

# SCOTTISH BIODIVERSITY DATA

What do we need? ●

Rachel Tierney, SBIF Development Officer

*18<sup>th</sup> November 2019*

*Scottish Biodiversity Science Conference*

*@sb\_info\_forum  
#SBIFReview*





*...the climate crisis has already been solved. We already have all the facts and solutions. All we have to do is to wake up and change.*

—  
Greta Thunberg

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#SBIFReview



# A Review of the Biological Recording Infrastructure in Scotland

By the Scottish Biodiversity Information Forum



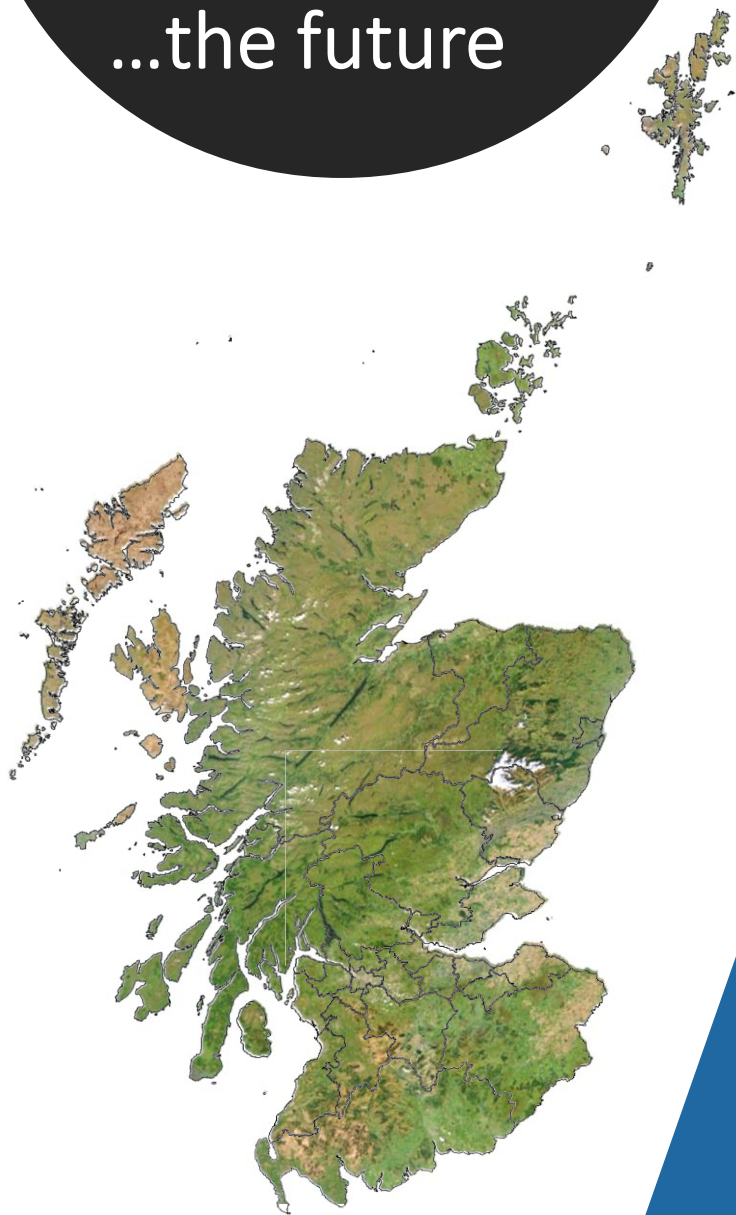
Enabling Scotland to be a global leader for biodiversity

The grid contains the following logos and organizations:

