



Gembloux Agro-Bio Tech  
Université de Liège

# Interactions between forests and youth in the Walloon Region (Belgium)

**11th Conference Of Youth – IFSA Workshop**

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# Which types of forests are present in the Walloon Region (WR) ?



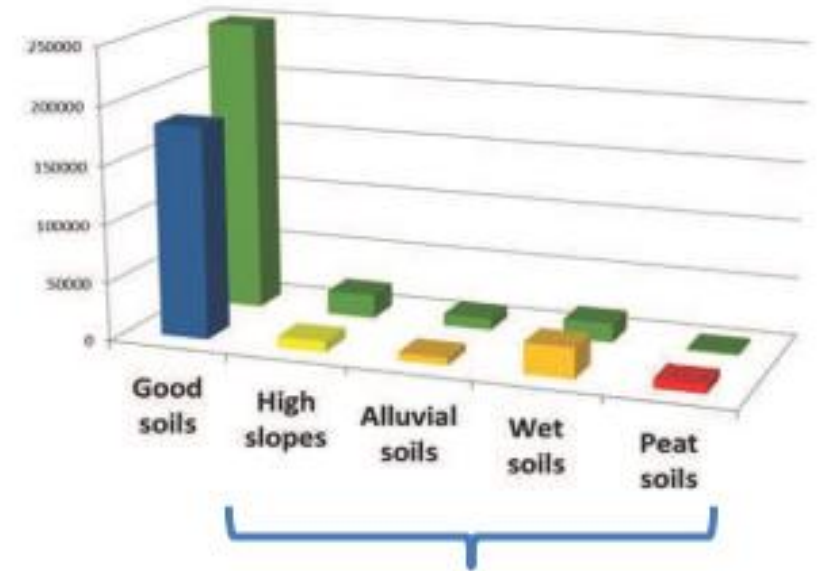
Wood lands 530.000 ha

Deciduous forests 298.000 ha\*

Spruce plantations 232.000 ha

Surface (ha)	Deciduous	Spruce
Good soils	249600	182100
High slopes	20200	9100
Alluvial soils	9700	6500
Wet soils	16100	26400
Peat soils	2400	7600

\* But only 150.000 ha of ancient forests.



> 20 % spruce plantations not in optimal soil conditions

# Which types of forests are present in the Walloon Region (WR) ?

Deciduous forests



Spruce plantations



# What is the importance of forests for global environmental issues?

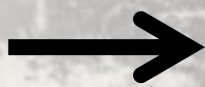


	Wood	Carbon	Floods	Sediments	Water quality	Tourism
Good soils	2	3	2	1	2	1
High slopes	1	2	2	2	2	2
Alluvial soils	2	3	3	3	3	3
Wet soils	1	2	3	2	3	2
Peat soils	0	3	3	3	3	2

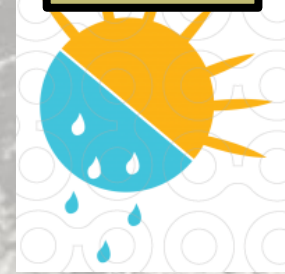


	Wood	Carbon	Floods	Sediments	Water quality	Tourism
Good soils	3	2	0	0	-1	0
High slopes	1	0	-2	-3	-3	-1
Alluvial soils	3	1	-3	-3	-3	-3
Wet soils	1	-2	-2	-2	-2	-2
Peat soils	-2	-3	-1	-1	-1	-3

**Forests**



**Climate**



DUFRENE (2013). Ecosystem services quantification. Course, Gembloux Agro-Bio Tech, University of Liège (Belgium).

