biodiversity in relation to plantation duration of poplar trees, a case study with springtails (Collembola, Insecta) and herbaceous vegetation	UA	Evolutionary Biology Group	
Checklist, distribution and other information on the amphibians and reptiles of Wallonia and Belgium	CRNFB	Conservation de la nature	
Checklist, red list and other information on mammals of Wallonia (Belgium)	CRNFB	Conservation de la nature	

Chorological and floristic database of the vascular plants of Flanders (Belgium) (Floraregister)	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Chorology, taxonomy and systematics of european native orchidaceae	UCL	Unité de gestion logistique et modélisation	Fortz Bernard
Classification of habitats of Slovenia, Albania and FYROM	RBINS/IRSCNBKBIN	Biological evaluation	Devillers Pierre
Close-to-nature forest harvesting in forests on vulnerable soils	UGENT	Laboratory of Forestry	
Collection of slides of species and habitats in europe	UCL	Laboratoire d'écologie des prairies	Peeters Alain
Colonization of forest plants: relative importance of dispersal and habitat quality	KULeuven	Department of Land Management and Economics	
Common Agricultural Policy Strategy for Regions, Agriculture and Trade	UCL	Unité d'économie rurale (ECRU)	Henry De Frahan Bruno
Comparison of ecosystem functioning and biogeochemical cycles in temperate forests in Southern Chile and Flanders	KULeuven	Division Soil and Water Management	
Composition of faunal list of dragonflies, waterbugs and fishes of the military field in Tielen.	KULeuven	Animal Ecology and Systematics Section	
Consequences of changes in disturbance regime on the composition and dynamics of forests on rich soils.	KULeuven	Division Forest, Nature and Landscape Research	
Conservation, characterisation and usage of autochthonous gene sources of woody plants in Flanders (Belgium)	IBW	Genetische bronnen	
Conservation of bryophytes in Flanders (Belgium) with special emphasis on Red List	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Conservation of indigenous elm species (<i>Ulmus minor</i> , <i>U. glabra</i> and <i>U. laevis</i> , <i>Ulmaceae</i> , <i>Angiospermae</i>) in Flanders (Belgium)	IBW	Standplaatsonderzoek en bosuitbreiding	
Conservation plan for the Black Stork (<i>Ciconia nigra</i> , <i>Ciconiidae</i> , <i>Aves</i>) in Belgium	RBINS/IRSCNBKBIN	Biological evaluation	Devillers Pierre
Consistent assessment of LAI and quantification of spatial distribution of foliage in forest canopies based on digital hemispherical photography.	KULeuven	Division Forest, Nature and Landscape Research	
Contributions to the knowledge of the lichens and lichenicolous fungi of Belgium and W-Europe	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Contribution to the epigeal invertebrates study related to forest management (sylviculture) in south-east of Belgium	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philippe, Van Impe Georges
Co-ordination of the XYLOBIOS network and public awareness	CRNFB	Conservation de la nature	
Countryside management.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Defoliating caterpillars in forest ecosystems, mainly on oak (<i>Quercus robur</i> and <i>Q. petraea</i>) in Wallonia (Belgium)	FUSAGx	Laboratoire d'écologie	Mahy Grégory
Demography of forest rodents in fragmented landscapes	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Dendrology and floristics in Belgium	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Describing biophysical and optical characteristics of forests through computer modelling and visualisation.	KULeuven	Division Forest, Nature and Landscape Research	
Design of an ecosystem vision for woods and haeth in the sandy region of Flanders.	KULeuven	Division Forest, Nature and Landscape Research	
Development of a framework to evaluate forest expansion as a possibility to increase nature development in alluvial ecosystems	KULeuven	Department of Land Management and Economics	
Development of a conservation strategy for indigenous tree and shrub species in Flanders (Belgium)	IBW	Standplaatsonderzoek en bosuitbreiding	
Development of a decision support system to evaluate afforestation as a strategy for nature conservation in river valleys	KULeuven	Department of Land Management and Economics	
Development of a methodology for countryside survey for the biodiversity survey in Wallonia (Belgium)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques

Development of a monitoring methodology for strict forest reserves in Flanders (Belgium)	IBW	Bosecologie en bosbehandeling	
Development of artificial neural network techniques as a distribution-free approach to satellite image segmentation.	UGENT	Laboratory of Forest Management and Spatial Information Techniques	
Development of decision-making processes as part of a participating approach for sustainable forest management	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Development of indicators and indices for forest plant species diversity and the consequences of fragmentation on forest plant species in Flemish forests (Belgium)	KULeuven	Department of Land Management and Economics	
Development of indicators and instruments for sustainable forest management	KULeuven	Department of Land Management and Economics	
Development of informatic tools adapted to forest management.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Development of integrated indicators for the ecological aspects of sustainable forest management.	KULeuven	Division Forest, Nature and Landscape Research	
Development of nature-based decision support system for forest extension in river plains	UGENT	Department of Forest and Water Management	
Development of silvicultural orientations and programmes for broad-leaved and coniferous species in Walloon Region	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Development of traps for Hylecoetus dermestoides in beech-tree forests	FUSAGx	Unité d'Entomologie fonctionnelle et évolutive	Haubruge Eric
Developpement of decision-making processes as part of a participating approach for sustainable forest management	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Direct and indirect monitoring of natural and induced variability in leaf area index of forest communities.	KULeuven	Division Forest, Nature and Landscape Research	
Distribution of terrestrial Isopoda (Crustacea) in Belgium	RBINS/IRSCNBKBIN	Recent invertebrates	Wouters Karel
Distribution of the Belgian Chilopoda, Isopoda, Thysanura and Collembola (Insecta)	UGENT	Laboratory of Environmental Toxicology and Aquatic Ecology	Janssen Colin
Distribution of the red squirrel (Sciurus vulgaris) in the Brussels Capital Region - Effects of patch size, patch quality and patch isolation, taking the matrix between the patches into account by using the Cost Distance extension in ArcView	UA	Laboratory of Animal Ecology	Matthysen Erik
Distribution patterns and vulnerability for recreation of a selection of biological indicators in the Kempisch Plateau natural region (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick , Verheyen Rudi
Diversification of forest production: potentialities of the birch species <i>Betula pubescens</i> Ehrh., <i>Betula pendula</i> Roth (Betulaceae) and the black locust, <i>Robinia pseudoacacia</i> L. (Fabaceae)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Diversity, ecology and impact of bark beetles (Coleoptera: Scolytidae) and their natural enemies in Belgian deciduous forests	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Diversity (genetic, morphologic and phenologic) and mating systems of black poplar (<i>Populus nigra</i>): strategies for conservation of Black poplar and restoration of populations in the Meuse Valley (Flanders, Belgium)	IBW	Standplaatsonderzoek en bosuitbreiding	
Dolichopodidae (Diptera) as bio-indicators in nature conservation	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Dynamics of alluvial forests	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Early dynamic of the vegetation community and the natural regeneration in gaps, in beech mixed forests, in the Alsace region (France)	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Ecology and chorology of macro-fungi in the Belgian province of Luxembourg and neighbouring regions, with special attention for truffles (Tuberales)	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Ecology and chorology of vascular plants in the Belgian province of Luxembourg and neighbouring regions	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Ecology and Control of Forest Insects	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hautevill

Ecology and ethology of a particular Ladybird: <i>Coccinella magnifica</i> Redtenbacher (Coleoptera, Insecta)	UMH	Zoologie	Jean-Christophe, Hardy Olivier, Roisin Yves Rasmont Pierre
Ecology and ethology of Ladybirds (Coccinellidae, Coleoptera)	UMH	Zoologie	Rasmont Pierre
Ecology, distribution and control of the Coypu (<i>Myocastor coypus</i> Molina 1782) in Flanders (Belgium)	IBW	Wildbeheer	
Ecology, habitat affinity and zoogeography of Carabidae (Coleoptera) and Araneae in Belgium	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Ecology, habitat affinity and zoogeography of European Dolichopodidae (Diptera)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Ecology of ground beetles (Coleoptera) in forests in Flanders (Belgium)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Ecology of the hymenopteran parasitoids of <i>Ips typographus</i> and <i>Ips sexdentatus</i> (Scolytidae, Coleoptera, Insecta)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Ecology, specificity, taxonomy and systematics of Laboulbeniales (Ascomycetes, Fungi)	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Economic valuation of forest ecosystems	KULeuven	Department of Land Management and Economics	
Ecosystematic importance of microbial activities in the element cycle in forestial and aquatic systems	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Ectomycorrhiza of <i>Pinus sylvestris</i>	UHASSELT	Centre for Environmental Sciences	Vangronsveld Jaco
Editor of <i>Dumortiera</i> , a journal devoted to the flora and vegetation of Belgium	NBGB/ NPB/ JBNB	Department Spermatophyta and Pteridophyta	Robberecht Elmar
Effects of habitat fragmentation on dispersal and population dynamics of european red squirrels (<i>Sciurus vulgaris</i> L. 1758)	UA	Laboratory of Animal Ecology	Matthysen Erik
Effects of habitat fragmentation on the genetic variability of vertebrates in Belgium (Flanders) and Kenya (Taita Hills)	UA	Laboratory of Animal Ecology	Matthysen Erik
Effects of habitat fragmentation on the viability of forest plant populations: a demographic and genetic analysis.	KULeuven	Division Forest, Nature and Landscape Research	
Effects of site history on plant species diversity in forests (in Belgium and northern France)	KULeuven	Department of Land Management and Economics	
Elaboration norms for forest operations in Walloon Region	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Endangered ferns in Europe and West-Africa	UGENT	Pteridology	Viane Ronnie
European biodiversity forum - implementing the ecosystem approach (BIOFORUM).	KULeuven	Animal Ecology and Systematics Section	
Evaluating the financing of Forests in Europe (EFFE).	UGENT	Laboratory of Forestry	
Evaluating the structure of forest groups in several european countries: forest groups as an instrument to realise the policy objectives concerning multifunctional forest management.	UGENT	Laboratory of Forestry	
Evaluation of direct and indirect protections for forest plants against game	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Evaluation of management practices to optimise the ecological value of poplar plantations in Flanders (Belgium)	UA	Evolutionary Biology Group	
Evaluation of management tools to optimise the ecological value of poplar plantations.	UGENT	Laboratory of Forestry	
Evolutionary biology, taxonomy and biogeography of termites (Insecta, Isoptera)	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hauteville Jean-Christophe, Hardy Olivier, Roisin Yves
Evolutionary changes of morphology and behaviour in a woodland butterfly due to habitat fragmentation (I)	UA	Laboratory of Animal Ecology	Matthysen Erik

