



How to Build a Wildlife Corridor

Workshop 22/08/2024



The Weald to Waves Project



Knepp Wildland Foundation



**1 in 6 species
at risk of being
lost from
Great Britain**

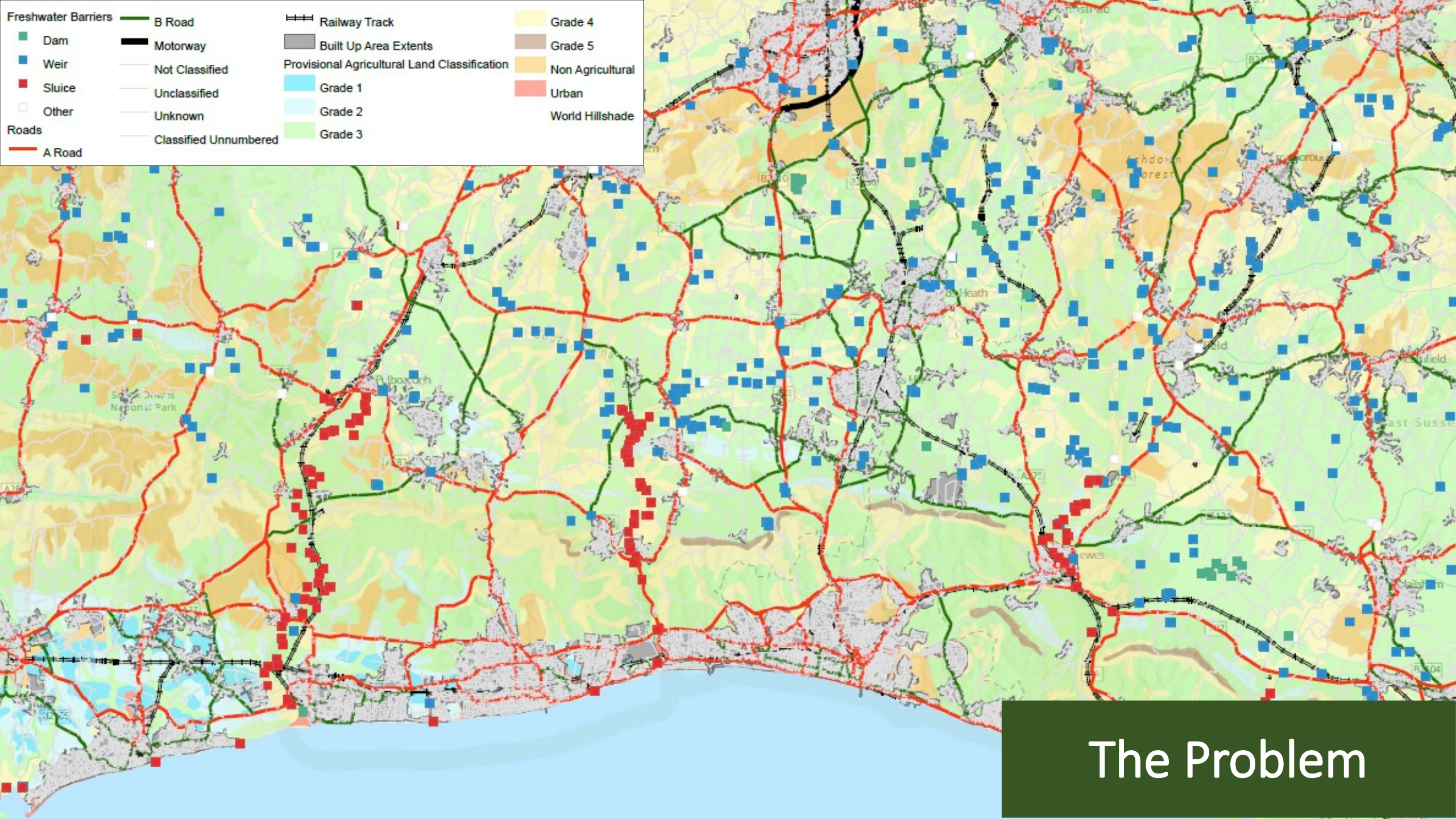
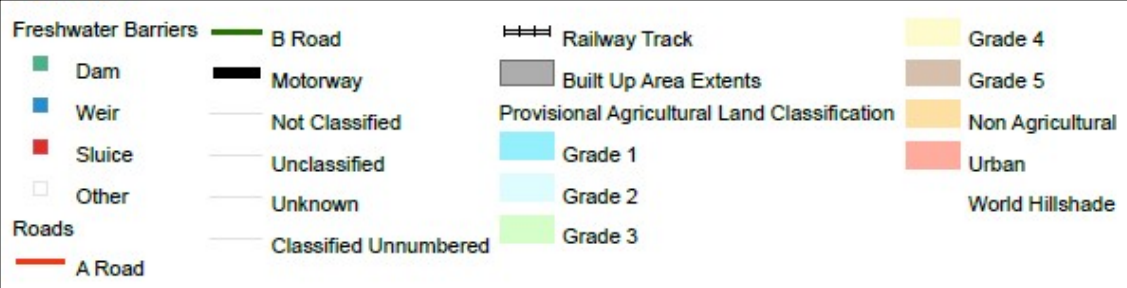
Ref: State of Nature 2023

