





Forests, landscapes and energy in the French Alps

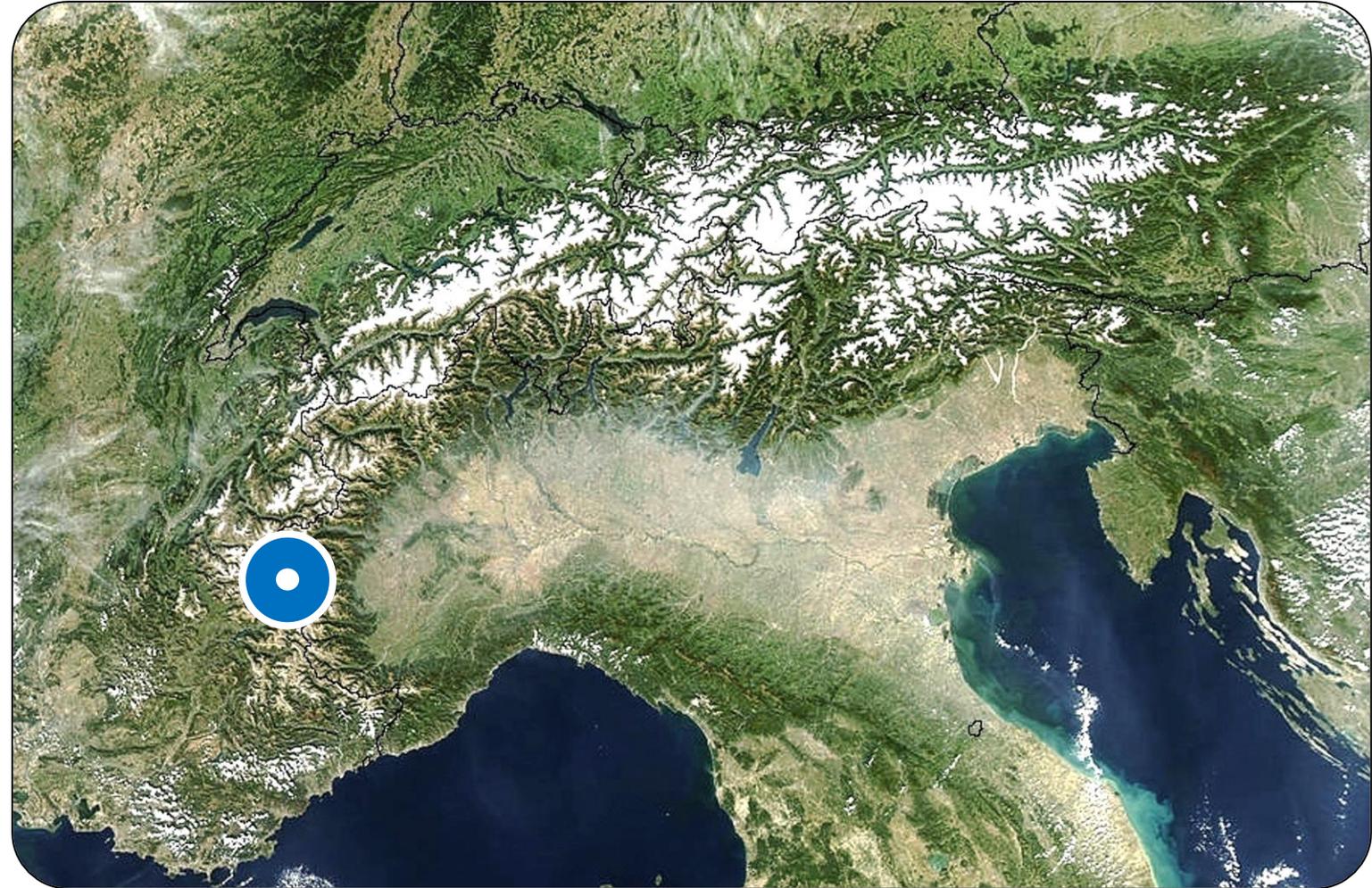
Association Forêts Alpines

Lucie Lombard

Forests, landscapes and energy in the French Alps