# What is the importance of forests for global environmental issues?



## *Picea abies*

Future: 1961-1990

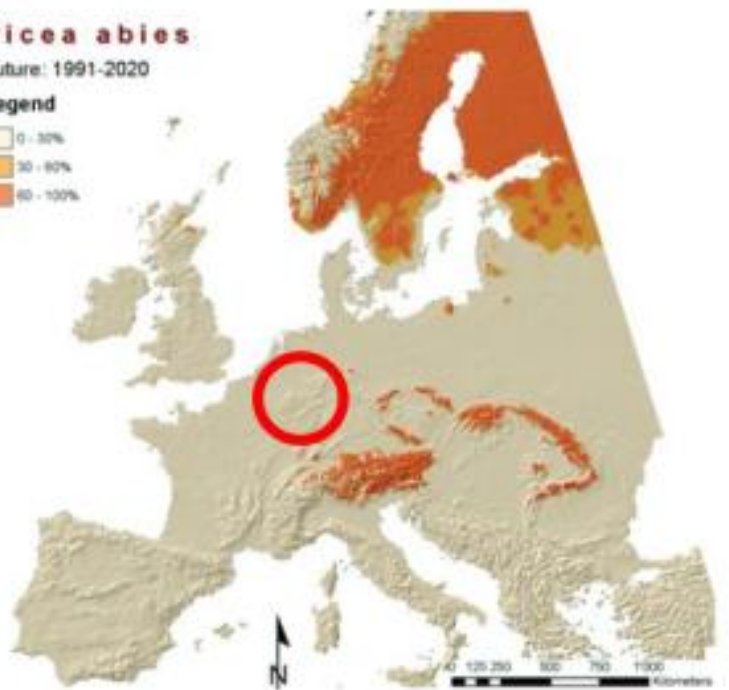
### Legend



## *Picea abies*

Future: 1991-2020

### Legend



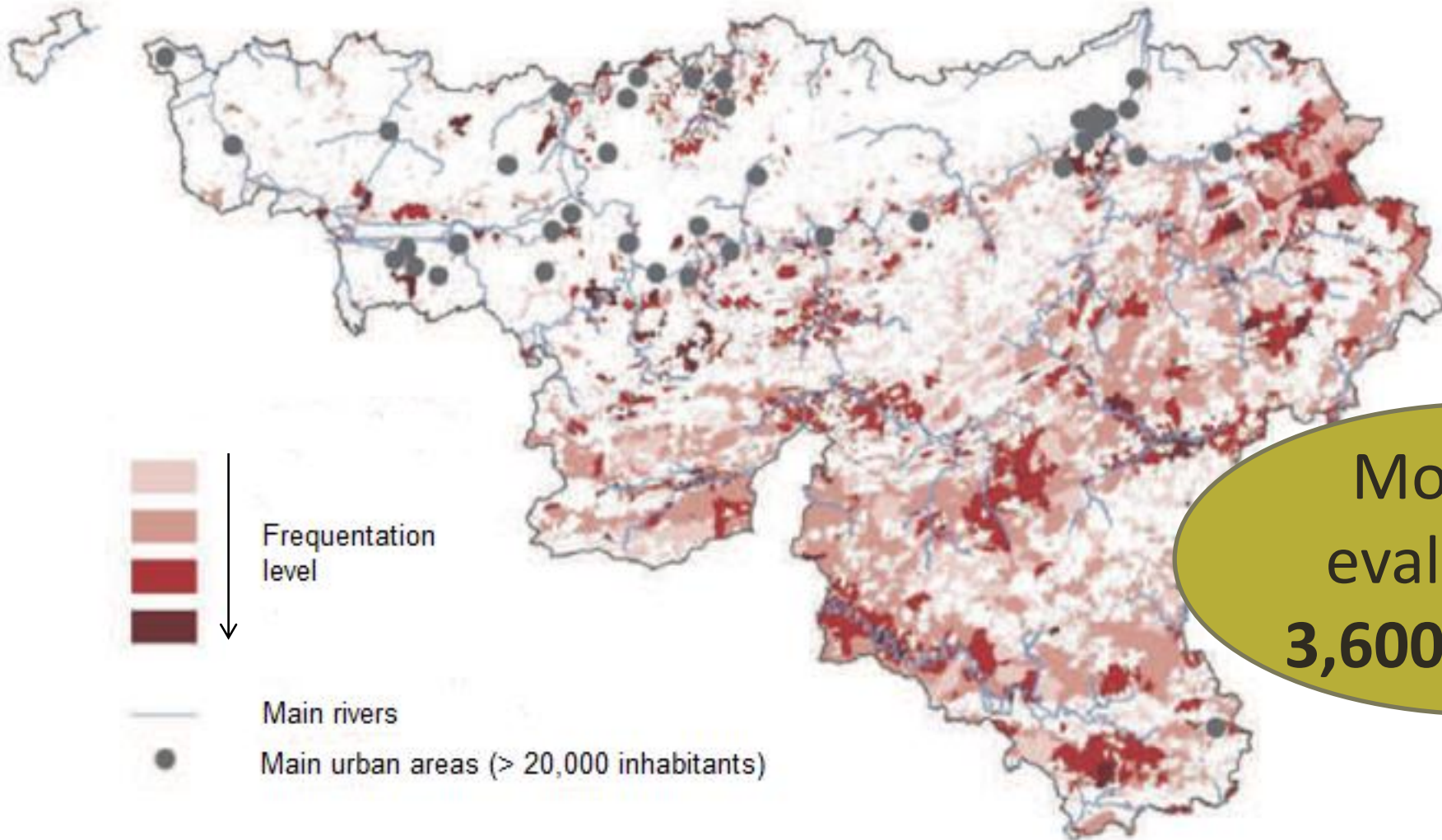
**Climatic stress for species**

→ Adaptation of practices

→ Boost resilience (mixed forests, etc.)

FITZGERALD & LINDNER (2013). Adapting to climate change in European forests – Results of the MOTIVE project.

# What are the interactions between forests and people?



Monetary  
evaluation :  
**3,600 €/ha/an**

COLSON et al. (2003). La fonction récréative en forêt wallonne : évaluation et piste de réflexion pour son intégration optimale dans l'aménagement intégré des massifs.

# What are the interactions between forests and people?



IFSA Belgium



Gembloux Agro-Bio Tech  
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Province  
de Liège

Enseignement



IPEA La Reid

ECOLE  
CERTIFIÉE  
ISO 14001



UNIVERSITEIT  
GENT



UCL

Université  
catholique  
de Louvain



HAUTE ECOLE Provinciale de HAINAUT

CONDORCET



KATHOLIEKE UNIVERSITEIT  
LEUVEN

Natuur en Bos

- ✓ Knowledge sharing (workshops, exchanges, ...)
- ✓ Partnerships creation (Master Thesis, internships)
- ✓ Contacts with the forestry sector





# Why is it important that youth mobilize protecting forest resources?

- Importance of forests to deal with global environmental issues
- Large range of ecosystem services provided by forests
- Importance of forests for human populations (economic, environmental & cultural roles)
- Role of education in the process of conserving forest resources

# Thanks for your sustained attention !