 state of
nature
PARTNERSHIP

The Problem



The Problem



The Problem

How land is used in the UK

Farmland **56.7%**

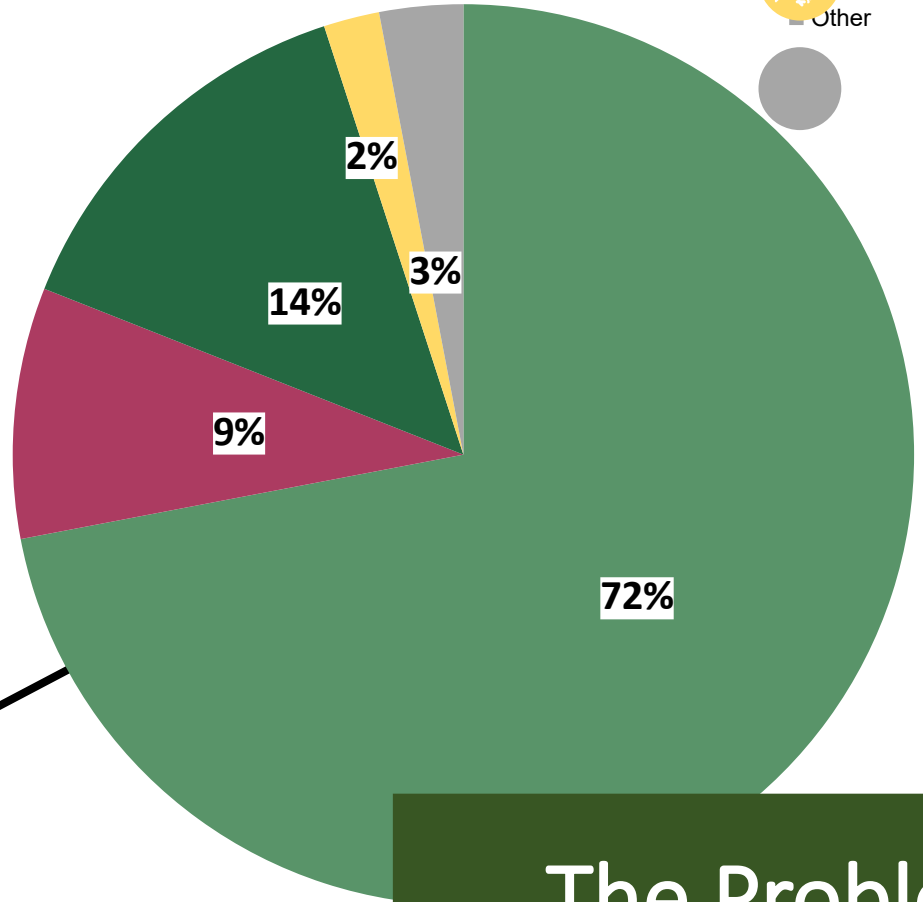
Natural **34.9%**

Green urban **2.5%**

Built on **5.9%**



Land use in our local landscape




- Agricultural land
- Urban areas
- Woodland
- Other
- Heathland

The Problem

Source: Corine Land Cover inventory





“There is no emergency service for nature. We farmers are like paramedics without first aid training.”

James Baird, Home Farm Climping

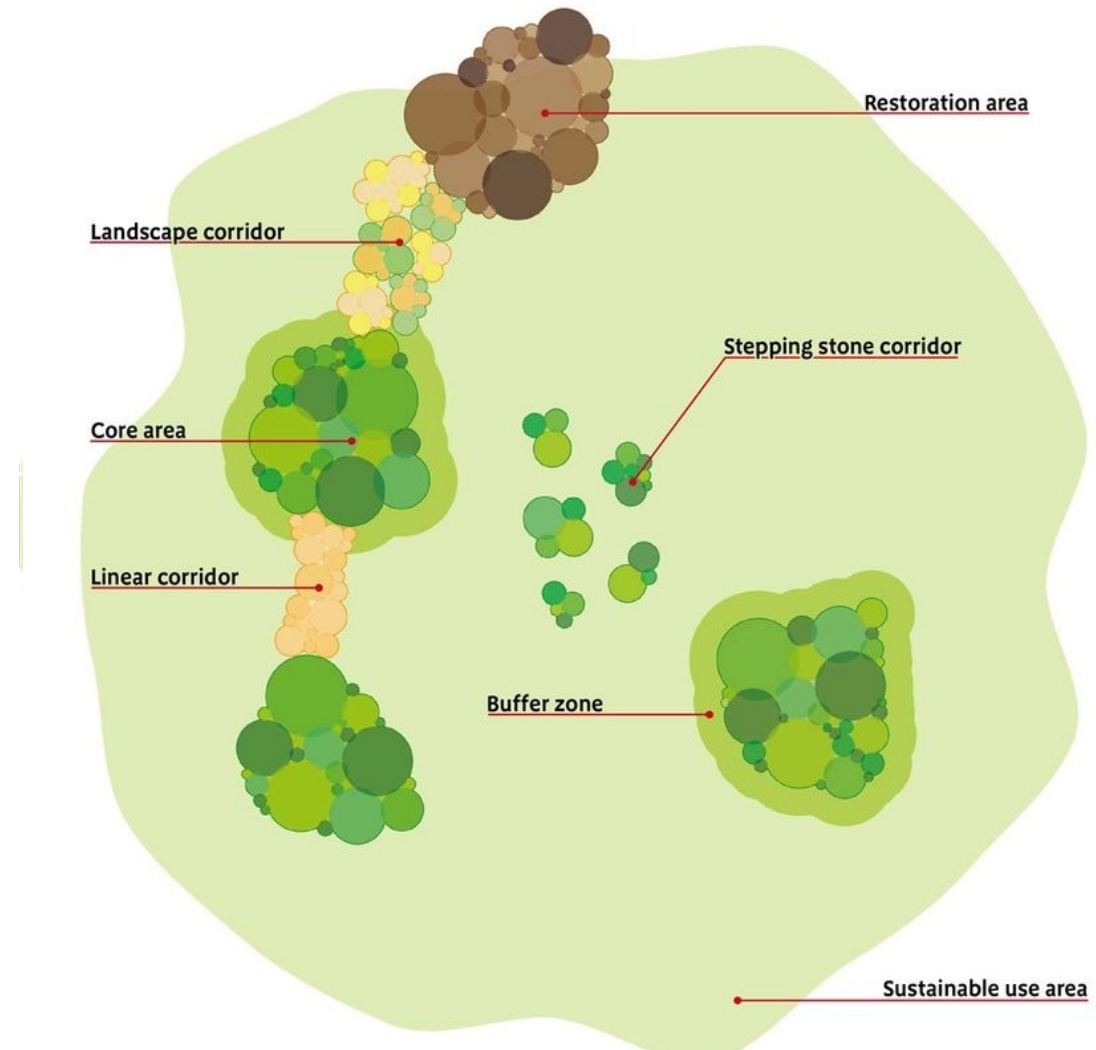


The Problem

Bigger, Better, More Joined Up

“Wildlife sites are generally **too small and too isolated**. With climate change, the situation is likely to get worse. This is bad news for wildlife but also bad news for us, because our natural environment is less able to provide the many services upon which we depend.”