- Outer Hebrides Biological Recording
- adfordshire Natural History Society
- bristol museum & art gallery
- HERIOT WATT UNIVERSITY
- Highland Biological Recording Group
- JNCC
- National Museums Scotland
- TWEEDECOLOGY
- Bumblebee Conservation Trust
- Scarabaeoidae Recording Scheme
- Dawlish Warren Recording Group
- HIGHLAND ASPEN GROUP
- UK Ladybird Survey
- NATURAL HISTORY MUSEUM
- NBN National Biodiversity Network
- TWIC
- southern uplands partnership living land, living community
- THE MAMMAL SOCIETY
- environmental
- Biodiversity Solutions
- Clyde Porpoise c.i.c.
- NATIONAL MUSEUMS NORTHERN IRELAND
- Renfrewshire Council
- NATURAL ENGLAND
- NESBReC
- Scottish Natural Heritage Duilchas Nàdar na h-Arba nature.scot
- cofnod
- southern uplands partnership living land, living community
- Bedfordshire Invertebrate Group
- TRUE HARVEST SEEDS
- Lothians and Borders Mammal Group (LaBMAg)
- devonbirds WATCH...ENJOY...PROTECT
- Dumfries & Galloway
- SEPA Scottish Environment Protection Agency
- Scottish Wildlife Trust
- Stirling Council
- Argyll & Bute Council
- Sussex Biodiversity Record Centre
- giving nature a home
- Science
- British Regional Environmental Records Centre
- CHORLEY AND DISTRICT NATURAL HISTORY SOCIETY
- Clearwing Ecology
- ARC environmental resources centre
- €ARG Clyde Amphibians and Reptile Group
- SOUTH LANARKSHIRE COUNCIL
- South West Scotland Environmental Information Centre
- GiGL Geospatial Information for Greater London GIC the capital's environmental records centre
- Littlewood Ecology
- Aberdeenshire Council
- Bat Conservation Trust
- leisure & culture DUNDEE
- EDF ENERGY
- Landcare NorthEast
- ALERC Association of Local Environmental Records Centres
- Auchenorrhyncha Recording Scheme for Britain & Ireland Leafhoppers, planthoppers, froghoppers, treehoppers & cicadas
- Angus Council
- BRISC BIOLOGICAL RECORDING IN SCOTLAND
- Edinburgh Napier UNIVERSITY
- CENTRE FOR STEWARDSHIP
- BRC Biological Records Centre
- Botanical Society of Britain & Ireland
- British Arachnological Society
- the National Trust for Scotland a place for everyone
- SWT Stirling & Clackmannanshire Local Group
- NBIS Norfolk Biodiversity Information Service
- Fife COUNCIL
- Royal Botanic Garden Edinburgh
- Centre for Environmental Data and Recording CEDaR
- British Dragonfly Society Tachinid Recording Scheme
- BDS
- BTO Looking out for birds
- buglife
- Butterfly Conservation Saving butterflies, moths and our environment
- NORTH-EAST SCOTLAND BIODIVERSITY
- Soldierflies and Allies Recording Scheme
- Forestry Commission Scotland Coimisean na Coilltearachd Alba
- weevil Recording Scheme
- Tayside Biodiversity Partnership
- East Haven Together
- CIEM Chartered Institute of Ecology and Environmental Management
- Scottish Ornithological Club Lothians branch
- CBDC
- THE UNIVERSITY OF EDINBURGH
- FSC BRINGING ENVIRONMENTAL UNDERSTANDING TO ALL
- Library Network for Biodiversity
- Falkirk Council
- Scottish Borders COUNCIL
- Scottish Water
- BIODIVERSITY THE VARIETY OF LIFE
- East Haven Together
- Fife Nature records centre
- museums
- University of St Andrews
- agroecosystems natural resource management
- Norfolk County Council
- eri environmental research from a new perspective
- Plantlife Scotland
- Lothians and Fife Swan and Goose Study Group
- AMERICAN MOTHS RECORDING GROUP G.M.R.G.
- SOC
- SBRC SHETLAND BIOLOGICAL RECORDS CENTRE
- North Ayrshire Council Comhairle Siorrachd Air a Tuath
- St Andrews Botanic Garden
- University of Glasgow
- SEWBRc SOUTH EAST WALES BIODIVERSITY RECORDS CENTRE CANOLFAN GOFNODION BIOAMRYWIAETH DE DDWYRAIN CYMRU
- WDC WHALE AND DOLPHIN CONSERVATION
- Blue Leaf Nature
- WEST WALES BIODIVERSITY INFORMATION CENTRE
- sustrans JOIN THE MOVEMENT
- Shetland Islands Council
- NORTH YORKSHIRE BAT GROUP
- TCV The Conservation Volunteers