Evolutionary changes of morphology and behaviour in a woodland butterfly due to habitat fragmentation (II)	UA	Laboratory of Animal Ecology	Matthysen Erik
Evolutionary Genetics: Molecular phylogenetics and population genetics	ULB	Unité de génétique de l'évolution (UGE)	Milinkovitch Michel
Experimental and comparative research on the effects of trampling on vegetation and soil in different plant communities	KULeuven	Department of Land Management and Economics	
Exploitation of airborne laser scanning potentialities for DTM production under forest cover and forest mensuration.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_APP « Organic matter dynamics during a silvicultural cycle : organic carbon pools and reactivity, and fluxes in a time sequence of Fagus sylvatica L. stands growing on acid brown soils » - Classe_35	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_LOG « Organic matter dynamics during a silvicultural cycle : organic carbon pools and reactivity, and fluxes in a time sequence of Fagus sylvatica L. stands growing on acid brown soils » - Classe_47	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_SCI « Effects of canopy heterogeneity on the spatio-temporal variability of atmospheric inputs in mixed oak-beech stands » Classe_10	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_SCI « Effects of canopy heterogeneity on the spatio-temporal variability of atmospheric inputs in mixed oak-beech stands » Classe_A2	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_SCI « Influence of thinning grade on dry matter and element storage in the holorganic layers of even-aged spruce stands » Classe_15	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_SCI « In situ weathering study in a toposequence of soils on Famennian shales » Classe_5	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_SCI « Spatial modeling of foliar litter dynamics in mixed oak-beech stands » Classe_60	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest management	ULB	Aménagement du territoire, environnement et transport	Godart Marie-Françoise, Vanderm Christian
Forestry guidelines for precious broadleaves (ash, maple, cherry, indigeneous oaks)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Forestry guidelines for uneven-aged beech stands (Fagaceae, Angiospermae) in the perspective of natural regeneration	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Forests phytosociology of the Walloon Region (Belgium)	FUSAGx	Laboratoire d'écologie	Mahy Grégory
Game damage inventory in Wallonian forests (Belgium)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Genetic and ecological effects of forest fragmentation on populations of the spider Coelotes terrestris (Agelenidae, Araneae).	UGENT	Terrestrial Ecology	Lens Luc
Genetic diversity in forest plants with contrasting life strategies in Belgium	VUB	General Botany and Nature Management	Koedam Nico
Genetic diversity in natural plant populations	VUB	General Botany and Nature Management	Koedam Nico
Geophytes	UGENT	Pteridology	Viane Ronnie
Habitat characteristics influence pheromone-trap catches of Ips typographus (Scolytidae, Coleoptera) in Brussels (Belgium)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Herbarium of vascular plants of the Unit Management and Economics of Forests of Gembloux Agricultural University	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Historical ecological study of the Grotenhout forest.	KULeuven	Division Forest, Nature and Landscape Research	
Hydrological modeling as part of the land use impact category in life cycle assessment.	KULeuven	Division Forest, Nature and Landscape Research	

Hypoplasia in pigs from archaeological sites as an indicator of palaeoeconomy and palaeoecology.	KULeuven	Animal Ecology and Systematics Section	
Impact of ammonia-deposition on plant communities in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Impact of forest management systems on the biodiversity of three indicator groups (vascular plants, carabid beetles and breeding birds)	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Impact of heavy metals on the species diversity of mycorrhizal Fungi	UHASSELT	Centre for Environmental Sciences	Vangronsveld Jaco
Impact of silvicultural systems on biological communities in Walloon Region.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Impacts of fertilizers on the dynamics of fungi populations in forest ecosystems	FUSAGx	Laboratoire d'écologie	Mahy Grégory
Impacts of management on forest ecosystem stability: afforestation after clearcut	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Impacts of tree species on forest soils : nutrient dynamics, soil quality, microbial diversity and activity	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Increasing ecological value of the Sonian Forest of Brussels (Belgium) through small scale management in recently established nature reserves	VUB	General Botany and Nature Management	Koedam Nico
Indicators for plant species diversity and fragmentation impact there on in Flemish forests (Belgium)	UGENT	Department of Forest and Water Management	
Influence of the canopy structure heterogeneity on the spatio-temporal variability of atmospheric deposition in a mixed oak-beech stand	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Information system on biodiversity in Wallonia (Belgium)	CRNFB	Conservation de la nature	
Insects collection of the laboratory of Ecology and Biogeography (Catholic University, Louvain-la-Neuve)	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philippe, Van Impe Georges
Intensive monitoring of eight experimental forest stands for trees' health status, growth, soil conditions, atmospheric deposits and evolution of the herbaceous layer	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Interaction between ecosystems: Nature reserves and intensive agriculture; Research about the effect of elevated N-deposition on the N-balance of soils forest soils by means of delta15N-measurements.	UGENT	Laboratory of Applied Physical Chemistry	
Invasive bryophytes in Belgium	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Inventarisatie and identification of invertebrates as ecological indicators in Flemish forest reserves (Belgium)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Inventory and ecological diagnostic of protected species	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philippe, Van Impe Georges
Inventory and monitoring of butterflies and dragonflies (Odonata) in Wallonia (Belgium)	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philippe, Van Impe Georges
Inventory of the Asian chipmunk (<i>Eutamias sibiricus</i> , Laxmann 1769) in De Panne (Belgium)	UA	Laboratory of Animal Ecology	Matthysen Erik
Landscape ecology in the Brussels and Walloon region (Belgium)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Landscape ecology in the Lorraine and the Ardennes natural regions (Belgium, France)	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Liming and manuring in Norway Spruce, Beach and Oak Stands.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Limitations and threats associated with polyphagy in the predator <i>Thanasimus formicarius</i> (L.) (Cleridae, Coleoptera, Insecta)	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hauteville Jean-Christophe, Hardy Olivier, Roisin Yves
Long Term Vision for Nature Conservation in Flanders (Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick , Verheyen Rudi
Management of big game, especially red deer (<i>Artiodactyla</i> , Mammalia), habitat use in a GIS	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy

Management of nature reserves, mainly in Flanders (Belgium)	NBGB/ NPB/ JBNN	Section Algae and Mosses	
Management of private nature reserves and nature reserves of the Walloon Regional Government in the Gaume and the Ardennes natural regions (Belgium)	NBGB/ NPB/ JBNN	Flora of tropical Africa	
Management of private nature reserves and nature reserves of the Walloon Regional Government in the Lorraine and the Ardennes natural regions (Belgium)	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Management of the Wallonian plots of the European forest intensive and continuous monitoring network.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Management of urban forest semi-natural areas in the Brussels region (Belgium)	VUB	General Botany and Nature Management	Koedam Nico
Management of urban invasive species in Belgium	ULB	Service d'écologie sociale (USE)	Deneubourg Jean-Louis, Detrain C
Mapping of Natura 2000 sites	CRNFB	Conservation de la nature	
Measurements of biodiversity in parks in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Migration of forest plant species in a fragmented landscape: an ecological, population genetic and modelling approach	KULeuven	Division Forest, Nature and Landscape Research	
Migration of forest plant species through a fragmented landscape: integrating local demography and regional dispersal.	KULeuven	Division Forest, Nature and Landscape Research	
Mineral cycling in forested catchments: long term evolution, ecosystemic consequences of climatic events and of manipulations (liming, clear cutting, reforestation)	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Modeling spatial impact of tree species mixture on chemical characteristics of forest top soils	UGENT	Department of Forest and Water Management	
Modelling of growth of hol-overs of scots pine and of their influence on regeneration.	UGENT	Laboratory of Forest Management and Spatial Information Techniques	
Modelling of the 3D structure of forest canopies with laser measurements.	KULeuven	Division Forest, Nature and Landscape Research	
Monitoring and ecology of mustelids (Mammalia, Carnivora), other carnivores and confusable species in Flanders (Belgium)	IBW	Wildbeheer	
Monitoring of conversion of homogeneous pine stands into mixed stands of pine, oak and birch in the Kempen natural region (Belgium)	UGENT	Department of Forest and Water Management	
Monitoring of flora and vegetation in managed nature reserves in the Zoniën forest (Belgium)	VUB	General Botany and Nature Management	Koedam Nico
Monitoring of orchid populations in the Philippeville region	VUB	General Botany and Nature Management	Koedam Nico
Monitoring of species diversity and vegetation development in strict forest reserves as important reference tools for nature-based forest management	IBW	Bosecologie en bosbehandeling	
Monitoring of the fungal and lichen flora from the Brussels Capital Region	NBGB/ NPB/ JBNN	Section Fungi and Lichens	
Monitoring the sustainable use of game species in Flanders (Belgium)	IBW	Wildbeheer	
Monography of the fern genus Ceterach (Pteridophyta)	UGENT	Pteridology	Viane Ronnie
Morphological and molecular study of Lactarius sect. Deliciosi (Fungi, Russulales) and their ectomycorrhiza	UGENT	Mycology	Verbeken Annemieke
Morphology and systematics of copepods (Crustacea) of Belgium	RBINS/IRSCNBKBIN	Recent invertebrates	Wouters Karel
Multicriteria evaluation and comparison of integrated forest management alternatives	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Multidisciplinary management of the environment in marginal arid and semi-arid areas	FUSAGx	Laboratoire de toxicologie environnementale	Paul Roger
Mycorrhizal symbiosis of trees, mainly in Europe and Africa	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Mycosociology in forest biotopes	NBGB/ NPB/ JBNN	Section Fungi and Lichens	
Myxomycetes (Fungi) in Belgium, herbarium management and fieldwork	NBGB/ NPB/ JBNN	Section Fungi and Lichens	

Natural hybridization in the genus <i>Rhinanthus</i> (Scrophulariaceae)	UCL	Ecologie et évolution végétale	Jacquemart Anne-Laure, Wesselin Renate
Nature development study of the Zuidelijke Groenzone on the left bank of the river Scheldt (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick , Verheyen Rudi
Nature management in forest areas in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Nematode communities in forest soils	KULeuven	Laboratory of Phytopathology and Plant Protection	Coosemans Jef
Nitrification and denitrification in forest soils: molecular diversity of ammonia-oxidising bacteria and nitrate production	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Oak decline in forest ecosystems in Wallonia (Belgium)	FUSAGx	Laboratoire d'écologie	Mahy Grégory
Patterns of genetic variation in animal populations in fragmented habitats	UA	Laboratory of Animal Ecology	Matthysen Erik
Permeability of forest edges for non-forest plant species, related to anthropogenic and natural habitat variables.	KULeuven	Division Forest, Nature and Landscape Research	
Phylogeography, population and eco-genetics of European marine and terrestrial molluscs	RBINS/IRSCNBKBIN	Malacology	Van Goethem Jackie
Phytodiversity in relation with ecological and patrimonial values	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Phytopathological research on oak decline in the Flemish Region (Belgium)	KULeuven	Laboratory of Phytopathology and Plant Protection	Coosemans Jef
Pitfall monitoring of soil dwelling invertebrates and color traps for flying insects in Flemish forests (Belgium)	UA	Evolutionary Biology Group	
Pitfall monitoring of soil dwelling invertebrates in Flemish forests (Belgium)	UGENT	Terrestrial Ecology	Lens Luc
Plant species and soil dynamics across ancient-recent forest ecotones: consequences for ecological restoration	KULeuven	Department of Land Management and Economics	
Points and lines in the landscape (Belgium)	KULeuven	Department of Land Management and Economics	
Polluants of eel. Actual distribution of the swimbladder parasite <i>Anguillicola</i> in Flanders.	KULeuven	Animal Ecology and Systematics Section	
Population biology and genetics of <i>Sorbus aucuparia</i> (Rosaceae) in Europe	UCL	Ecologie et évolution végétale	Jacquemart Anne-Laure, Wesselin Renate
Population dynamics and zoonoses of the red fox (<i>Vulpes vulpes</i>) in Belgium	Ulg	Unité de recherche en Zoogéographie	Libois Roland, Michaux Johan
Population dynamics of earthworms (Lumbricidae)	ULB	Ecologie et systématique animale	Josens Guy, Tursch Bernard
Population dynamics of red deer (<i>Artiodactyla</i>) in Wallonia (Belgium)	CRNFB	Faune sauvage et cynégétique	
Postglacial recolonisation, phylogeography and genetic variability of forest rodents in Europe (Garden dormouse, wood mouse and yellow-necked woodmouse).	Ulg	Unité de recherche en Zoogéographie	Libois Roland, Michaux Johan
Potential impact of future climate change on forest plant species and their communities.	KULeuven	Division Forest, Nature and Landscape Research	
Potential impact of the introduced Asian chipmunk (<i>Eutamias sibiricus</i> , Laxmann 1769, Rodentia, Mammalia) on the breeding bird fauna in Belgium	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hauteville Jean-Christophe, Hardy Olivier,
			Roisin Yves
Preconditions for fast afforestation of a mound constructed out of consolidated brackish dredged material.	UGENT	Laboratory of Forestry	
Preparation of a catalogue of plant galls found in Belgium and northern France	Ulg	Unité de recherche et d'enseignement "Taxonomie végétale et biologie de la conservation	Sérusiaux Emmanuël
Preparation of a Red List of the marine, freshwater and terrestrial Molluscs of Flanders (Belgium)	RBINS/IRSCNBKBIN	Malacology	Van Goethem Jackie