Sir John Lawson, Making Space for Nature



The Solution



Example Species



Adder girl! Tunnels aim to encourage British snakes to mix and breed

Trust builds passes under road bisecting Berkshire commons for increasingly endangered venomous snake



📷 One of the tunnels under the road in Greenham Common nature reserve near Newbury, Berkshire. Photograph: David Levene/The Guardian

How did the adder cross the road? It didn't - it was too scared.

Now, however, road-shy populations are being given a helping hand by tunnels.

Example Species



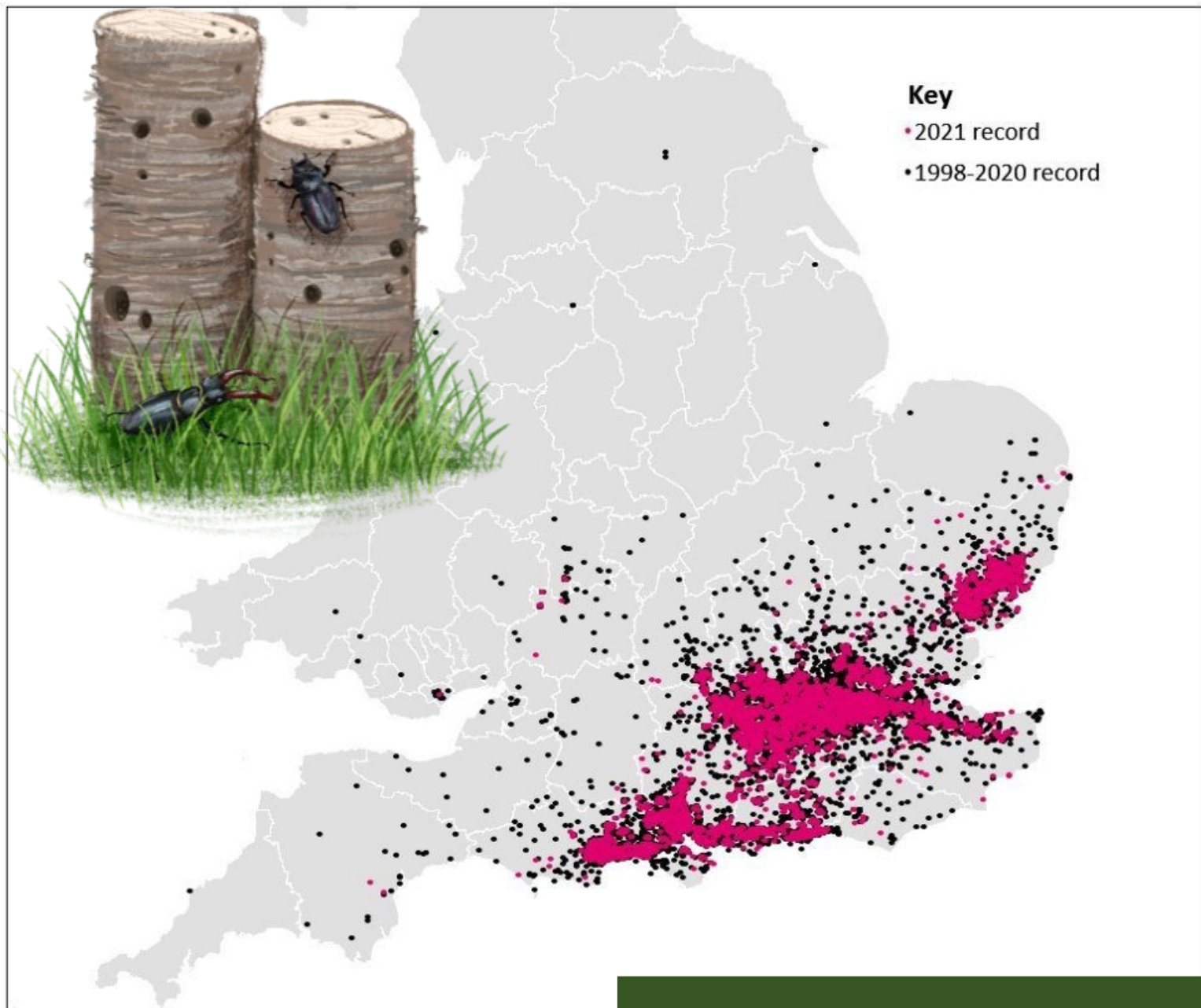
Example Species



Example Species



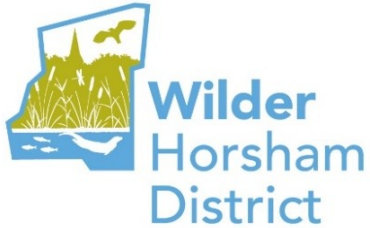
Example Species



Contains Ordnance Survey data © Crown copyright and database

Source: (PTES) <https://ptes.org/campaigns/stag-beetles-2/stag>

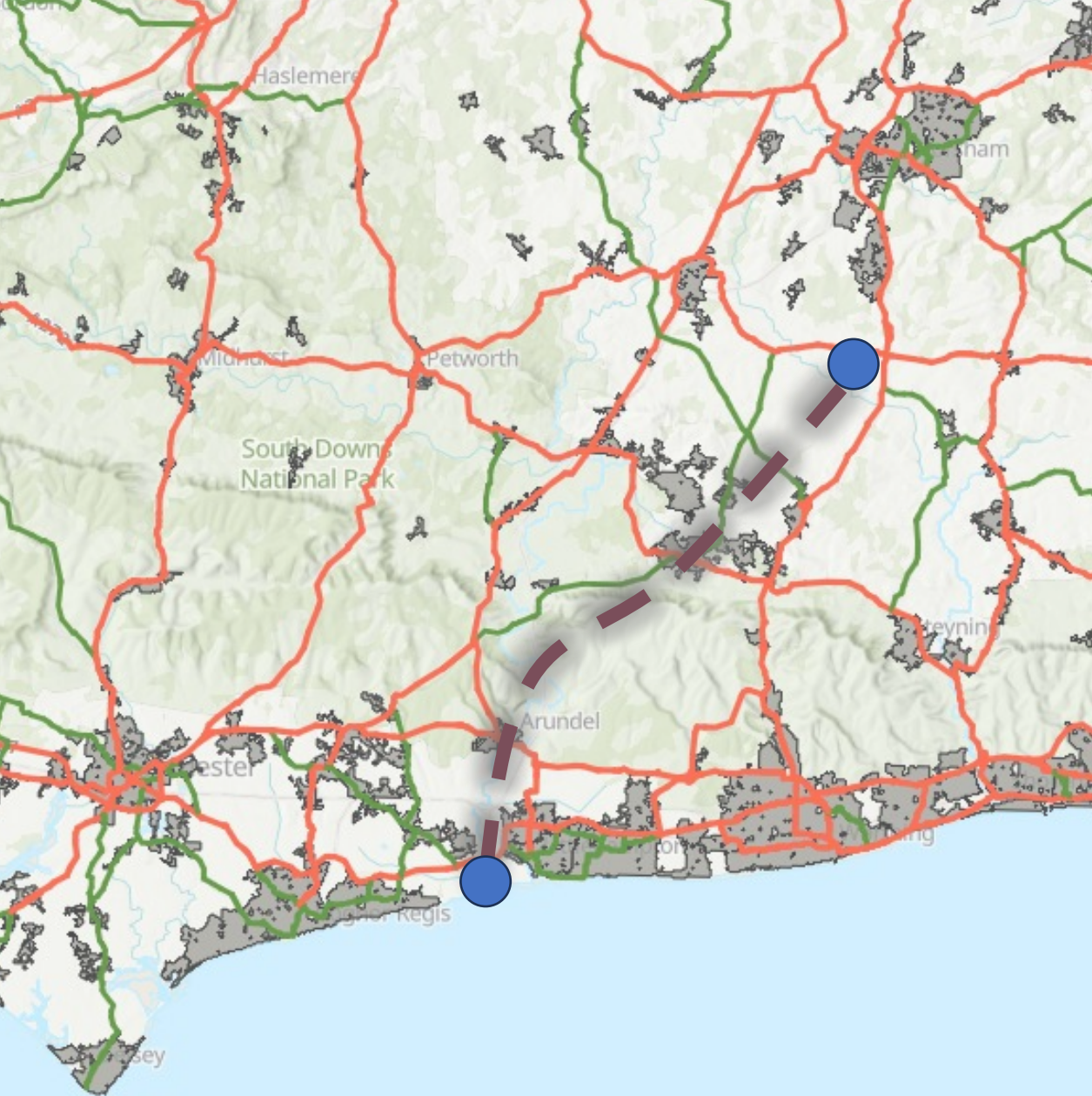
Example Species



Regional
Collaboration



Our Project



How Sussex farmers plan to rewild a nature-rich green corridor to the sea

Weald to Waves project aims to boost biodiversity by rewilding land as part of government 'landscape recovery' pilot scheme



James Baird is the driving force behind project to link up nature-friendly farming and rewilded land from the Sussex coast to the Knepp estate. Photograph: Martin Godwin/The Guardian