...the future

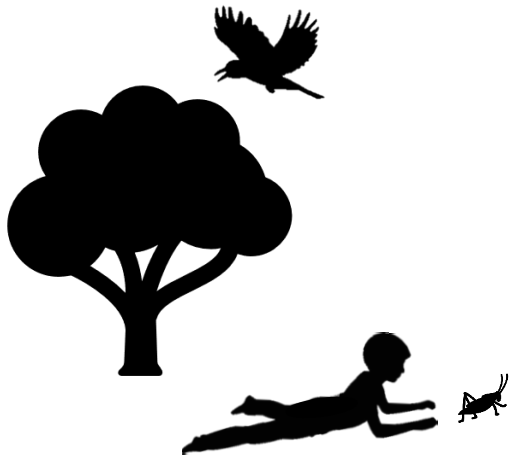


Scotland will be recognised as a world leader in looking after and improving nature



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Photo credit: HBRG



# CLEAR, AFFILIATED DATA FLOWS



# INTO CENTRAL VERIFICATION PLATFORM



# INCREASED SUPPORT FOR VERIFIERS





# FEEDBACK ON QUALITY TO RECORDER



**ALL DATA ENTER NBN ATLAS  
SCOTLAND WITH QUALITY FLAG**





DATA ACCESSIBLE TO  
EVERYONE IN SCOTLAND...