Preparation of identification keys to African spider families and subfamilies	RMCA/ KMMA/ MRAC	Section Non-Insect Invertebrates	Jocqué Rudy
Public forest planning in Southern Belgium	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
QB.SWAIN.BAS: a software program for the identification of planting Eucalyptus species under specific climatological conditions	RMCA/ KMMA/ MRAC	Agriculture and Forest Economy Section	Moeyersons Jan
Quantitative analysis of the transpiration of forests in comparison to pasture and arable land.	UGENT	Laboratory of Forestry	
Regional recovery programs for Red List butterflies in the Mechelse Heide (Flanders, Belgium)	UA	Laboratory of Animal Ecology	Matthysen Erik
Relict populations along small landscape elements in Flanders (Belgium): from habitat characteristics analysis to dynamic modelling	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
Remote sensing and landscape stratification for monitoring biodiversity in Wallonia (Belgium)	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS ? Cat_APP "BEGo Build Environment for Gorillas" Classe_10 ESA/MRAC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_APP "Contribution of VHR satellite imagery for the forest management and monitoring" - RW-DGRE	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_APP "Use of VHR satellite data for forest cartography (FORECAST)" - Class_84 - OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "Forest species recognition and stand structure retrieval using multiangle hyperspectral data (CHRIS AO)" - Classe_92 - ESA-PRODEX	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "Mise au point d'une méthodologie de cartographie et de caractérisation des peuplements forestiers intégrant les images de très hautes résolutions spatiale et spectrale et des données auxiliaires" Cat_26 - UCL-FSR	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "Object-oriented change detection method for the forest monitoring based on comparison between high resolution satellite images" Classe_125 FRIA	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "TREES-Tropical forest experiment : seasonality monitoring" Classe_147-OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Reproduction of forest plants.	KULeuven	Plant Systematics and Ecology section	
Research and analysis interesting new information systems of Nature and Forest Division.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Research on the morphological and molecular diversity of roses and hawthorn	IBW	Genetische bronnen	
Response of forest ecosystems to atmospheric pollution: a dendroecological and dendrochemical approach	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
Sampling strategies for throughfall water in a mixed deciduous forest: a model-orientend approach.	UGENT	Laboratory of Forestry	
Scientific support to the implementation of the Natura 2000 network in Walloon.	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Scientific support for the permanent Walloon forest inventory.	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Seed dispersal by mowing and grazing in Flemish nature reserves (Belgium)	KULeuven	Department of Land Management and Economics	
Selection and breeding of noble hardwoods (Quercus, Prunus, Fraxinus) in Flanders (Belgium)	IBW	Standplaatsonderzoek en bosuitbreiding	
Selection, breeding and genetics of indigenous tree-forming willows (Salix sp.) in Flanders (Belgium)	IBW	Standplaatsonderzoek en bosuitbreiding	

Selection of noble hardwoods (Quercus, Prunus, Acer, Fraxinus) in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Site quality assessment using Dolichopodidae (Diptera)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Slide and photograph collection focused on pteridophytes (ferns and allies)	UGENT	Pteridology	Viane Ronnie
Social and ecological aspects of recreative trampling of various plant communities in Flanders.	KULeuven	Division Forest, Nature and Landscape Research	
Soil science	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
Environmental, social and economic feasibility of forest conversion	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
Spatial and temporal distribution of forest plant species in fragmented habitats in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Spatial ecology in conifer bark-beetles (Coleoptera)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Spatial ecology of forest and urban insect pest	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Spatial modelling of litter dynamic in mixed stand	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
SPSD II EV/15 XYLOBIOS: Diversity, ecology and roles of saproxylic organisms in Belgian deciduous forests	CRNFB	Conservation de la nature	
SPSD II EV/16 Linking dispersal, connectivity, and landscape structure to produce habitat evaluation/restoration guidelines	UCL	Biologie de la conservation des populations	Baguette Michel, Leboulengé Eric
SPSD II EV/28 MALUS: Studying apple biodiversity: opportunities for conservation and sustainable use of genetics resources	KULeuven	Laboratory of Plant Culture	
SPSD II MA/01 ECONET: Feasibility study of ecological networks: ecological, economic, social and legal aspects	UCL	Centre Entreprise-Environnement	Kestemont Marie-Paule, Tyteca D
Stand diversity does influence the reproductive success of the predator Thanasimus formicarius (Cleridae, Coleoptera, Insecta)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Status of wild Primula populations (Primulaceae, Angiospermae) in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Studies on the patrimonial and natural values of forest's successions : the subberries	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Study and elaboration of forestry techniques aiming to increase biodiversity	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Study of below-ground (root) competition between young seedlings of scots pine (Pinus sylvestris, Pinaceae) in natural regeneration	UGENT	Department of Forest and Water Management	
Study of changes in genetic structure of populations by comparing recent and historical DNA	UA	Laboratory of Animal Ecology	Matthysen Erik
Study of mixed natural regeneration in older scots pine (Pinus sylvestris, Pinaceae) plantation forests in Flanders sandy regions (Belgium)	UGENT	Department of Forest and Water Management	
Study of mixed natural regeneration of white birch (Betulaceae) and scots pine (Pinaceae)	UGENT	Department of Forest and Water Management	
Study of the abiotic and biotic environment of the valley of the 'Drie Beken' (Flanders, Belgium)	KULeuven	Division Forest, Nature and Landscape Research	
Study of the European landsnails (Gastropoda)	RBINS/IRSCNBKBIN	Malacology	Van Goethem Jackie
Study of the initial dynamic of the vegetation colonization in hardwood forest gaps	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Support for the basic material selection dedicated to the forest species reproduction in the Walloon Region	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Survey and monitoring of habitats in Wallonia (Belgium)	CRNFB	Conservation de la nature	
Survey and monitoring of sites of biological importance (SGIB) in Wallonia	CRNFB	Conservation de la nature	

(Belgium)

Survey and monitoring of species in Wallonia (Belgium)	CRNFB	Conservation de la nature	
Sustainable management at landscape level	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Systematic, ecology and chronology of lichenized and lichenicolous fungi in Belgium and surrounding areas	Ulg	Unité de recherche et d'enseignement "Taxonomie végétale et biologie de la conservation Insects	Sérusiaux Emmanuël
Systematics, phylogeny, biogeography and conservation of Staphylininae (Coleoptera, Insecta)	RBINS/IRSCNBKBIN		Grootaert Patrick
Systematic study of Dacryodes (Burseraceae, Angiospermae)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Taxonomy, adaptations, habitat and behaviour of oribatid mites (Oribatida); developmental stability in the spider mite Tetranychus urticae (Prostigmata)	RBINS/IRSCNBKBIN	Insects and arachnomorphs	Wauthy Georges
Taxonomy and ecogeography of lichenised and lichenicolous Fungi in Belgium, G.-D. Luxembourg and neighbouring regions, with emphasis on the ecology of the species of heavy metal rich sites, old forests and chalky soils	Ulg	Unité de recherche et d'enseignement "Taxonomie végétale et biologie de la conservation	Sérusiaux Emmanuël
Taxonomy and ecology of Myxomycetes (Fungi)	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Taxonomy of higher Fungi, mainly in Western Europe and West and Central Africa	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Taxonomy, systematics, palynology and chorology of the Bombacaceae worldwide	NBGB/ NPB/ JBNB	Flora of tropical Africa	
Teledetectie van vitaliteit van meerjarige planten.	KULeuven	Division Forest, Nature and Landscape Research	
Télé-détection - Cat_APP "Apport de la télé-détection spatiale à la caractérisation de la bonité des milieux forestiers pour les grands herbivores sauvages en Région wallonne" Classe_17 - SSTC	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Télé-détection - Cat_SCI "Exploitation des potentialités du laser aéroporté à balayage pour la production de modèles numériques de terrain sous couvert forestier et l'estimation de données dendrométriques" - RW-DGTRE	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Télé-détection - Cat_SCI "Tropical forest experiment : seasonality monitoring" - Classe_147 - SSTC-JRC TREES	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Texture and change detection in forest ecosystems.	KULeuven	Division Forest, Nature and Landscape Research	
The adaptive value of the bioluminescent behaviour in Glow-worms (Coleoptera: Lampyridae) and a survey of Glow-worm distribution in Belgium	UA	Laboratory of Animal Ecology	Matthysen Erik
The Influence of regional processes at the mesoscale on forest plant community composition: a test for the existence of metacommunity dynamics	KULeuven	Department of Land Management and Economics	
The new alder disease caused by a Phytophthora (Fungi)	CRA-W	Unité de phytopathologie	Chandelier Anne, Dekeyser Adrien, Lateur Marc, Steyer Stéphane
The perception of the ecological function of forests : attitudes of private forest owners in Flanders.	UGENT	Laboratory of Forestry	
The Red squirrel project - Monitoring of numbers and distribution of the Red squirrel (Sciurus vulgaris) in Flanders	IBW	Wildbeheer	
Thermic ecology of European lizards (Reptilia): a study of the effects of expected climate changes	UA	Laboratory of Animal Ecology	Matthysen Erik
The use of capture-mark-recapture data as an estimation of demographic parameter of forest rodent populations	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
The use of forest parasitoids as biodiversity indicators in spruce plantations (Pinaceae)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
The vegetation of the Sonian Forest (Brussels, Belgium): area covering	ULB	Service de botanique systématique et	Lejoly Jean, Tanghe Martin

vegetation mapping		phytosociologie (Sevetrop/Labosulb)	
Ticks (Ixodida, Acari) as vectors of Lyme disease in Belgium	UCL	Ecologie des interactions et contrôle biologique	Hance Thierry
Towards a better culture and management of larch stand (Pinaceae, Gymnospermae) in Wallonia (Belgium)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Tritrophic relationships in the system Picea sp.(Gymnospermae) - Dendroctonus micans (Coleoptera) - Rhizophagus grandis (Rhizophagidae)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Tritrophic relationships in the system Picea sp. (Gymnospermae) - Dendroctonus punctatus (Coleoptera) - Hapalaraea sp. (Coleoptera)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
Typology and management of private and public broad-leaved forests : sylvicultural orientations - demonstration network - popularization.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Urban ecology in the Brussels region (Belgium)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Use of ants in leaf-litter as bio-indicators	RBINS/IRSCNBKBIN	Biological evaluation	Devillez Pierre
Use of very high resolution satellite imagery for forest mapping applications - FORECAST	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Vegetation mapping of the valley of the river Demer (Flanders, Belgium)	KULeuven	Department of Land Management and Economics	
Vocatus of brocleaved stands of substitution for the original beech stands and suitable forestry treatments.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Water dynamic through the soil-plant-atmosphere continuum in the broader context of pedunculate oak decline (Quercus robur L.)	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Which forests are suitable for red squirrels (Sciurus vulgaris, Rodentia, Mammalia)?	UA	Laboratory of Animal Ecology	Matthysen Erik
Wiegning the pros and contras of forest extension as a scenario for nature conservation and development in valley areas.	UGENT	Laboratory of Forestry	
Wood anatomical and dendrochronological aspects of oak decline in the Flemish region (Belgium)	RMCA/ KMMA/ MRAC	Agriculture and Forest Economy Section	Moeyersons Jan
Woodland bryophytes of lowland Belgium	NBGB/ NPB/ JBNB	Section Algae and Mosses	