When farmer James Baird read of [Isabella Tree's vision](#) for rewilded land stretching from her Sussex estate all the way to the sea at Shoreham, he knew he had to do his bit. "I've got the last bit," says Charlie Burrell, a farmer on the coast - I've got the last bit."

Our Project

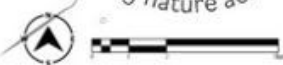


Our Project



WEALD to WAVES

Connecting nature across Sussex



Bognor Regis

Climping Gap

Littlehampton

Worthing

Worthing

Shoreham

Brighton

Lewes

Newhaven

Uckfield

Ashdown Forest

Haywards Heath

Burgess Hill

Kingley

Pulborough Brooks RSPB

Pulborough

Petworth

Billingshurst

Horsham

St. Leonards Forest

Crawley

Haslemere

Sussex Kelp Restoration

Goal 1

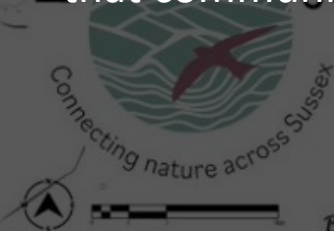
To create a **nationally significant wildlife corridor** of 100 miles and over 20,000 hectares as a ribbon of largely contiguous natural habitat.

Goal 2

To promote **nature as a provider of vital ecosystem services**; backed by sustainable farming and a reduction of the pollutants that are compromising our land and seascapes.

Goal 3

To **engage people and communities across Sussex** by creating new opportunities to understand, enjoy and protect nature so that communities can thrive alongside nature.



