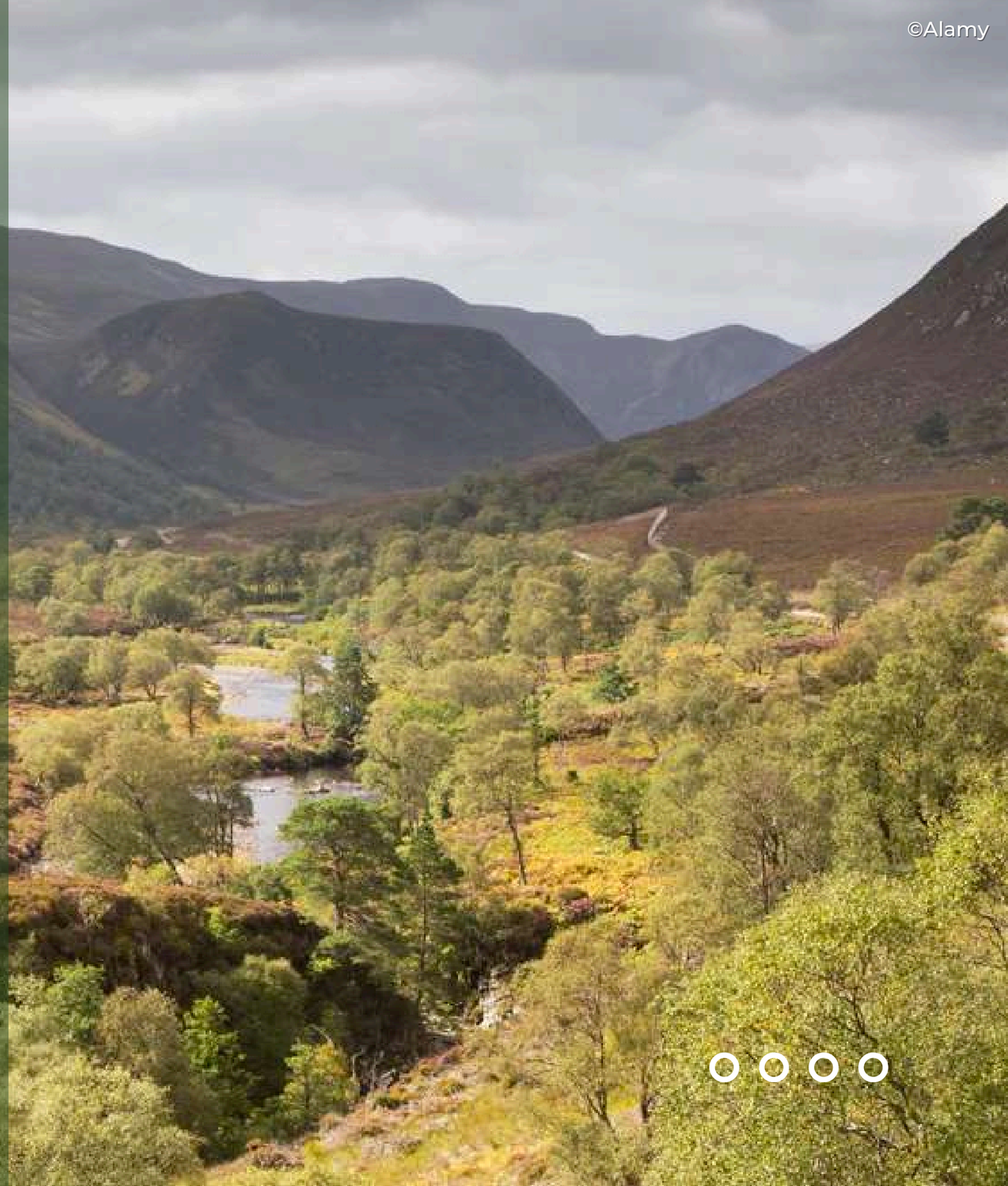
REWILDING BRITAIN'S COUNTRYSIDE

Vidéo by Terra matter :
https://www.youtube.com/watch?v=aY9QjIXaAAc&t=1s

Presented by :
CHERET Angéline
ROBLES Eliot
BULAND Alexis



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Current situation

First of all : Extinction of the Top predators

Then, Impact of agriculture :

- 70% of UK's land areas occupied by agriculture
- 1.5% of UK's workforce concern agriculture employs
- 11% land risk to be abandonned in Europe between 2015 and 2030







Research question :

To what extent can rewilding restore degraded ecosystems and biodiversity in the UK despite strong human pressure on the landscape?

Biological hypothesis :

If keystone species and ecosystem engineers are reintroduced into degraded ecosystems, then biodiversity and ecosystem functioning will increase through the restoration of natural ecological processes.



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Vocabulary !

Can you tell us the translation ?