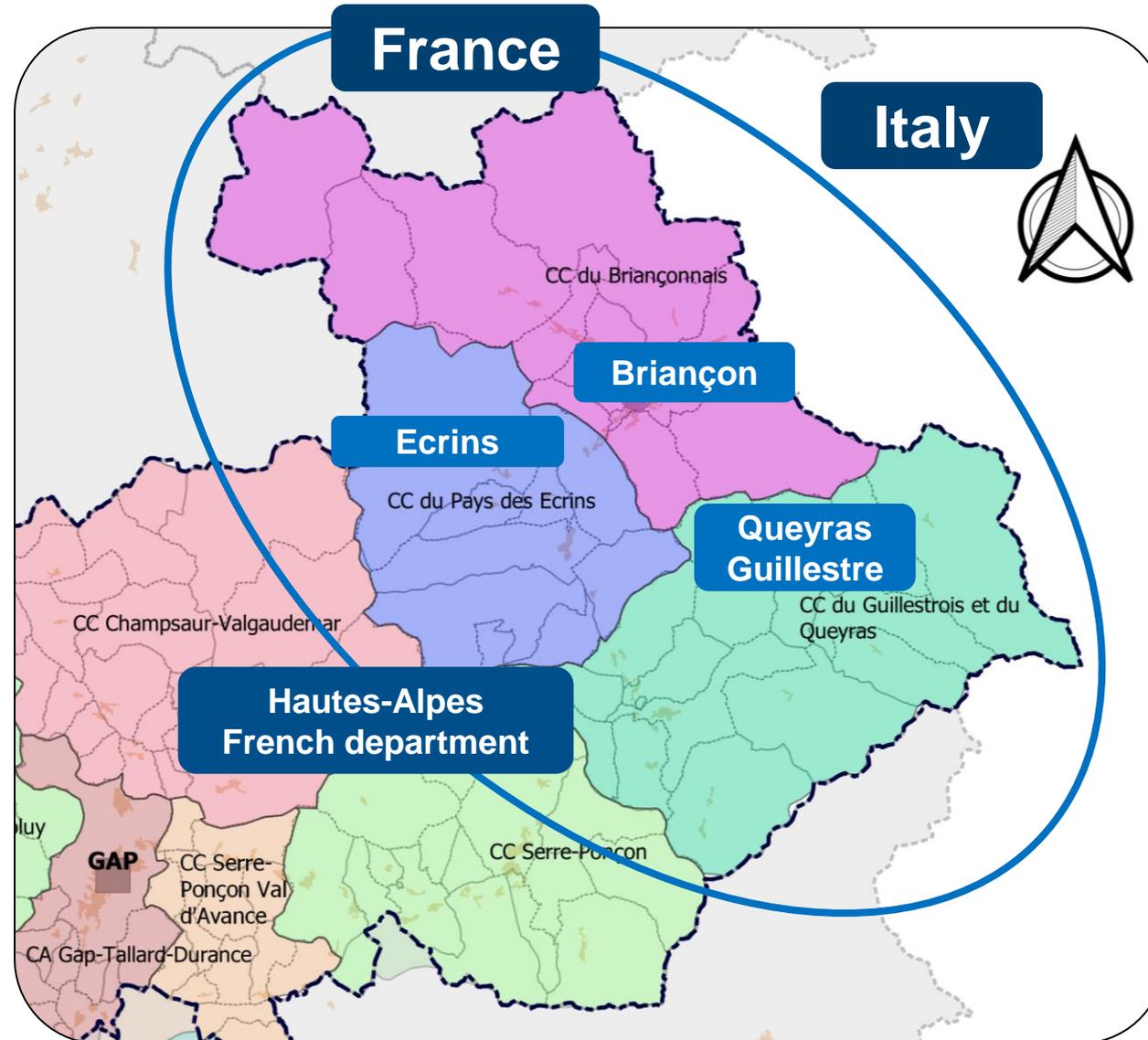
- 1 Context
- 2 Forests, landscapes and energy
- 3 “*Forêts Communes*”: a project that can contribute to address the issues related to global changes, landscapes and energy