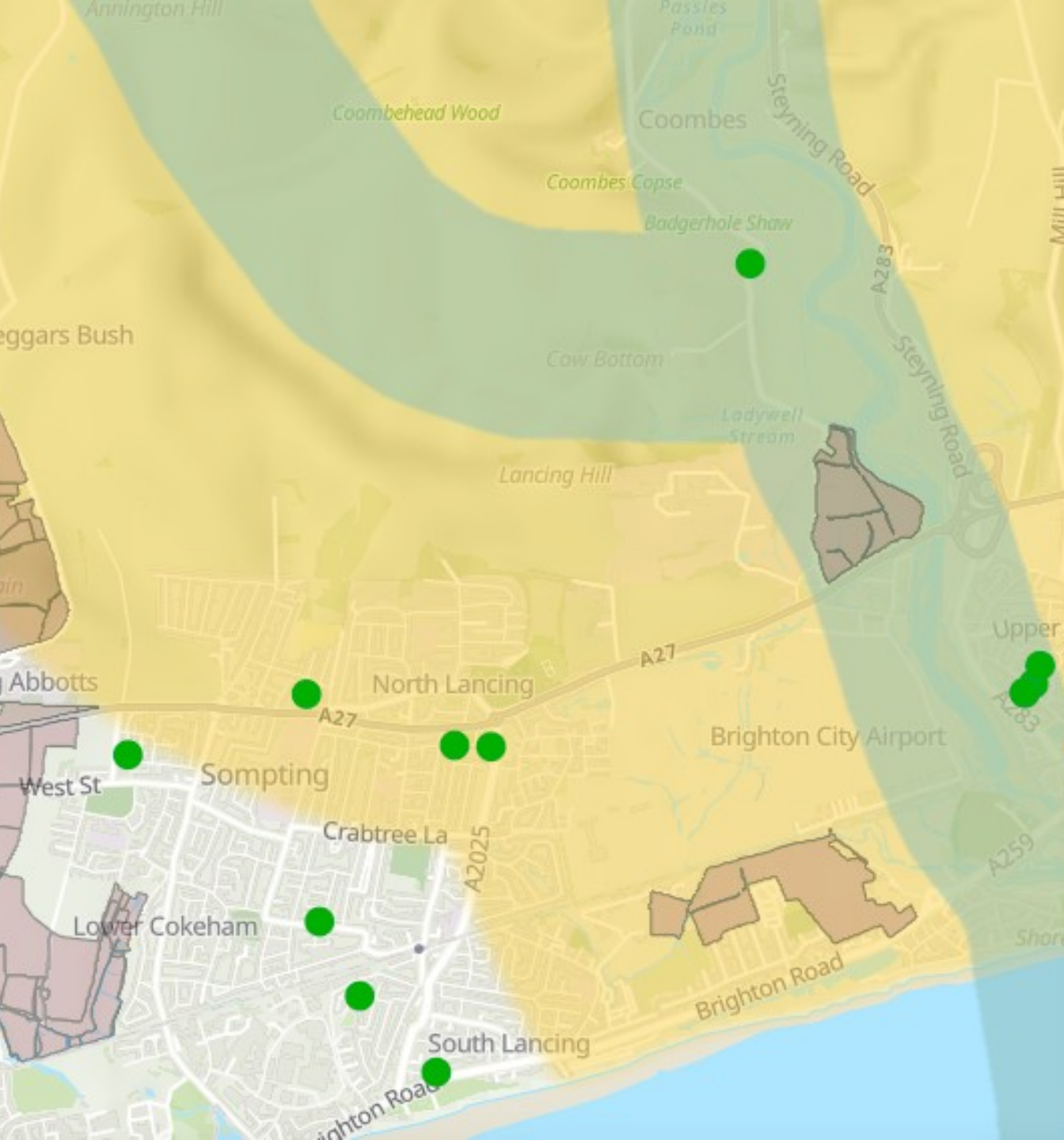
Our Project



Farmers & Landowners

Restoring a ribbon of nature-positive farmland

Our Project



Pledged Land: Titch Hill Farm, Sompting Estate



Zoom to



< 1 of 6 >

Sompting Estate represents a key point of connectivity in the landscape, linking land close to the sea, with great value for migrating birds, to the rest of the Weald to Waves corridor to the north. The Estate comprises about 7 sq. km. of countryside in the heart of the Sussex Downs, between Worthing and Steyning, at the narrow Park.

Our Project



Gardens & Greenspaces

Gardens are stepping stones across our fragmented landscape.
Join us and join the dots.

[Our Project](#)



Our Project



Gardens & Greenspaces

REGISTER YOUR INTEREST

Please complete all of the following questions.

BEGIN

Our Project



What are Corridors?



What are Corridors?



What are Corridors?



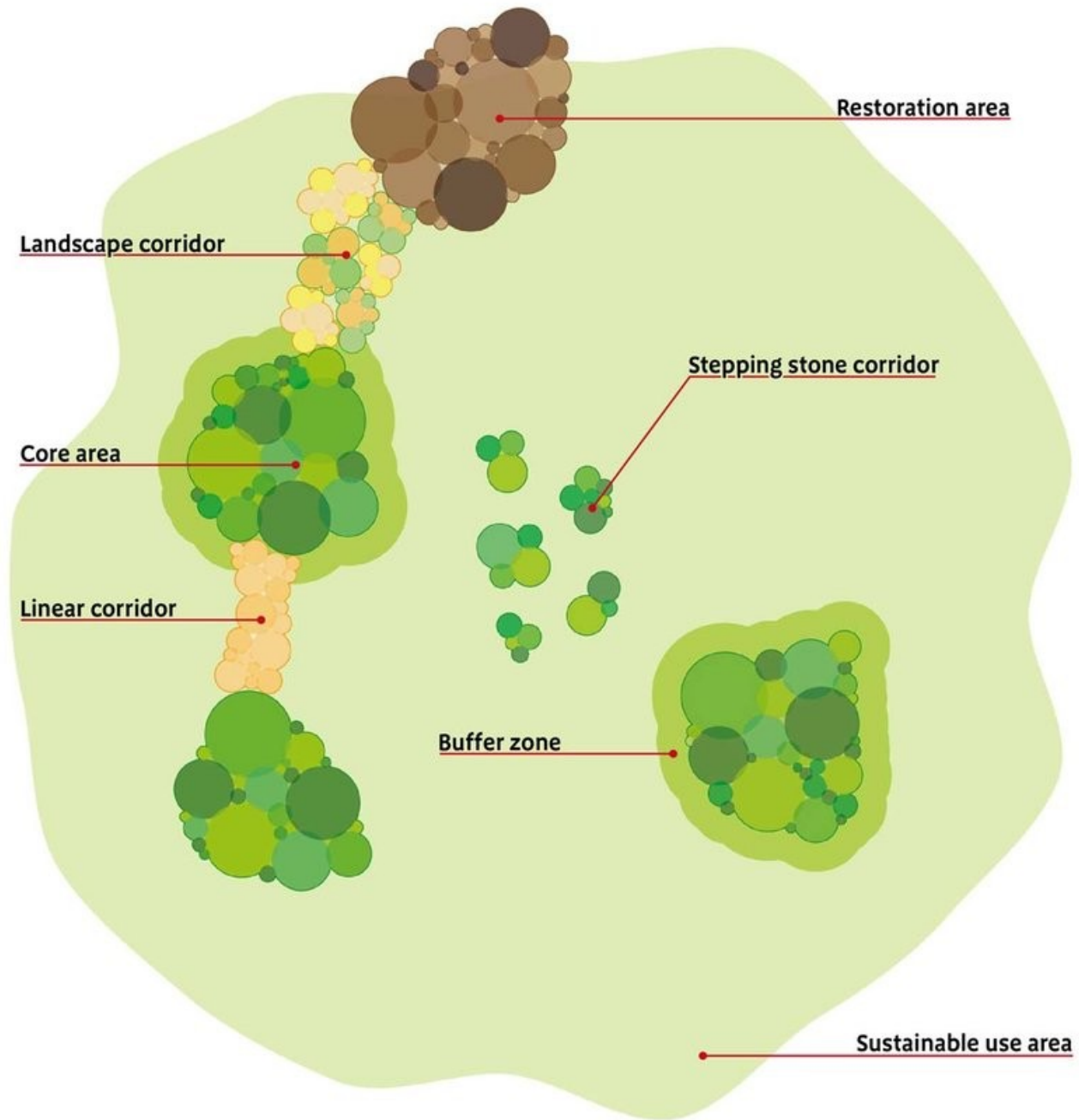
What are Corridors?