# ...FOR A WIDE RANGE OF USES



## AGRI-ENVIRONMENT



## NATURE PROTECTION



## DIGITAL TRANSFORMATION AND DATA PROVISION



## BIODIVERSITY REPORTING



## PLANNING





# FEEDBACK ON HOW RECORDS HAVE BEEN USED



## AGRI-ENVIRONMENT



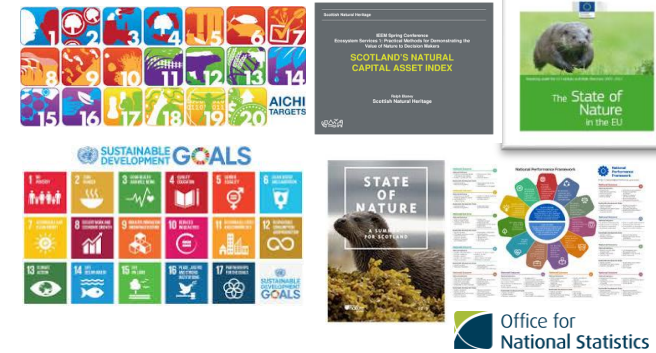
## NATURE PROTECTION



## DIGITAL TRANSFORMATION AND DATA PROVISION



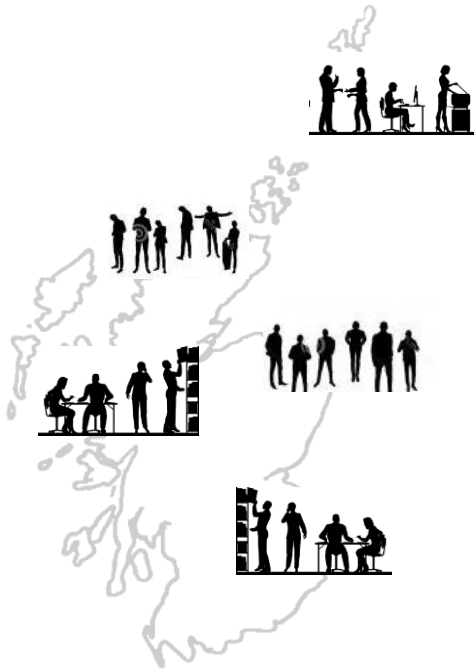
## BIODIVERSITY REPORTING



## PLANNING

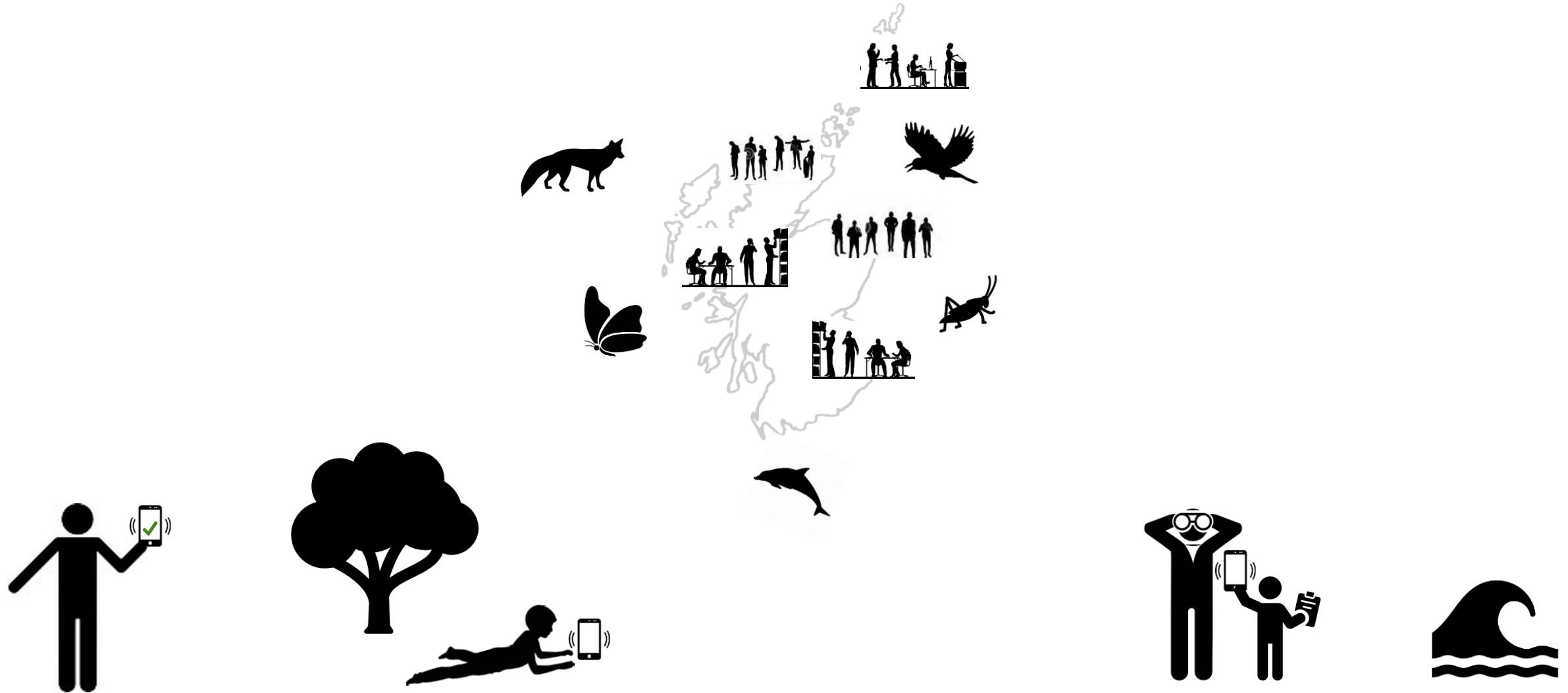


# NETWORK OF REGIONAL HUBS AND A NATIONAL HUB FOR SCOTLAND

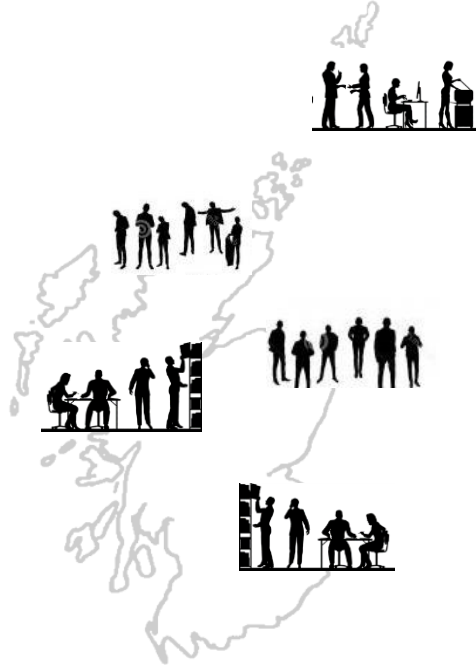
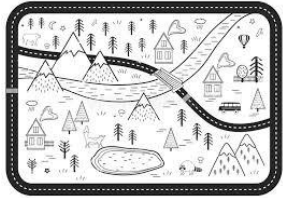