Location



“Forests, landscapes and energy, in the French Alps”, Alpweek 6 September 2022, Brig, Switzerland

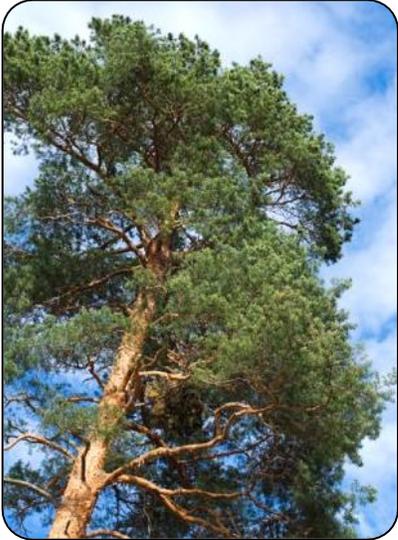
Location



Tree species

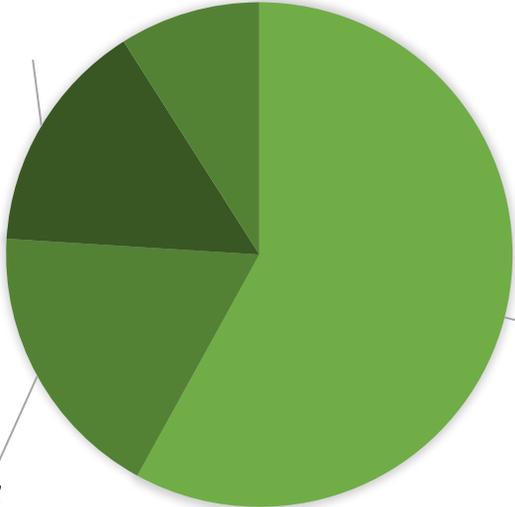


15%
Pinus uncinata



18%
Pinus sylvestris

9% Other trees: *Pinus nigra*,
Pinus cembra, *Abies alba*,
broadleaved trees...



58%
Larix decidua



Source : *Charte forestière Briançonnais, Ecrins, Guillestrois, Queyras, 2019-2024*