Agriculture related research projects

Biodiversity of carabid (Coleoptera, Insecta) fauna in agricultural ecosystems	UCL	Ecologie des interactions et contrôle biologique	Hance Thierry
Biodiversity of small landscape elements: influencing factors and functional processes, with special attention to the flora of hedgerow network landscapes.	KULeuven	Division Forest, Nature and Landscape Research	
Characterisation and identification of unusual pathogenic bacteria from human and animal origin	UGENT	Laboratory of Microbiology	
Collection of slides of species and habitats in europe	UCL	Laboratoire d'écologie des prairies	Peeters Alain
Colonization of forest plants: relative importance of dispersal and habitat quality	KULeuven	Department of Land Management and Economics	
Development of indicators and indices for forest plant species diversity and the consequences of fragmentation on forest plant species in Flemish forests (Belgium)	KULeuven	Department of Land Management and Economics	
Development of new agricultural techniques for a sustainable use of the	RBINS/IRSCNBKBIN	Biological evaluation	Devillez Pierre

environment

Dolichopodidae (Diptera) as bio-indicators in nature conservation	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Eco-hydrological study of the "De Putten" site	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick , Verheyen Rudi
Ecology, habitat affinity and zoogeography of Carabidae (Coleoptera) and Araneae in Belgium	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Ecology, habitat affinity and zoogeography of European Dolichopodidae (Diptera)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Effects of site history on plant species diversity in forests (in Belgium and northern France)	KULeuven	Department of Land Management and Economics	
European biodiversity forum - implementing the ecosystem approach (BIOFORUM).	KULeuven	Animal Ecology and Systematics Section	
General framework for the evaluation of the sustainability of Belgian agricultural systems - SAFE.	KULeuven	Division Forest, Nature and Landscape Research	
Integrated management tools for water bodies in agricultural landscapes (Manscape).	KULeuven	Animal Ecology and Systematics Section	
Integration of in situ and hyperspectral remote sensing data in the homework of monitoring and modelling vegetative production systems.	KULeuven	Division Forest, Nature and Landscape Research	
Landscape ecology in the Brussels and Walloon region (Belgium)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Naturalisation of alien vascular plants in Flanders (Belgium), post 1972	UGENT	Research Group Spermatophytes	Goetghebeur Paul
Permeability of forest edges for non-forest plant species, related to anthropogenic and natural habitat variables.	KULeuven	Division Forest, Nature and Landscape Research	
Propagation of seeds of native plants (grasslands and cereal weeds) from different regions in Wallonia (Belgium)	UCL	Laboratoire d'écologie des prairies	Peeters Alain
Relict populations along small landscape elements in Flanders (Belgium): from habitat characteristics analysis to dynamic modelling	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
Research and development of a decision support system for agricultural farms, development of a procedure to aggregate isofarms and island.	KULeuven	Laboratory of Plant Culture	
Research for restoration possibilities within a riverine valley in Flanders.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick , Verheyen Rudi
Roadside vegetation in the Walloon region (S-Belgium), in particular in the Upper Ardennes: phytosociology, ecology, pedology	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Seed dispersal by mowing and grazing in Flemish nature reserves (Belgium)	KULeuven	Department of Land Management and Economics	
Selection and implementation of a set of environmental indicators for the agricultural sector of Wallonia (Belgium)	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccai Edw
Site quality assessment using Dolichopodidae (Diptera)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Spatial and temporal distribution of forest plant species in fragmented habitats in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Spatial ecology in conifer bark-beetles (Coleoptera)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
SPSD II EV/13 Invasion and biodiversity in grasslands and field borders	UA	Research Group of Plant and Vegetation Ecology	
SPSD II EV/26 BIOCORE: Conservation and restoration of fragmented biodiversity hot spots: Calcareous grasslands of South-Belgium	KULeuven	Nature Conservation and Development	Hermly Martin
SPSD II EV/29 MANSCAPE: Integrated management tools for water bodies in agricultural landscapes	KULeuven	Laboratory of Aquatic Ecology	
SPSD II MA/01 ECONET: Feasibility study of ecological networks: ecological, economic, social and legal aspects	UCL	Centre Entreprise-Environnement	Kestemont Marie-Paule, Tytec Daniel
SPSD II MA/03 Sustainability of certified production systems : the case of labels in	UGENT	Department of Crop Protection	Sturbaut Walter

the food sector

Study of the botanical importance of small aquatic or marshy landscape elements, such as ditches, pools, etc. Analysis of their importance as parts in the structural defined biodiversity in agricultural landscapes

NBGB/ NPB/ JBNB

Flora of temperate regions

Vanhecke Leo

Systematic revision, phylogeny and zoogeography of world representatives of Achaucis (Dolichopodidae, Diptera)

RBINS/IRSCNBKBIN

Insects

Grootaert Patrick

The impact of habitat fragmentation and degradation on plant populations in an agricultural landscape.

KULeuven

Division Forest, Nature and Landscape Research

The Influence of regional processes at the mesoscale on forest plant community composition: a test for the existence of metacommunity dynamics

KULeuven

Department of Land Management and Economics

Urban ecology in the Brussels region (Belgium)

ULB

Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)

Lejoly Jean, Tanghe Martin

Vulnerable plant populations in agricultural landscapes: distribution, dispersal and genetic diversity as a basis for a functional habitat network.

KULeuven

Division Forest, Nature and Landscape Research

Water flow and sulfate transport in agricultural soils.

KULeuven

Division Soil and Water Management

Agriculture related research projects

'Agricultural Sector in the Member States and EU : econometric modelling for projections and analysis of EU policies on agriculture, forestry and the environment-AGMEMOD'

UCL

Unité d'économie rurale (ECRU)

Henry De Frahan Bruno

Common Agricultural Policy Strategy for Regions, Agriculture and Trade

UCL

Unité d'économie rurale (ECRU)

Henry De Frahan Bruno

REMOTE SENSING - AGRICULTURE - Cat_SCI "Etude pour l'amélioration du suivi agricole par la télédétection spatiale à petite et moyenne échelles en appui aux activités du Centre Commun de Recherche" - Classe_28 - SSTC-JRC

UCL

Unité d'environnement et géomatique (ENGE)

Defourny Pierre

Indicator related research projects

A biotic index of fish integrity (IBIP) to evaluate the ecological quality of lotic ecosystems - application to the Meuse River Basin (Belgium)

IBW

Wildbeheer

A faunistic, synecological and zoogeographical study of the spiders (Araneae) of Belgium

RBINS/IRSCNBKBIN

Insects and arachnomorphs

Wauthy Georges

'Agricultural Sector in the Member States and EU : econometric modelling for projections and analysis of EU policies on agriculture, forestry and the environment-AGMEMOD'

UCL

Unité d'économie rurale (ECRU)

Henry De Frahan Bruno

Application of the Diatom Biological Index (IBD) to water quality evaluation networks in Wallonia (Belgium)

FUNDP

Unité de recherche en biologie des organismes (URBO)

Micha Jean-Claude

Biodiversity conservation: survey, monitoring and management strategies

UCL

Unité d'écologie et de biogéographie (ECOL)

Wesselingh Renate

Biodiversity indicators and nature value in shallow lentic habitats in Flanders.

KULeuven

Animal Ecology and Systematics Section

Biodiversity indicators and sustainable management in parks

KULeuven

Department of Land Management and Economics

Biodiversity in shallow lakes (taxon diversity, genetic diversity, resting egg banks)	KULeuven	Laboratory of Aquatic Ecology	
Biodiversity in temporary aquatic habitats: species richness and genetic diversity in branchiopods	KULeuven	Animal Ecology and Systematics Section	
Biodiversity of marine benthic communities along ecological gradients.	UGENT	Marine Biology	Vincx Magda
Biodiversity of planktonic cyanobacteria in European freshwater lakes	Ulg	Centre d'ingénierie des protéines	Frère Jean-Marie
Biogeography and community ecology of carabid beetles (Coleoptera) in Belgium	UCL	Biodiversité à l'échelle locale et régionale	Dufrène Marc, Lebrun Philipp
			Van Impe Georges
Bioluminescence as a genetic marker	UCL	Laboratoire de Biologie Marine (BMAR)	Mallefet Jérôme
BIOMARE: Implementation and networking of large-scale long-term MARine BIODiversity research in Europe	UGENT	Marine Biology	Vincx Magda
Biomonitoring, faunistics, population genetics, bio-indicator research on carabid beetles (Carabidae, Coleoptera) in Belgium, with implications for nature conservation	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Calculating the biodiversity of regions in tropical Africa by means of the moth fauna (Lepidoptera)	RMCA/ KMMA/ MRAC	Section Entomology	De Meyer Marc
Catalogue of the new marine Harpacticoid Copepods (Crustacea)	RBINS/IRSCNBKBIN	Recent invertebrates	Wouters Karel
Centre of excellence in remote sensing of terrestrial ecosystem dynamics.	KULeuven	Division Forest, Nature and Landscape Research	
Characterization of habitat types for the biotopes scrub, roughage, pioneer vegetation, mantle and borderline vegetation	UGENT	Terrestrial Ecology	Lens Luc
Characterization of habitat types in Flanders for the biotopes coastal dunes, heathland, marshes, grasslands, mudflats and tidal marshes.	UGENT	Terrestrial Ecology	Lens Luc
Chorological and floristic database of the vascular plants of Flanders (Belgium) (Florabank)	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Colonization of forest plants: relative importance of dispersal and habitat quality	KULeuven	Department of Land Management and Economics	
Common Agricultural Policy Strategy for Regions, Agriculture and Trade	UCL	Unité d'économie rurale (ECRU)	Henry De Frahan Bruno
Compilation of chorological and floristic information on vascular plants in Flanders (Belgium) extracted from the Gent herbarium	UGENT	Research Group Spermatophytes	Goetghebeur Paul
Conservation policy and biodiversity in Flanders: the use of different species and of multi-species approaches	UA	Laboratory of Animal Ecology	Matthysen Erik
Data base cell	FUSAGx	Laboratoire d'aménagement des territoires	Feltz Claude
Development of a new assessment method for the water quality of rivers in the G.-D. Luxembourg based on the aquatic vegetation	Ulg	Unité "Eau et Environnement"	Vanderborcht Paul
Development of awareness tools for a sustainable use of pesticides	UCL	Unité de phytopathologie (FYMY)	Maraite Henri
Development of decision-making processes as part of a participating approach for sustainable forest management	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Development of indicators and indices for forest plant species diversity and the consequences of fragmentation on forest plant species in Flemish forests (Belgium)	KULeuven	Department of Land Management and Economics	
Development of indicators and instruments for sustainable forest management	KULeuven	Department of Land Management and Economics	
Development of integrated indicators for the ecological aspects of sustainable forest management.	KULeuven	Division Forest, Nature and Landscape Research	
Direct and indirect monitoring of natural and induced variability in leaf area index of forest communities.	KULeuven	Division Forest, Nature and Landscape Research	
Distribution and seed propagation of Zannichellia palustris (Zannichelliaceae, Monocotyledons) in the Brussels region (Belgium)	VUB	General Botany and Nature Management	Koedam Nico
Distribution patterns and vulnerability for recreation of a selection of biological	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick

indicators in the Kempisch Plateau natural region (Flanders, Belgium)			Verheyen Rudi
Dolichopodidae (Diptera) as bio-indicators in nature conservation	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Ecology, life-history strategies, faunistics and taxonomy of migrant birds	RMCA/ KMMA/ MRAC	Section Vertebrates	Louette Michel
Ecology of harpacticoid copepods (Crustacea): structural biodiversity in tropical seagrass beds	UGENT	Marine Biology	Vincx Magda
Effects of site history on plant species diversity in forests (in Belgium and northern France)	KULeuven	Department of Land Management and Economics	
Establishment of agro-environmental indicators	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccai Edouard
Evaluation of cropping systems on the development of wheat pathogens and research for better resistance to foliar blights.	UCL	Unité de phytopathologie (FYMY)	Maraite Henri
Evaluation of the 'Paardenmarkt' marine site (Belgium, North Sea)	UGENT	Laboratory of Aquaculture & Artemia Reference Center	
Experimental management of a limestone grassland in the Viroin Valley (Wallonia, Belgium)	CRNFB	Conservation de la nature	
'Fragmentation' in het Environmental Report Flanders.	KULeuven	Division Forest, Nature and Landscape Research	
General framework for the evaluation of the sustainability of Belgian agricultural systems - SAFE.	KULeuven	Division Forest, Nature and Landscape Research	
Habitat characteristics influence pheromone-trap catches of Ips typographus (Scolytidae, Coleoptera) in Brussels (Belgium)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
HABITAT: Intensive monitoring of the evolution of a protected habitat	UGENT	Marine Biology	Vincx Magda
Hydrological modeling as part of the land use impact category in life cycle assessment.	KULeuven	Division Forest, Nature and Landscape Research	
Hyperbenthic communities of beaches: structure and interactions with demersal fish and epibenthic macro-Crustacea	UGENT	Marine Biology	Vincx Magda
Hyperbenthic communities of the North Sea	UGENT	Marine Biology	Vincx Magda
Hypoplasia in pigs from archaeological sites as an indicator of palaeoeconomy and palaeoecology.	KULeuven	Animal Ecology and Systematics Section	
IBOY-DIVERSITAS: LITUS: Interactions of biodiversity, productivity and tourism on European sandy beaches	UGENT	Marine Biology	Vincx Magda
Identification, selection and development of an environmental indicator dashboard for Wallonia	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccai Edouard
Impact of forest management systems on the biodiversity of three indicator groups (vascular plants, carabid beetles and breeding birds)	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Implementation of indicators for measuring the environmental performance of firms and their contribution to sustainable development.	UCL	Unité de gestion logistique et modélisation	Fortz Bernard
Indicators and environmental data	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccai Edouard
Indicators for plant species diversity and fragmentation impact there on in Flemish forests (Belgium)	UGENT	Department of Forest and Water Management	
Indicators of biodiversity and nature value in shallow stagnant waters in Flanders.	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
Interactions between meiobenthic biodiversity (in casu Nematoda) and tourism on three European sandy beaches.	UGENT	Marine Biology	Vincx Magda
Inventarisatie and identification of invertebrates as ecological indicators in Flemish forest reserves (Belgium)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Landscape connectivity and the presence of bats in the landscape: a landscape model to support the development and evaluation of land management scenario's.	UA	Laboratory of Animal Ecology	Matthysen Erik
Landscape ecology in the Brussels and Walloon region (Belgium)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin

Measurements of biodiversity in parks in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Methodology of selection of indicators species of species assemblages	CRNFB	Conservation de la nature	
Phenotypic expression under environmental stress.	UA	Laboratory of Animal Ecology	Matthysen Erik
Platform "Indicators for sustainable development"	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccāi Edwin
Protocols for the Assessment and Conservation of Aquatic Life in the Subsurface (PASCALIS)	RBINS/IRSCNBKBIN	Freshwater biology	Goddeeris Boudewijn
Quaternary paleoecology of Flanders (Belgium)	UA	Polar Ecology, Limnology and Paleobiology	Beyens Louis
Reconstruction, monitoring and remediation of antropogenic impacts on freshwater environments based on the use of biological indicator species	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
REMOTE SENSING - AGRICULTURE - Cat_APP "Agriculture Monitoring by Remote Sensing in Walloon Region(SAGRIWATEL)" - Class_76 - OSTC	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Renewable energy indicators in Belgium	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Selection and implementation of a set of environmental indicators for the agricultural sector of Wallonia (Belgium)	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccāi Edwin
Selection and Implementation of a set of environmental indicators for the State of the Environment Report of Wallonia (Belgium)	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccāi Edwin
SPACE-TIME STATISTICS - Cat_SCI "Spatial prediction of soil properties: the Bayesian Maximum Entropy approach " Classe_BO UCL	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
SPSD II EV/15 XYLOBIOS: Diversity, ecology and roles of saproxylic organisms in Belgian deciduous forests	CRNFB	Conservation de la nature	
SPSD II EV/21 BALANS: Balancing impacts of human activities in the Belgian part of the North Sea	RBINS/IRSCNBKBIN	Department of Marine Ecosystem Management - Management Unit of the North Sea Mathematical Models	Pichot Georges
SPSD II EV/23 ECOTOX2: Effects of pollutants on benthic populations and communities of North Sea organisms	UA	Laboratory for Ecophysiology, Biochemistry and Toxicology	Blust Ronny, De Coen Wim
SPSD II EV/25 TROPHOS: Higher trophic levels in the Southern North Sea	UGENT	Marine Biology	Vincx Magda
SPSD II EV/26 BIOCORE: Conservation and restoration of fragmented biodiversity hot spots: Calcareous grasslands of South-Belgium	KULeuven	Nature Conservation and Development	Hermly Martin
SPSD II EV/38 SPEEK: Study of post extraction ecological effects in the Kwintebank sand dredging area	UGENT	Marine Biology	Vincx Magda
SPSD II EV/40 REFCOAST: Typology, reference condition and classification of the Belgian coastal waters	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick
SPSD II MA/03 Sustainability of certified production systems : the case of labels in the food sector	UGENT	Department of Crop Protection	Verheyen Rudi Steurbaut Walter
Structural and functional biodiversity of copepod (Crustacea) communities on the Belgian Continental Shelf (North Sea)	UGENT	Marine Biology	Vincx Magda
Structural and functional biodiversity of North Sea ecosystems	KULeuven	Laboratory of Aquatic Ecology	
Study of plant bio-indicators for water quality in surface waters	Ulg	Unité "Eau et Environnement"	Vanderborght Paul
Study of spatio-temporal distribution, habitat relation of some species in the river Meuse (Belgium)	FUNDP	Unité de recherche en biologie des organismes (URBO)	Micha Jean-Claude
Study of the abiotic and biotic environment of the valley of the Drie Beken (Flanders, Belgium)	KULeuven	Division Forest, Nature and Landscape Research	
Sustainable development: concepts, principles, practices	ULB	Centre d'études du développement durable (CEDD)	Stengers Isabelle, Zaccāi Edwin
System approach of sustainable farming	UCL	Unité d'écologie des prairies et des grandes cultures (ECOP)	Ledent Jean-François, Peeters Alain
The ecological importance of groynes and other hard substrates in the tidal area	UGENT	Phycology	Coppejans Eric

on the Flemish coast (Belgium), partim algae			
The ecological importance of groynes and other hard substrates in the tidal area on the Flemish coast (Belgium), partim macrozoobenthos	UGENT	Marine Biology	Vincx Magda
The use of bird feathers as bio-indicators for heavy metal pollution, and study of the effects of this pollution on reproduction and health status in small insectivorous songbirds.	UA	Laboratory for Ecophysiology, Biochemistry and Toxicology	Blust Ronny, De Coen Wim
The use of forest parasitoids as biodiversity indicators in spruce plantations (Pinaceae)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
The use of indicator species for conservation of habitat networks in Flanders (N-Belgium): a multi-species approach	UA	Laboratory of Animal Ecology	Matthysen Erik
Urban ecology in the Brussels region (Belgium)	ULB	Service de botanique systématique et phytosociologie (Sevetrop/Labosulb)	Lejoly Jean, Tanghe Martin
Use of ants in leaf-litter as bio-indicators	RBINS/IRSCNBKBIN	Biological evaluation	Devillers Pierre
Use of diversity-indices as indicators for sustainable development	UGENT	Department of Applied Ecology and Environmental Biology	
Use of sclerosponges (Porifera) as biorecorders of environmental changes	RBINS/IRSCNBKBIN	Malacology	Van Goethem Jackie

Monitoring related research projects

Analysis of withering of riverbanks and forest trees. Brutal mortality of beech in the forest and of alder along the river in the walloon region (southern part of Belgium). Monitoring and disase management.	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Application and development of evolutionary algorithms for the optimisation of predictive models of macroinvertebrates in rivers.	UGENT	Laboratory of Plant Ecology	
Application of AFLP technique for the genetic resources conservation of a model plant with a mixed mating system (Lima bean) and test of sampling strategies for the set up of core collection	FUSAGx	Unité de phytotechnie tropicale et horticulture	Baudoin Jean-Pierre
Appraisal of the role of nutrients and water stress in the changes of crown conditions for Oak and Spruce stands.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Aspects of the intensive monitoring of forest ecosystems in Flanders.	UGENT	Laboratory of Forestry	
Basic inventory of forest reserves in Flanders (Belgium): coordinator	IBW	Bosecologie en bosbehandeling	
BeBIF: Belgian National Node of GBIF	ULB	Bioinformatique (BIOINFO)	Colet Marc, Herzog Robert
Beetle diversity and forest characteristics in Flanders (Belgium)	IBW	Bosecologie en bosbehandeling	
Behavioural and evolutionary ecology of newts and salamanders	Ulg	Laboratoire d'éthologie des poissons et amphibiens	Denoël Mathieu
Biodiversity analysis in wild cherry (<i>Prunus avium</i> L., Amygdalaceae) population using RAPD markers	UCL	Unité de biochimie physiologique (FYSA)	Boutry Marc
Biodiversity and ecology of Neotropic Dolichopodidae (Diptera)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Biodiversity conservation: survey, monitoring and management strategies	UCL	Unité d'écologie et de biogéographie (ECOL)	Wesselingh Renate
Biodiversity in an arctic ecosystem: role of dispersal, colonization and resistance to climatic extremes	UA	Polar Ecology, Limnology and Paleobiology	Beyens Louis
Biodiversity indicators and sustainable management in parks	KULeuven	Department of Land Management and Economics	
Biodiversity in shallow lakes (taxon diversity, genetic diversity, resting egg banks)	KULeuven	Laboratory of Aquatic Ecology	
Biodiversity of ground arthropod (Invertebrata) communities in urban environment	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau

Biodiversity of marine benthic communities along ecological gradients (Part I)	UGENT	Protistology & Aquatic Ecology	D'hauteville Jean-Christophe, Hardy Olivier, Roisin Yves
Biodiversity of microbial mats in Antarctica: partim Cyanobacteria	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
Biodiversity of planktonic cyanobacteria in European freshwater lakes	Ulg	Centre d'ingénierie des protéines	Frère Jean-Marie
Biogeography of Sphecidae (Hymenoptera, Insecta) of western Europe	UMH	Zoologie	Rasmont Pierre
Biological water quality assessment	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Biology of African Diplopoda (Insecta)	RMCA/ KMMA/ MRAC	Section Non-Insect Invertebrates	Jocqué Rudy
Bio-manipulation and restoration of lakes and ponds	KULeuven	Laboratory of Aquatic Ecology	
Bio-manipulation of fishing waters.	KULeuven	Animal Ecology and Systematics Section	
BIOMARE: Implementation and Networking of large-scale long-term Marine Biodiversity research in Europe	UGENT	Marine Biology	Vincx Magda
Biomonitoring and restoration ecology of the river Scheldt (Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Biomonitoring, faunistics, population genetics, bio-indicator research on carabid beetles (Carabidae, Coleoptera) in Belgium, with implications for nature conservation	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Biotic indexes of rivers in Wallonia and Brussels (Belgium), using macro-invertebrates	ULB	Ecologie et systématique animale	Josens Guy, Tursch Bernard
Bird monitoring, mainly in France	UCL	Biologie de la conservation des populations	Baguette Michel, Leboulengé
Breeding systems: the case of a short-living perennial alternatively outbreeder-inbreeder, <i>Phaseolus lunatus</i> L. (Fagaceae), and its consequences for germplasm conservation	FUSAGx	Unité de phytotechnie tropicale et horticulture	Baudoin Jean-Pierre
Bruikbaarheid van driehoeksmossel voor de monitoring van de kwaliteit van oppervlaktewater.	UA	Laboratory for Ecophysiology, Biochemistry and Toxicology	Blust Ronny, De Coen Wim
Butterfly diversity loss in Flanders (North Belgium): Europe's worst case scenario?	UA	Laboratory of Animal Ecology	Matthysen Erik
Centre of excellence in remote sensing of terrestrial ecosystem dynamics.	KULeuven	Division Forest, Nature and Landscape Research	
Characterisation of sediments in Flemish (Belgium) water courses	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Checklist and other information on the dragonflies of Wallonia (Belgium)	UCL	Biologie de la conservation des populations	Baguette Michel, Leboulengé
Chemical water quality assessment of the Kleine and Grote Nete river-basins, on behalf of management and protection of fish-stocks.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Chorological and floristic database of the vascular plants of Flanders (Belgium) (Florabank)	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Chorological and floristic database of the vascular plants of Flanders (Belgium) (Floraregister)	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Chorology and vegetation analyses of water- and marsh plants, especially from the Belgian polders	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Chorology, taxonomy and systematics of European native orchidaceae	UCL	Unité de gestion logistique et modélisation	Fortz Bernard
Ciliate diversity in shallow lakes in Flanders (Belgium) and the Netherlands	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
Close-to-nature forest harvesting in forests on vulnerable soils	UGENT	Laboratory of Forestry	
Colonisation patterns and processes of reconstructed brackish tidal marshes.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Compared modelling of climate influence on Black Grouse (<i>Tetrao tetrix</i> , Galliformes, Aves) populations dynamics in Europe	Ulg	Musée de Zoologie	Loneux Michèle

Conservation of bryophytes in Flanders (Belgium) with special emphasis on Red List	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Conservation policy and biodiversity in Flanders: the use of different species and of multi-species approaches	UA	Laboratory of Animal Ecology	Matthysen Erik
Conservation Targets for Special Areas of Conservation (SAC) and Special Protection Area (SPA)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick
Coordination of information related to the Convention on Biological Diversity	RBINS/IRSCNBKBIN	CBD National Focal Point	Verheyen Rudi
Coordination of the realisation of a ground water measuring network in the Flemish Natuyre Reserves suitable for developing a signal map of desiccation.	UGENT	Terrestrial Ecology	Van Goethem Jackie
Co-ordination of the XYLOBIOS network and public awareness	CRNFB	Conservation de la nature	
Crop and soil monitoring as a tool in precision farming.	KULeuven	Laboratory of Phytopathology and Plant Protection	Coosemans Jef
Demography of forest rodents in fragmented landscapes	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Development and application of neural network models predicting macroinvertebrate communities for assessment and restoration.	UGENT	Laboratory of Plant Ecology	
Development of a methodology for countryside survey for the biodiversity survey in Wallonia (Belgium)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Development of a monitoring methodology for strict forest reserves in Flanders (Belgium)	IBW	Bosecologie en bosbehandeling	
Development of an integrated wetland monitoring scheme for the assessment of the effects of desiccation, acidification and eutrophication on ecosystem structure and function.	KULeuven	Division Soil and Water Management	
Development of indicators and indices for forest plant species diversity and the consequences of fragmentation on forest plant species in Flemish forests (Belgium)	KULeuven	Department of Land Management and Economics	
Development of indicators and instruments for sustainable forest management	KULeuven	Department of Land Management and Economics	
Development of integrated indicators for the ecological aspects of sustainable forest management.	KULeuven	Division Forest, Nature and Landscape Research	
Direct and indirect monitoring of natural and induced variability in leaf area index of forest communities.	KULeuven	Division Forest, Nature and Landscape Research	
Distribution and seed propagation of <i>Zannichellia palustris</i> (Zannichelliaceae, Monocotyledons) in the Brussels region (Belgium)	VUB	General Botany and Nature Management	Koedam Nico
Distribution of alien crustacean species in Belgium	RBINS/IRSCNBKBIN	Recent invertebrates	Wouters Karel
Distribution patterns and vulnerability for recreation of a selection of biological indicators in the Kempisch Plateau natural region (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick
Diversity, systematics, ecology and zoogeography of Rotifera	UGENT	Terrestrial Ecology	Verheyen Rudi
Dolichopodidae (Diptera) as bio-indicators in nature conservation	RBINS/IRSCNBKBIN	Insects	Lens Luc
Dynamics of alluvial forests	Ulg	Unité "Surveillance de l'environnement" (SE)	Grootaert Patrick
Early dynamic of the vegetation community and the natural regeneration in gaps, in beech mixed forests, in the Alsace region (France)	UCL	Unité des eaux et forêts (EFOR)	Nicolas Jacques
Ecological evaluation of water courses in Flanders (Belgium)	UA	Ecosystem Management Research Group	Devillez Freddy
Ecological genetics and population genetics of zooplankton	KULeuven	Laboratory of Aquatic Ecology	Janssens Ivan, Meire Patrick
Ecological monitoring of a coastal defense project	UGENT	Marine Biology	Verheyen Rudi
Ecological typology, assessment and evaluation of lentic freshwaters in Flanders (Belgium)	UA	Polar Ecology, Limnology and Paleobiology	Vincx Magda
Ecology and conservation of hygrophilous butterflies in the Ardenne natural region	UCL	Biodiversité à l'échelle locale et régionale	Beyens Louis
			Dufrêne Marc, Lebrun Philipp

(Wallonia, Belgium)			Van Impe Georges
Ecology, distribution and control of the Coypu (<i>Myocastor coypus</i> Molina 1782) in Flanders (Belgium)	IBW	Wildbeheer	
Ecology, life-history strategies, faunistics and taxonomy of migrant birds	RMCA/ KMMA/ MRAC	Section Vertebrates	Louette Michel
Ecology of harpacticoid copepods (Crustacea): structural biodiversity in tropical seagrass beds	UGENT	Marine Biology	Vincx Magda
Ecology of marine benthic protozoa, species composition of ciliate communities	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
Ecology, specificity, taxonomy and systematics of Laboulbeniales (Ascomycetes, Fungi)	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Ecosystem vision of some tributaries of the Dender river (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Ecosystem vision of the valley of the A-beek (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Ecosystem vision of the valley of the Grote Nete (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Ecosystem visions of valley ecosystems in Flanders (Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Ecotoxicology, pathology and trophic position of marine mammals of European coasts	Ulg	Laboratoire d'océanologie	Bouquegneau Jean-Marie
Editor of <i>Dumortiera</i> , a journal devoted to the flora and vegetation of Belgium	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Effects of habitat fragmentation on the genetic variability of vertebrates in Belgium (Flanders) and Kenya (Taita Hills)	UA	Laboratory of Animal Ecology	Matthysen Erik
Endocrine disruption in the estuarine mysid <i>Neomysis integer</i> (Mysidacea, Crustacea)	UGENT	Laboratory of Environmental Toxicology and Aquatic Ecology	Janssen Colin
Environmental impact assessments in river waters using benthic diatoms attached on artificial substrates	VUB	General Botany and Nature Management	Koedam Nico
Environmental impacts of land use change	UCL	Unité de géographie (GEOG)	
Environmental technology for sustainable water treatment.	UGENT	Laboratory of Applied Physical Chemistry	
Evaluatie van 'stress gene'-testen voor de toxicologische monitoring van zuiverings- en productieprocessen in de milieu- en de voedingssector.	UA	Laboratory for Ecophysiology, Biochemistry and Toxicology	Blust Ronny, De Coen Wim
Evaluation and use of beneficial insects in fields vegetable corps	FUSAGx	Unité d'Entomologie fonctionnelle et évolutive	Haubruge Eric
Evolutionary biology, taxonomy and biogeography of termites (Insecta, Isoptera)	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hauteville Jean-Christophe, Hardy Olivier, Roisin Yves
Evolutionary Genetics: Molecular phylogenetics and population genetics	ULB	Unité de génétique de l'évolution (UGE)	Milinkovitch Michel
Faunistics, ecology, zoogeography, biomonitoring, Red data lists of Diptera in Belgium	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Floristics, mainly in Wallonia (Belgium) and French Lorraine	NBGB/ NPB/ JBNB	Flora of tropical Africa	
Floristics of the Macromycetes (Fungi) of Belgium, mainly Flanders	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Forest ecosystems - cat_APP « Organic matter dynamics during a silvicultural cycle : organic carbon pools and reactivity, and fluxes in a time sequence of <i>Fagus sylvatica</i> L. stands growing on acid brown soils » - Classe_35	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Forest ecosystems - cat_LOG « Organic matter dynamics during a silvicultural cycle : organic carbon pools and reactivity, and fluxes in a time sequence of <i>Fagus sylvatica</i> L. stands growing on acid brown soils » - Classe_47	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Freshwater fish database	IBW	Vispopulatieonderzoek	