Livestock ⟶

Dams ⟶

Bark ⟶

Barren wilderness ⟶

Graze ⟶

Tree shoots ⟶

Thrive ⟶

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Thrive → **Prospérer**

Types of rewilding



Passive :

Let the nature take care of itself

Pleistocene :

Introduces descendants of megafauna species who disappeared

Translocation :

Reintroduction of species that were historically native to the area

Types of rewilding



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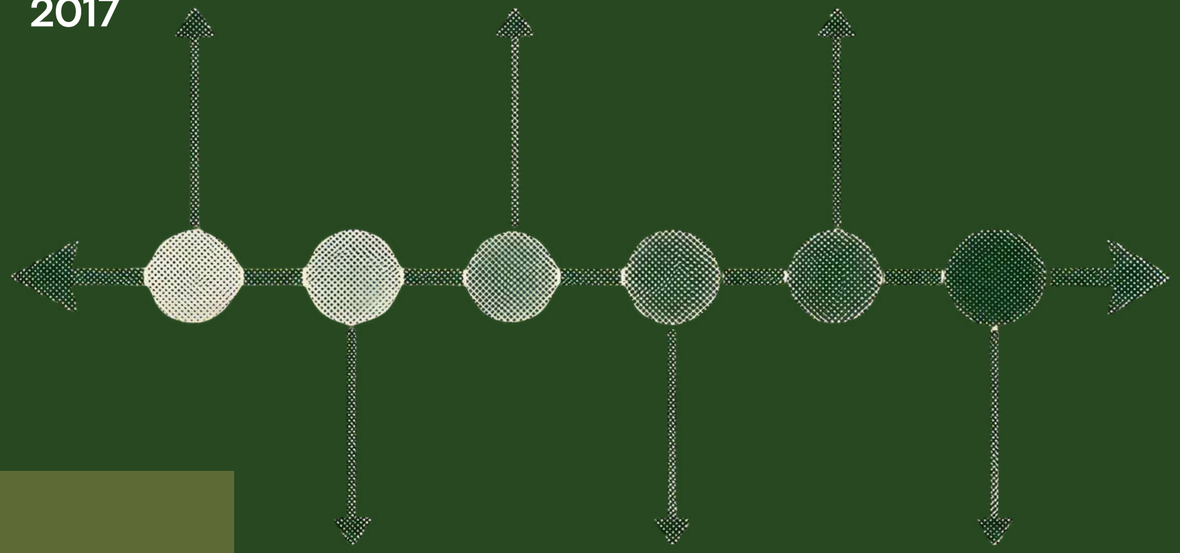
Reintroduction of species that were historically native to the area

Europeen beaver reintroduction

Reintroduced on a farm in Cornwall in 2017

Alleviating flooding

Increased biodiversity in the wetlands



Created dams

Created new habitats

Ecosystem engineers



European bison translocation

UK's project



What do bison do ?

- Bark chewing
- Rubbing against trees
- Dust bathing

Passive :

- Create Deadwood
- Clear the landscapes
- Create sandpits

New wildlife corridors !

European bison translocation

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Grey wolf reintroduction

Yellowstone National Park



Apex predator :

A predator at the top of the food chain

Trophic cascade : a top-down effect

Wolves return

↓

Wolves influence elk numbers and behaviour

↓

Reduced browsing allows vegetation to recover

↓

More food and habitats for other species



Changes at the top of the food chain affect other levels of the ecosystem



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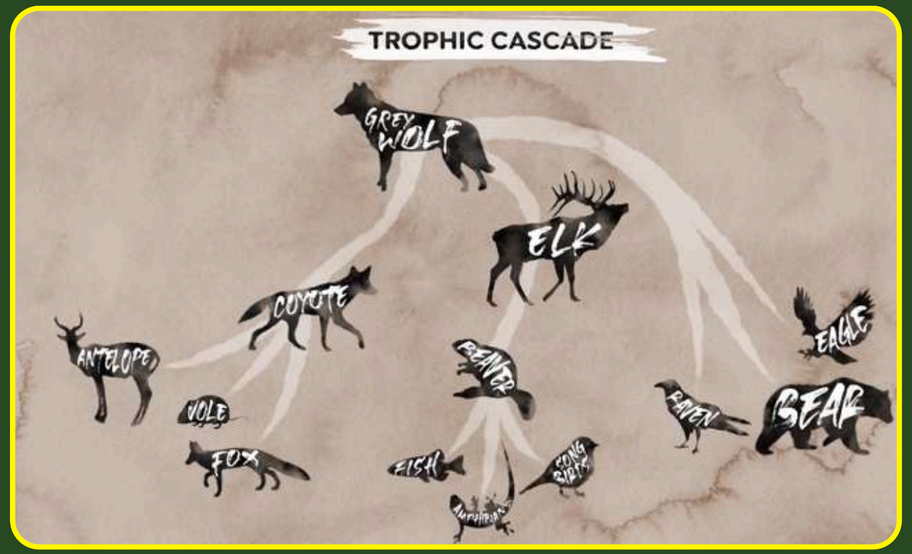
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Bringing wolves back to Scotland

A controversial rewilding proposal

Farmers and landowner's concerns :

- Potential attacks on livestock
- Fears about public safety



Scotland's "right to roam" :

Responsible public access to most land, including private land



Why could fences be a problem ?