A majority of public forests



Source : Geoportail © IGN 2022

Activities



© Forêts Alpines



Stakeholders



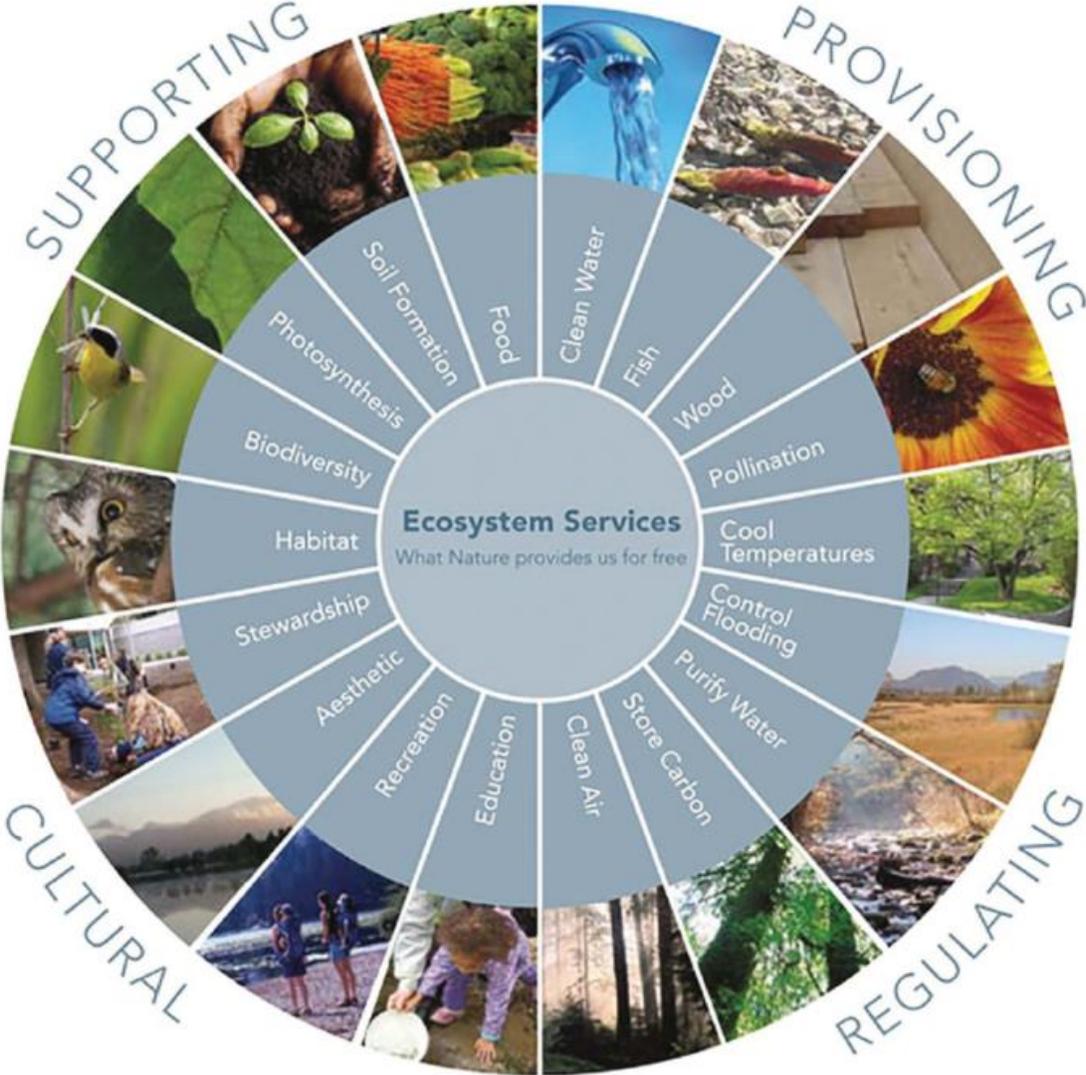
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Citizens



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Ecosystem services of forests



Millenium Ecosystem Assessment

Association Forêts Alpines

Hautes-Alpes



Association Forêts Alpines

Hautes-Alpes



Objectives of the association *Forêts Alpines*

- Bringing together citizens, organisations, scientists, every person interested in forests
- Creating and encouraging exchanges
- Collecting, gathering et sharing information, data and knowledge on forests
- Developing relations between research organisations, local organisations, citizens, developing participatory science
- Being a sustainable observatory of forest ecosystems in the context of global changes, sensitizing to the impacts of global changes



2 Forests, landscapes and energy in the French Alps

Forests, landscapes and energy

Results of two interviews focused on landscapes and energy, with Heads of territorial units of the National Forestry Office



- Christophe Ruth, Head of territorial unit *Briançonnais - Argentiérois*
- Vianney Taing, Head of territorial unit *Guillestrois - Queyras*

Hautes-Alpes, Freissinières



End of the 19th century

2006



© ONF, RTM

Forests, landscapes and energy

Landscape evolutions

- Deforestation
- 1860-1882 Laws for reforestation, restoration and conservation of mountain lands