What are Corridors?

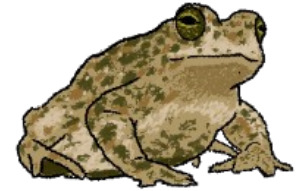


How can we make this a reality?



What are Corridors?

Connectivity for Species



What Do These Species Need?

Connectivity for Species



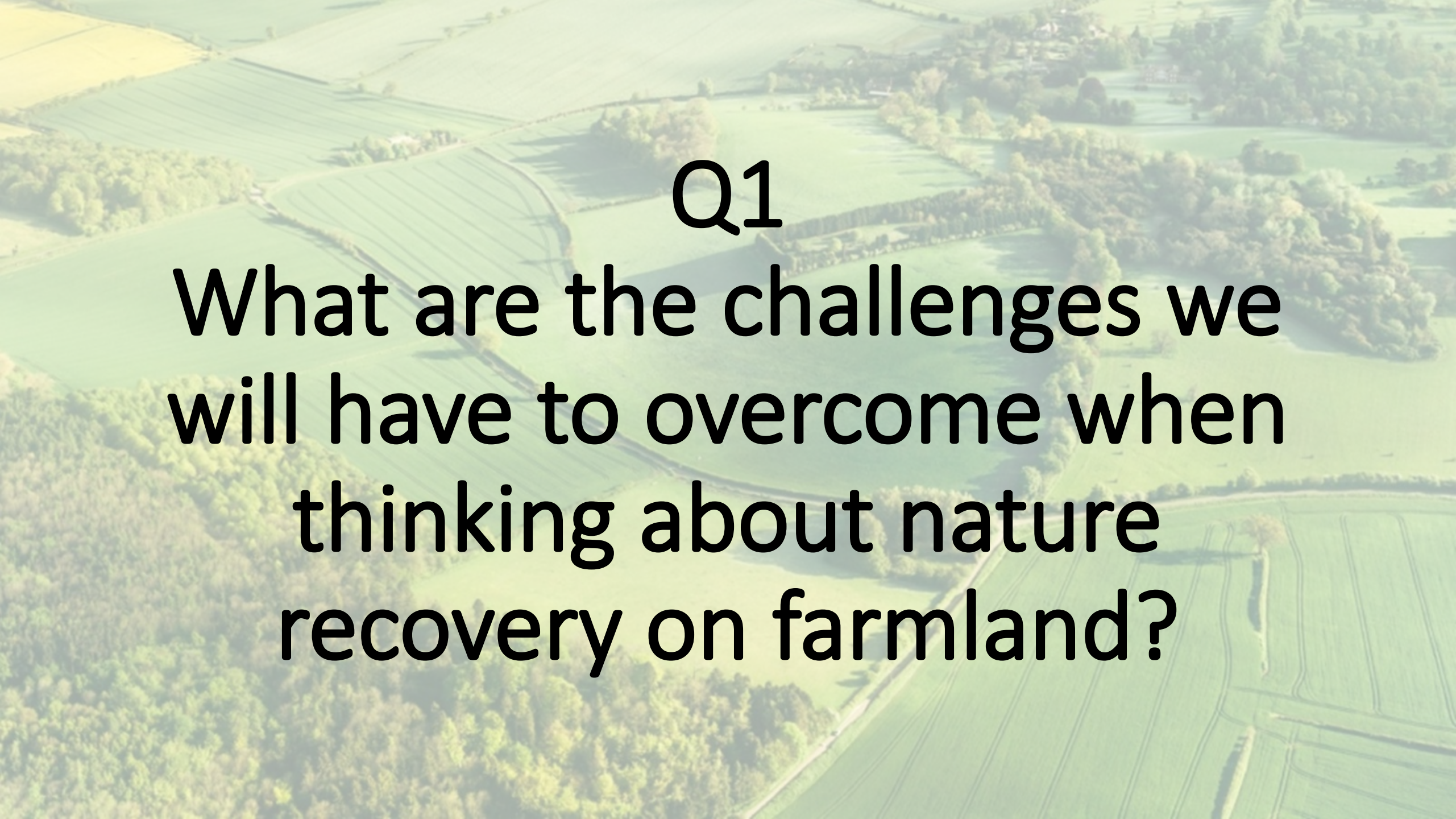
- Blocked by physical barriers (walls, fences)
- Travel long distances every night to forage
- No pesticides!

- Connected linear features
- Structure! Woodland and hedgerows
- Roost and feeding habitat

- Migration routes – road crossings
- Chains of water features
- Overwintering sites

What Do These Species Need?

Break!

An aerial photograph of a rural landscape. The scene is dominated by vibrant green agricultural fields, some of which are divided into smaller plots by narrow paths or ditches. A prominent feature is a winding river or stream that flows through the center of the landscape, bordered by lush green trees and vegetation. In the background, there are clusters of buildings, likely a small village or farmstead, surrounded by more trees. The overall atmosphere is peaceful and scenic, representing a typical rural environment.

Q1

What are the challenges we will have to overcome when thinking about nature recovery on farmland?