Fences to protect livestock or contain wolves

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Possible restrictions on public access

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Species that shape ecosystems

Keystone species :

A species with an unusually large impact on its ecosystem relative to its abundance

Example : Grey wolves



Ecosystem engineers :

Species that physically modify their environment, creating or changing habitats

Examples : Beavers and Bisons

Reintroducing these species can help restore natural processes !

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Pronunciation

All together !

Squirrel :

To thrive :

Species :

Wilderness :

Wolves :

Bison :



Pronunciation

All together !

Squirrel : SKWIR-eul

To thrive :

Species :

Wilderness :

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Pronunciation

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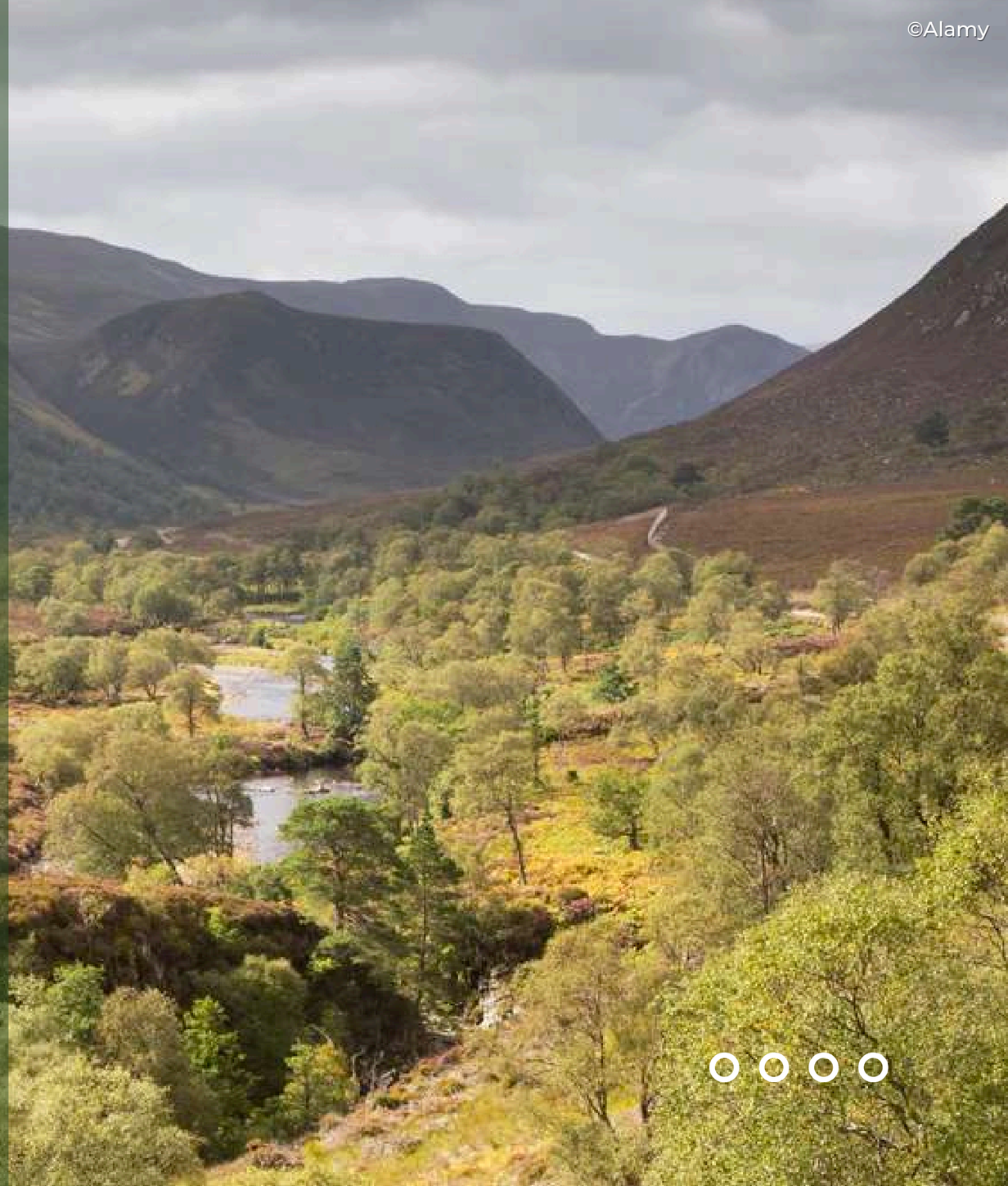
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THANKS FOR LISTENING !

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Kahoot!

Lien du Kahoot
/https://play.kahoot.it/v2/lobby?quizId=94122ed7-bb33-427c-b33c-3f80adf1de80