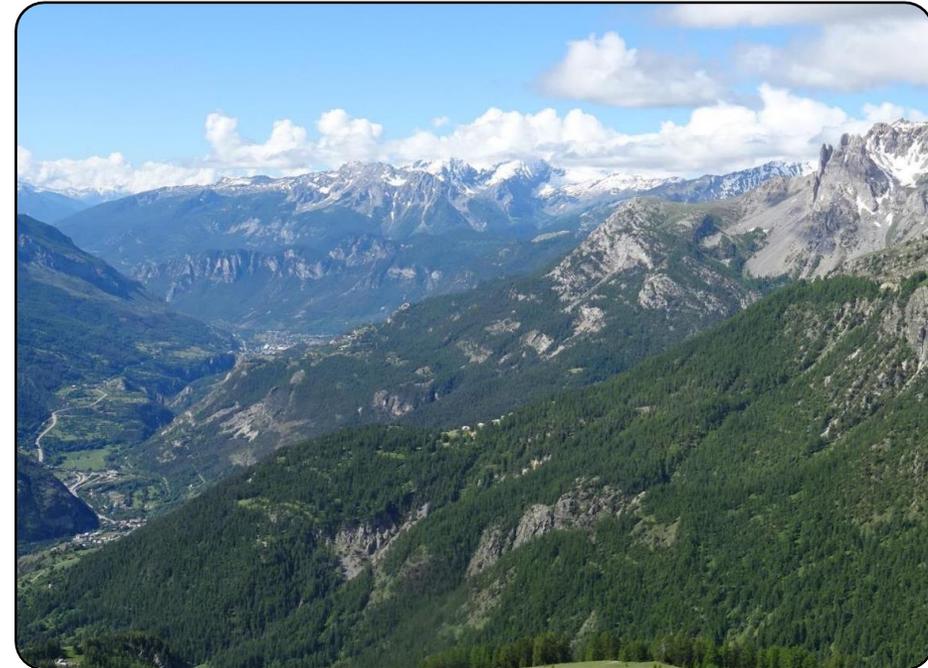


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Forests, landscapes and energy

Landscape evolutions

- Increase of forest area
- Evolutions of activities
- Uneven-aged stand



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Queyras

Photographic observatory of landscapes

1907



Queyras, Bramousse © Raoul Blancard

2019



Queyras, Bramousse © Castro Pierre

Forests, landscapes and energy

Energy

- Renewable local energy
- Evolutions of wood uses?



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Forests, landscapes and energy

Ecological transition

- 4 objectives of the National Forestry Office: wood production, natural hazards management, biodiversity, society
- Sobriety
- Difficult future



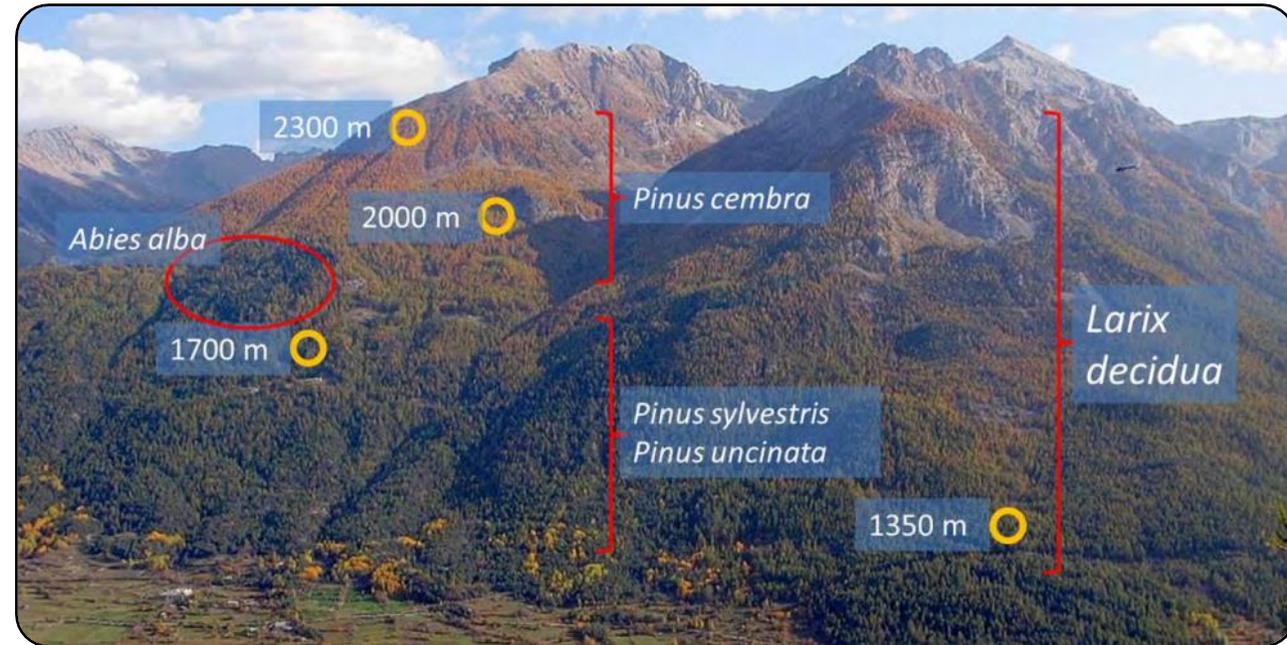
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Forests, landscapes and energy