Freshwater fisheries and ecology	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Freshwater macrozoobenthos biodiversity and assessment of the biological quality of watercourses in Wallonia (Belgium)	CRNFB	Faune piscicole et qualité biologique des eaux	
Fruit tree genetic resources and disease resistance	CRA-W	Unité de phytopathologie	Chandelier Anne, Dekeyser Adrien, Lateur Marc, Steyer Stéphane
Fungal biodiversity, and its relationship to plant biodiversity	UCL	Unité de phytopathologie (FYMY)	Maraite Henri
Game damage inventory in Wallonian forests (Belgium)	FUSAGx	Unité de gestion des ressources forestières et des milieux naturels	Rondeux Jacques
Genetic diversity of willows (Salicaceae)	VUB	General Botany and Nature Management	Koedam Nico
Genetic improvement of pigeonpea (Cajanus cajan, Papilionaceae) and management of intercropping systems in semi-arid areas of East Africa	FUSAGx	Unité de phytotechnie tropicale et horticulture	Baudoin Jean-Pierre
GIS - Cat_APP "Mapping and Monitoring by Remote Sensing of World Heritage Sites in DRC using an Integrated System of Geographical Information " - Class_188 - UNESCO-OSTC	UCL	Unité d'environnement et géomatique (ENGE)	Defourny Pierre
Habitat binding of freshwater fish in rivers in Flanders (Belgium)	UA	Laboratory of Animal Ecology	Matthysen Erik
Habitat characteristics influence pheromone-trap catches of Ips typographus (Scolytidae, Coleoptera) in Brussels (Belgium)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
HABITAT: Intensive monitoring of the evolution of a protected habitat	UGENT	Marine Biology	Vincx Magda
Has biodiversity been overestimated?	RMCA/ KMMA/ MRAC	Section Non-Insect Invertebrates	Jocqué Rudy
Higher trophic levels in the Southern North Sea. Monitoring, biological interactions and dispersal. TROPHOS.	KULeuven	Animal Ecology and Systematics Section	
Historic quality of the Flemish (Belgium) surface waters by means of macrophytes	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Host range, ecological requirement and genetic diversity of Polymyxa spp. (Fungi), vectors of plant viruses	UCL	Unité de phytopathologie (FYMY)	Maraite Henri
Hyperbenthic communities of the North Sea	UGENT	Marine Biology	Vincx Magda
IBOY-DIVERSITAS: LITUS: Interactions of biodiversity, productivity and tourism on European sandy beaches	UGENT	Marine Biology	Vincx Magda
Illé - Restoration of a multi-purpose wetland	Ulg	Unité "Eau et Environnement"	Vanderborcht Paul
Impact of forest management systems on the biodiversity of three indicator groups (vascular plants, carabid beetles and breeding birds)	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Impact of mowing on butterfly and moth populations in Ardenne's grasslands (Belgium) and implications for habitat management	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philipp Van Impe Georges
Impact of organic pollutants (PCB's) on plankton of the river Meuse (Belgium): incidence of contamination levels and transfer dynamics	Ulg	Laboratoire d'Ecologie animale et d'écotoxicologie	Thomé Jean-Pierre
Increasing ecological value of the Sonian Forest of Brussels (Belgium) through small scale management in recently established nature reserves	VUB	General Botany and Nature Management	Koedam Nico
Indicators for plant species diversity and fragmentation impact there on in Flemish forests (Belgium)	UGENT	Department of Forest and Water Management	
Influence of the canopy structure heterogeneousness on the spatio-temporal variability of atmospheric deposition in a mixed oak-beech stand	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Information system on biodiversity in Wallonia (Belgium)	CRNFB	Conservation de la nature	
Inland fisheries management, mainly in the province of Antwerp (Flanders, Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Insects collection of the laboratory of Ecology and Biogeography (Catholic University, Louvain-la-Neuve)	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philipp Van Impe Georges

Integration of in situ and hyperspectral remote sensing data in the homework of monitoring and modelling vegetative production systems.	KULeuven	Division Forest, Nature and Landscape Research	
Intensive monitoring of eight experimental forest stands for trees' health status, growth, soil conditions, atmospheric deposits and evolution of the herbaceous layer	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Interactions between meiobenthic biodiversity (in casu Nematoda) and tourism on three European sandy beaches.	UGENT	Marine Biology	Vincx Magda
Inventarisation and identification of invertebrates as ecological indicators in Flemish forest reserves (Belgium)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Inventory and ecological diagnostic of protected species	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philipp Van Impe Georges
Inventory and monitoring of butterflies and dragonflies (Odonata) in Wallonia (Belgium)	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philipp Van Impe Georges
Inventory of Acari Phytoseiidae (Insecta) in apple orchards	CRA-W	Unité de zoologie	Fassotte Christiane, Jansen Jean-Pierre, Michotte Renier Antoine
Iron oxides in relation to the phosphorus status of soils	UCL	Centre de recherche sur la biodiversité (BDIV)	Hance Thierry, Peeters Alain
Landscape ecology and botanical characterisation of the polders natural region in Flanders (Belgium)	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Lichens as bioindicators for air pollution by heavy metals: effects on physiological parameters (photosynthesis, ultrastructure), accumulation, subcellular localisation, in situ monitoring	UHASSELT	Centre for Environmental Sciences	Vangronsveld Jaco
Local ecoclimatic stability and endemism	UCL	Unité de géographie (GEOG)	
Long term monitoring of wintering geese populations in Flanders (Belgium)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Long term studies on the development of terrestrial orchid populations in Western Europe	NBGB/ NPB/ JBNB	Flora of temperate regions	Vanhecke Leo
Management of nature reserves, mainly in Flanders (Belgium)	NBGB/ NPB/ JBNB	Section Algae and Mosses	
Management of the Wallonian plots of the European forest intensive and continuous monitoring network.	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Mangrove vegetation structure dynamics, regeneration, succession, anthropogenic degradation, propagule predation, remote sensing and vegetation mapping	VUB	General Botany and Nature Management	Koedam Nico
Mapping of Natura 2000 sites	CRNFB	Conservation de la nature	
Measurements of biodiversity in parks in Flanders (Belgium)	KULeuven	Department of Land Management and Economics	
Methodology and sampling methods in biodiversity assessments	CRNFB	Conservation de la nature	
Methodology of selection of indicators species of species assemblages	CRNFB	Conservation de la nature	
Migration of forest plant species in a fragmented landscape: an ecological, population genetic and modelling approach	KULeuven	Division Forest, Nature and Landscape Research	
Migration of satellite tagged white storks (<i>Ciconia ciconia</i> , Aves)	UA	Laboratory of Animal Ecology	Matthysen Erik
Monitoring and ecology of mustelids (Mammalia, Carnivora), other carnivores and confusable species in Flanders (Belgium)	IBW	Wildbeheer	
Monitoring of conversion of homogeneous pine stands into mixed stands of pine, oak and birch in the Kempen natural region (Belgium)	UGENT	Department of Forest and Water Management	
Monitoring of flora and vegetation in managed nature reserves in the Zoniën forest (Belgium)	VUB	General Botany and Nature Management	Koedam Nico
Monitoring of large-scale Nature Development in the Integral Coastal Nature	UGENT	Terrestrial Ecology	Lens Luc

Reserve the IJzermonding.			
Monitoring of sandbanks on the Belgian continental platform by means of Nematodes	UGENT	Marine Biology	Vincx Magda
Monitoring of sites where vegetal techniques are used for bank stabilization (SCEN-RW)	FUNDP	Unité de recherche en biologie des organismes (URBO)	Micha Jean-Claude
Monitoring of species diversity and vegetation development in strict forest reserves as important reference tools for nature-based forest management	IBW	Bosecologie en bosbehandeling	
Monitoring of the fungal and lichen flora from the Brussels Capital Region	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Monitoring the fish fauna of the Zeeschelde-estuary	KULeuven	Animal Ecology and Systematics Section	
Monitoring the sustainable use of game species in Flanders (Belgium)	IBW	Wildbeheer	
'Monitoring van ontwikkelingen in slik- en schorgebieden in de Zeeschelde' in het kader van : 1) de baggerstortvergunning op de platen van Doel en Boomke; 2) het afgraven van de Ketenissepolder.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Mycosociology in forest biotopes	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Myxomycetes (Fungi) in Belgium, herbarium management and fieldwork	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Natura 2000 sites pressure assessment and habitat diagnostic	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Nature gardens (Belgium)	KULeuven	Department of Land Management and Economics	
Nitrification and denitrification in forest soils: molecular diversity of ammonia-oxidising bacteria and nitrate production	Ulg	Laboratoire d'Ecologie végétale et microbienne	Carnol Monique
North Sea seabirds and marine mammals: pathology and ecotoxicology	Ulg	Laboratoire d'océanologie	Bouquegneau Jean-Marie
Phytodiversity in relation with ecological and patrimonial values	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy
Pitfall monitoring of soil dwelling invertebrates and color traps for flying insects in Flemish forests (Belgium)	UA	Evolutionary Biology Group	
Pitfall monitoring of soil dwelling invertebrates in Flemish forests (Belgium)	UGENT	Terrestrial Ecology	Lens Luc
Plant diversity in grassland and on field margins	UGENT	Laboratory of Weed Science - Weed Research Centre	
Plant growth on mine piles in Limburg (Belgium): natural succession and the relation to the substrate	UHASSELT	Centre for Environmental Sciences	Vangronsveld Jaco
Plant population biology for biodiversity conservation	FUSAGx	Laboratoire d'écologie	Mahy Grégory
Population dynamics and ecology of animal populations, mainly of Great Tit (Parus major, Passeriformes, Aves)	UA	Laboratory of Animal Ecology	Matthysen Erik
Population dynamics and zoonoses of the red fox (Vulpes vulpes) in Belgium	Ulg	Unité de recherche en Zoogéographie	Libois Roland, Michaux Johan
Population ecology of fish in the belgian river Meuse	Ulg	Laboratoire de démographie des poissons et hydroécologie	Philippart Jean-Claude
Potential impact of the introduced Asian chipmunk (Eutamias sibiricus, Laxmann 1769, Rodentia, Mammalia) on the breeding bird fauna in Belgium	ULB	Service d'éco-éthologie évolutive	Aron Serge, De Biseau D'hauteville Jean-Christophe, Hardy Olivier, Roisin Yves
Predation and dispersal: the impact of local and regional processes on the structure of macro-invertebrate communities in shallow ponds in De Maten, Limburg (Flanders, Belgium)	KULeuven	Laboratory of Aquatic Ecology	
Preparation and execution of sanitation of sediments for ecological restoration of the aquatic ecosystem	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Protocols for the Assessment and Conservation of Aquatic Life in the Subsurface (PASCALIS)	RBINS/IRSCNBKBIN	Freshwater biology	Goddeeris Boudewijn
Quality status of freshwater fish used for restocking wild populations	UCL	Unité des eaux et forêts (EFOR)	Devillez Freddy