Herdwick sheep in Wasdale, Lake District / Baz Richardson

Farm Challenges

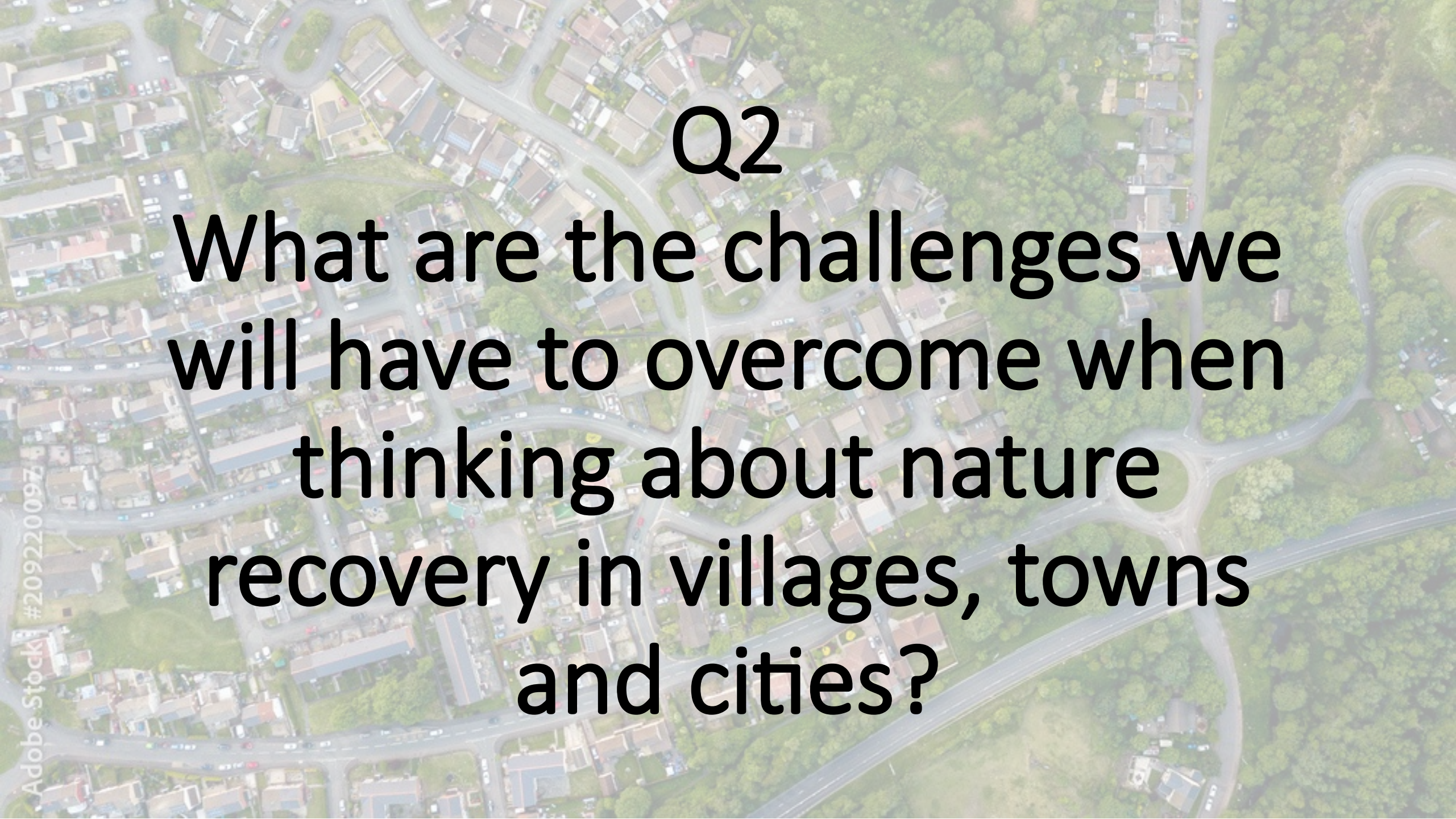


Farm Challenges



Farm Challenges

- <https://www.youtube.com/watch?v=00bL3K8ZFPA>
- 11:10-13:10



Q2

What are the challenges we will have to overcome when thinking about nature recovery in villages, towns and cities?

How can we improve habitats and connectivity?



A person is walking away from the camera on a gravel path that leads into a forest. The trees are lush green, suggesting a spring or summer setting. The path is flanked by grass and some purple wildflowers. The overall scene is bright and natural.