Future of forests

- Evolutions of forests
- Choices

Ongoing research on the impacts of climate change on larches



© INRAE



3 ***“Forêts Communes”*** a project that can contribute to address the issues related to global changes, landscapes and energy

Project “Forêts Communes” 2022-2024

Call for projects of the Fondation de France
“Reinvent our common goods to amplify
the ecological transition”



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Environnement
& Solidarité



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Project “Forêts Communes” 2022-2024

The partners are developing an observatory of forest ecosystems in the context of global changes



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Participatory science



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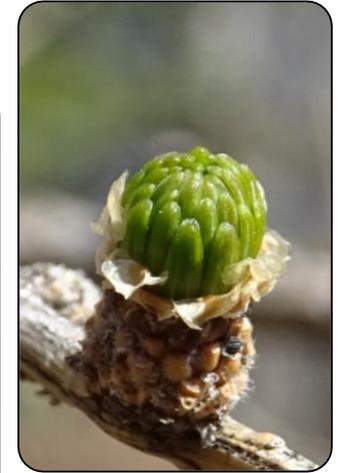
Participatory science



“What are the effects of climate change on the mountain flora?”

Phénoclim aims to answer this question thanks to citizens and professionals!”

www.phenoclim.org



© Forêts Alpines

Participatory science



“What are the effects of climate change on the mountain flora?”

Phénoclim aims to answer this question thanks to citizens and professionals!”

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PHÉNOCLIM **CREA - MONT-BLANC -**

Manual
How to participate in Phenoclim ?

Translated by Google Translate

Phénoclim in a few words
What are the effects of climate change on the flora of our mountains ? Phénoclim aims to answer this question thanks to you! This scientific and educational program invites you to share your observations with scientists in order to advance research on these questions.

Step 1 - Locations

Locate the individuals you are going to follow: choose 3 trees or plants of the same species on your land. The 13 species of Phénoclim are presented in these photos. If necessary, you can use the species sheets available in the Toolbox tab

! Afraid of not finding your trees the following year? You can mark them with a discreet stain of paint.

Beech	Downy birch	Silver birch	Norway spruce	Rowan	Lilac	Coltsfoot
Ash	Silver fir	Scots pine	Larch	Common hazel	Cowslip	

© CREA Mont-Blanc



Activities with children



© Children, School Pinet

Conclusion

Thanks to the project “*Forêts Communes*” and participatory science programs we are developing, we hope to:

- Develop exchanges between citizens, researchers and local organisations, including exchanges on landscapes and energy



Conclusion

Thanks to the project “*Forêts Communes*” and participatory science programs we are developing, we hope to:

- Better understand the evolutions of forests with global changes, climate changes, biodiversity loss
- Better understand the evolutions of ecosystem services
- Better understand the evolutions of resources, including wood-energy





Thank you!

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