Reconstruction, monitoring and remediation of antropogenic impacts on freshwater environments based on the use of biological indicator species	UGENT	Protistology & Aquatic Ecology	Vyverman Wim
Red data list of macrofungi in Flanders (Belgium)	UGENT	Mycology	Verbeken Annemieke
Rehabilitation of Atlantic salmon in the Meuse basin area (Belgium)	FUNDP	Unité de recherche en biologie des organismes (URBO)	Micha Jean-Claude
Relict populations along small landscape elements in Flanders (Belgium): from habitat characteristics analysis to dynamic modelling	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
REMOTE SENSING - AGRICULTURE - Cat_APP "Agriculture Monitoring by Remote Sensing in Walloon Region(SAGRIWATEL)" - Class_76 - OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - AGRICULTURE - Cat_SCI "Biophysical variables extraction from radar data for crop growth monitoring" Classe_100 FRIA	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - AGRICULTURE - Cat_SCI "Development of dedicated polarimetric indices for the crop growth monitoring by microwave and optical remote sensing (ENVISAT AO-ID 680)" Class_92 - ESA	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - AGRICULTURE - Cat_SCI "Modelling crop growth based on assimilation of remotely senses data for hydrology and plant parameters (STEREOCROP)" - Classe_565 OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Remote sensing and landscape stratification for monitoring biodiversity in Wallonia (Belgium)	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_APP "Contribution of VHR satellite imagery for the forest management and monitoring" - RW-DGRE	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_APP "Use of VHR satellite data for forest cartography (FORECAST)" - Class_84 - OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "Object-oriented change detection method for the forest monitoring based on comparison between high resolution satellite images" Classe_125 FRIA	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - FORESTS - Cat_SCI "TREES-Tropical forest experiment : seasonality monitoring" Classe_147-OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - METHODS - Cat_APP "Optimisation of Urban Parks Management using Very High Resolution Satellite Imagery (SUGRES)" - Class_34 - OSTC/GIM	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - METHODS - Cat_SCI "Automated processing of optical time series for land surface mapping and change detection (GlobalWatch) - Class_124 - OSTC	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
REMOTE SENSING - METHODS - Cat_SCI "Development of SAR inversion algorithms for land applications" - Class_37 - ESA-ESTEC / Gamma	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Renewable energy indicators in Belgium	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques
Research of the impact of the Sigma plan, dredging activities and port expansion on the environment in the zeeschelde: partim1: study of the water quality.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Research on the impact of the Sigma plan, dredging activities and port expansion on the environment in the Zeeschelde. Partim 8 : study of the effects of water quality and tide on flooding areas of the Zeeschelde.	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
Response of forest ecosystems to atmospheric pollution: a dendroecological and dendrochemical approach	ULB	Laboratoire de génétique et écologie végétales (GEV)	Lefèbvre Claude
Role of benthic algae in the ecosystem of the Revellata Bay (Corsica) to model ecological control processes in an oligotrophic Mediterranean site	Ulg	Unité de recherche "Algologie, mycologie et systématique expérimentale"	Demoulin Vincent
Scientific collaboration in the frame of the work of the unit "Health and Environment" of the Province of Luxembourg and more particularly of the Service	Ulg	Unité "Surveillance de l'environnement" (SE)	Nicolas Jacques

of Diagnostic of Indoor Pollution

Screening for insecticide and acaricide resistant strains

UGENT

Laboratory of Agrozoology

Selection and Implementation of a set of environmental indicators for the State of the Environment Report of Wallonia (Belgium)

ULB

Centre d'études du développement durable (CEDD)

Stengers Isabelle, Zaccari Edouard

Shifts in macroinvertebrate communities after remediation of a shallow eutrophied lake (the Kraenepoel) in Flanders (Belgium) by means of sludge removal

UGENT

Laboratory of Environmental Toxicology and Aquatic Ecology

Janssen Colin

Site quality assessment using Dolichopodidae (Diptera)

RBINS/IRSCNBKBIN

Insects

Grootaert Patrick

Spatial ecology in conifer bark-beetles (Coleoptera)

ULB

Lutte biologique et écologie spatiale (LUBIES)

Grégoire Jean-Claude

Spatio-temporal distribution of the fish communities in reservoir lakes in Belgium and Luxembourg

FUNDP

Unité de recherche en biologie des organismes (URBO)

Micha Jean-Claude

Species protection plan of *Maculinea alcon* (Lepidoptera, Insecta) in the Kempen Region (Flanders, Belgium)

UA

Laboratory of Animal Ecology

Matthysen Erik

Spot vegetation: desert locust (Orthoptera, Insecta) habitat monitoring

UCL

Unité d'environnement et géomatique (ENGE)

Defourny Pierre

SPSD II EV/21 BALANS: Balancing impacts of human activities in the Belgian part of the North Sea

RBINS/IRSCNBKBIN

Department of Marine Ecosystem Management - Management Unit of the North Sea Mathematical Models

Pichot Georges

SPSD II EV/25 TROPHOS: Higher trophic levels in the Southern North Sea

UGENT

Marine Biology

Vincx Magda

SPSD II EV/27 INPLANBEL: Invasive plants in Belgium: Patterns, processes and monitoring

FUSAGx

Laboratoire d'écologie

Mahy Grégory

SPSD II EV/29 MANSCAPE: Integrated management tools for water bodies in agricultural landscapes

KULeuven

Laboratory of Aquatic Ecology

SPSD II EV/34 B-BLOOMS: Algal blooms: Emerging problems for health and sustainable use of surface waters

Ulg

Centre d'ingénierie des protéines

Frère Jean-Marie

SPSD II EV/38 SPEEK: Study of post extraction ecological effects in the Kwintebank sand dredging area

UGENT

Marine Biology

Vincx Magda

Status and distribution of the freshwater fish fauna in Flanders (Belgium)

UA

Ecosystem Management Research Group

Janssens Ivan, Meire Patrick, Verheyen Rudi

Status of wild *Primula* populations (Primulaceae, Angiospermae) in Flanders (Belgium)

KULeuven

Department of Land Management and Economics

Structural and functional biodiversity of copepod (Crustacea) communities on the Belgian Continental Shelf (North Sea)

UGENT

Marine Biology

Vincx Magda

Structure and dynamics of microplankton communities in the Schelde Estuary (Belgium, The Netherlands)

UGENT

Protistology & Aquatic Ecology

Vyverman Wim

Study of mixed natural regeneration in older scots pine (*Pinus sylvestris*, Pinaceae) plantation forests in Flanders sandy regions (Belgium)

UGENT

Department of Forest and Water Management

Study of the botanical importance of small aquatic or marshy landscape elements, such as ditches, pools, etc. Analysis of their importance as parts in the structural defined biodiversity in agricultural landscapes

NBGB/ NPB/ JBNB

Flora of temperate regions

Vanhecke Leo

Supervised control of crop pests in field vegetables

UGENT

Laboratory of Agrozoology

Survey and monitoring of habitats in Wallonia (Belgium)

CRNFB

Conservation de la nature

Survey and monitoring of sites of biological importance (SGIB) in Wallonia (Belgium)

CRNFB

Conservation de la nature

Survey and monitoring of species in Wallonia (Belgium)

CRNFB

Conservation de la nature

Synthesising all monitoring data of the Beneden Zeeschelde needed for the environmental license and development of a monitoring program.

UA

Ecosystem Management Research Group

Janssens Ivan, Meire Patrick, Verheyen Rudi

Systematics, ecology and biogeography of benthic protists

UGENT

Protistology & Aquatic Ecology

Vyverman Wim

Systematics, morphology and ecology of Pteridophyta worldwide	UGENT	Pteridology	Viane Ronnie
Systematics, phylogeny, biogeography and conservation of Staphylininae (Coleoptera, Insecta)	RBINS/IRSCNBKBIN	Insects	Grootaert Patrick
Taxonomy and ecology of Myxomycetes (Fungi)	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Taxonomy and identification of Bacillus (Eubacteria) and relatives	UGENT	Laboratory of Microbiology	
Taxonomy of Central African Macromycetes (Fungi)	NBGB/ NPB/ JBNB	Section Fungi and Lichens	
Téledétection - Cat_APP "Contribution to the desert locust monitoring" - Classe_96 - FA0-SSTC VEGETATION	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Téledétection - Cat_SCI "Development of Radar Extracted Data Products for Crop Early Monitoring Systems" - Classe_116 - ESA-ESRIN	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Téledétection - Cat_SCI "Multitemporal SAR data for crop monitoring - signal modelling and analysis of biophysical variables dynamic" - ADRO	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
Téledétection - Cat_SCI "Tropical forest experiment : seasonality monitoring" - Classe_147 - SSTC-JRC TREES	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
The adaptive value of the bioluminescent behaviour in Glow-worms (Coleoptera: Lampyridae) and a survey of Glow-worm distribution in Belgium	UA	Laboratory of Animal Ecology	Matthysen Erik
The biology of Ericaceae and other heathland species in Western Europe	UCL	Ecologie et évolution végétale	Jacquemart Anne-Laure, Wesselingh Renate Coppejans Eric
The ecological importance of groynes and other hard substrates in the tidal area on the Flemish coast (Belgium), partim algae	UGENT	Phycology	
The Red squirrel project - Monitoring of numbers and distribution of the Red squirrel (Sciurus vulgaris) in Flanders	IBW	Wildbeheer	
The role of a freshwater marsh in the silica cycle in the Schelde estuary (I)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
The role of a freshwater marsh in the silica cycle in the Schelde estuary (II)	UA	Ecosystem Management Research Group	Janssens Ivan, Meire Patrick Verheyen Rudi
The SADC/GEF Lake Malawi/Nyasa/Niassa Biodiversity Conservation Project	RMCA/ KMMA/ MRAC	Section Vertebrates	Louette Michel
The soil fauna: the other last biotic frontier	UCL	Biodiversité à l'échelle locale et régionale	Dufrêne Marc, Lebrun Philipp Van Impe Georges Defourny Pierre
The use of capture-mark-recapture data as an estimation of demographic parameter of forest rodent populations	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
The use of constrained linear models in capture-recapture data analysis	UCL	Unité d'environnementrie et géomatique (ENGE)	Defourny Pierre
The use of diatom indices in water quality assessment and biomonitoring of lotic freshwaters	UCL	Ecologie et évolution végétale	Jacquemart Anne-Laure, Wesselingh Renate
The use of forest parasitoids as biodiversity indicators in spruce plantations (Pinaceae)	ULB	Lutte biologique et écologie spatiale (LUBIES)	Grégoire Jean-Claude
The use of indicator species for conservation of habitat networks in Flanders (N-Belgium): a multi-species approach	UA	Laboratory of Animal Ecology	Matthysen Erik
The use of the freshwater fish communities to assess biotic integrity of Flemish (Belgium) water courses, especially the river Maas (Flanders, Belgium)	IBW	Vispopulatieonderzoek	
Transfer of heavy metals in terrestrial ecosystems: speciation, bio-accumulation and effects on population level.	UGENT	Terrestrial Ecology	Lens Luc
Trophic relationships among plankton in large rivers (river Meuse, Belgium)	Ulg	Laboratoire d'Ecologie animale et d'écotoxicologie	Thomé Jean-Pierre
Typology of reed beds (Wallonia, Belgium)	CRNFB	Conservation de la nature	
Use of ants in leaf-litter as bio-indicators	RBINS/IRSCNBKBIN	Biological evaluation	Devillers Pierre
Valorisation of museum collection databases for biodiversity research	RMCA/ KMMA/ MRAC	Section Vertebrates	Louette Michel

Woodland bryophytes of lowland Belgium
Zeeschelde: evaluating the effects of the Sigmaphan, dredging activities and
harbour expansion on the environment.
Zoological inventory of the river Meuse (W-Europe) and its tributaries, mainly
Chironomids (Insecta, Diptera)

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