Access to Nature

Social Challenges

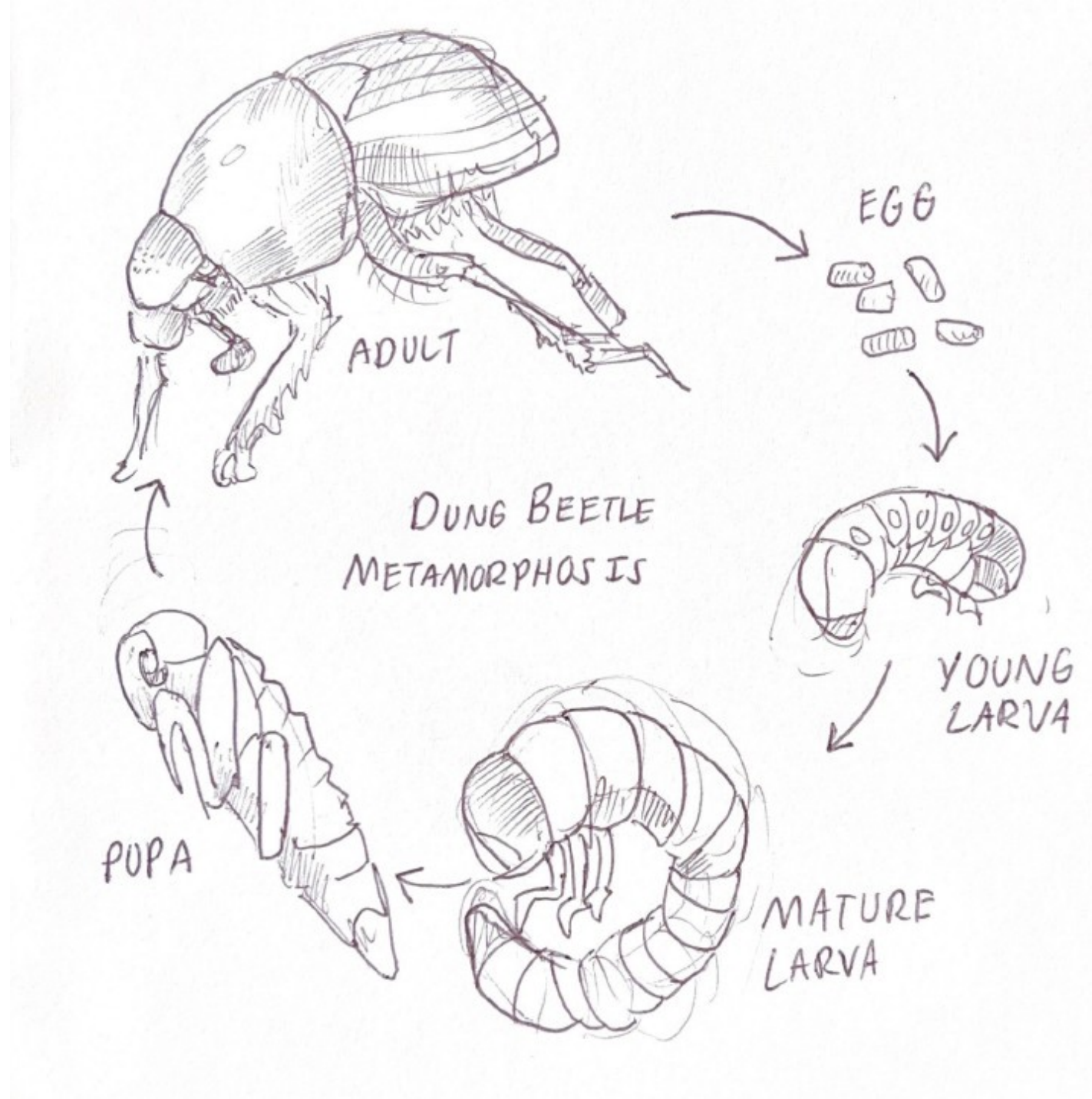


Social Challenges



Violet Dor Beetle

- Save farming industry £367 million per year
- 60 species found at in the UK,



Violet Dor Beetle

- Survey conducted found 23 at Knepp (12,000 individuals in total)
- Rarest was the violet dor beetle - first found in Sussex in over 50 years



Wild Data

WELCOME TO KNEPP'S KNOWLEDGE HUB

STORIES

SPECIES SPOTLIGHTS

SURVEYS & REPORTS





Violet Dor Beetle

by Katie Bolton | 14 Aug 2024 | [Explore](#), [Species Spotlights](#)

Humans are much more reliant on dung beetles than we think; although this species is the rarest in the UK, it provides essential support in farming and spreading nutrients throughout the landscape.

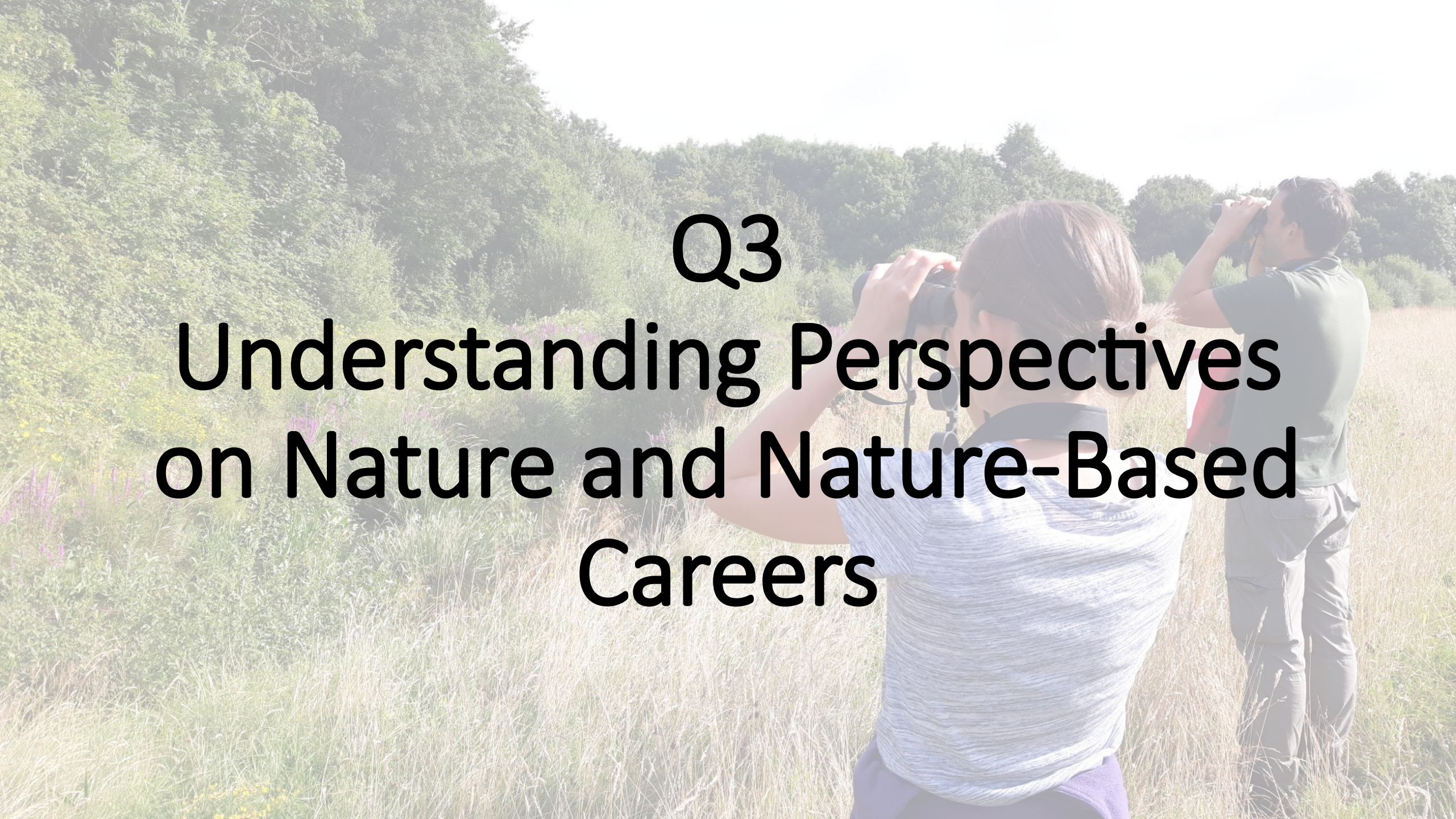
Tags: [Insects](#) | [Parkland](#) | [Scrubland](#)





How to Build a Wildlife Corridor

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A photograph of two people standing in a field of tall grass and wildflowers, looking through binoculars. The person in the foreground is wearing a light blue and white striped shirt, and the person in the background is wearing a green shirt. The background is a dense line of green trees under a bright sky.

Q3

**Understanding Perspectives
on Nature and Nature-Based
Careers**