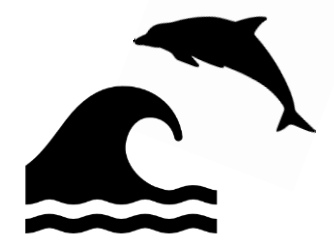
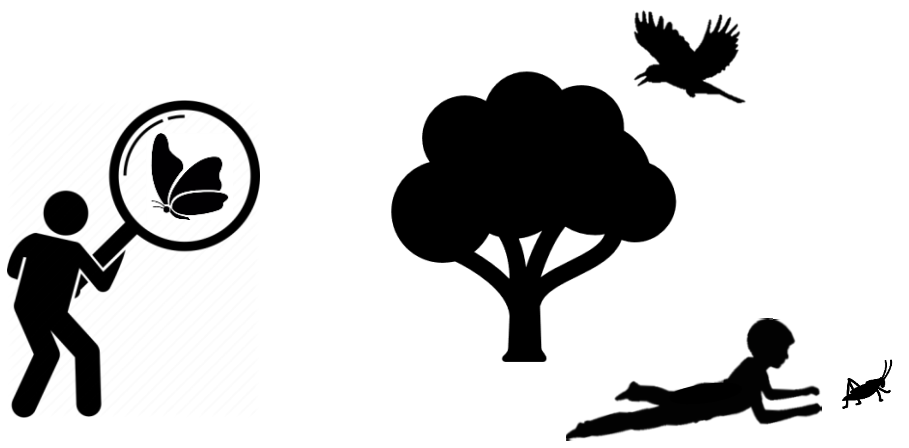
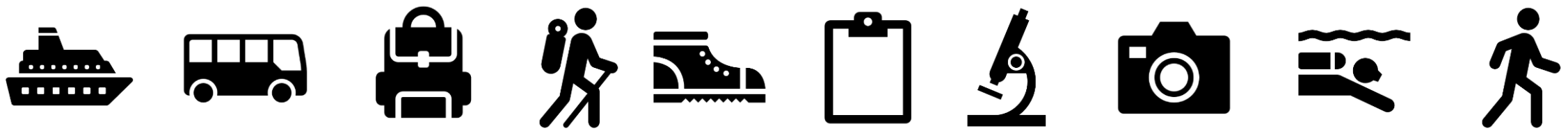
# ...USING THE CENTRAL DATA REPOSITORY



# ...PROVIDING DATA SERVICES, TRAINING AND RECORDER SUPPORT



# COMMUNITY AND SUPER PARTNER FUNDING







Programme for  
Government

State of Nature  
reporting

Digital  
Transformation

Planning

Physical health  
and wellbeing

Nature  
Conservation

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Photo credit: HBRG





State of Nature reporting

Digital Transformation

Transformed recording infrastructure

Nature Conservation

Physical health and wellbeing

Programme for Government

Planning

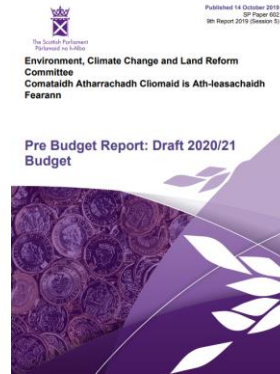
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Photo credit: HBRG



# 2019 HIGHLIGHTS

**Evidence** to Scottish Parliament's Environment Climate Change and Land Reform Committee



**Invitation to give evidence** to Scottish Parliament's Rural Economy and Connectivity Committee

**Promoted** Scotland's recording community on BBC Radio Scotland

**Winner** of CIEEM Stakeholder Engagement Award 2019

“This is the most **comprehensive** appraisal of citizen science, wildlife recording and data management to-date.”

Francesca Osowska,  
SNH CEO



ScotLINK  
@ScotLINK

Following

Very welcome statements from [@SB\\_Info\\_Forum](#) on the need to invest in monitoring and evidence gathering! This should be core component of any [#biodiversityfunding](#) policy alongside efforts for action on the ground to restore our nature to a healthy state!

[@sb\\_info\\_forum](#)  
[#SBIFReview](#)



# PURSUING TRANSFORMATIVE CHANGE

## *THE NEXT 12 MONTHS*

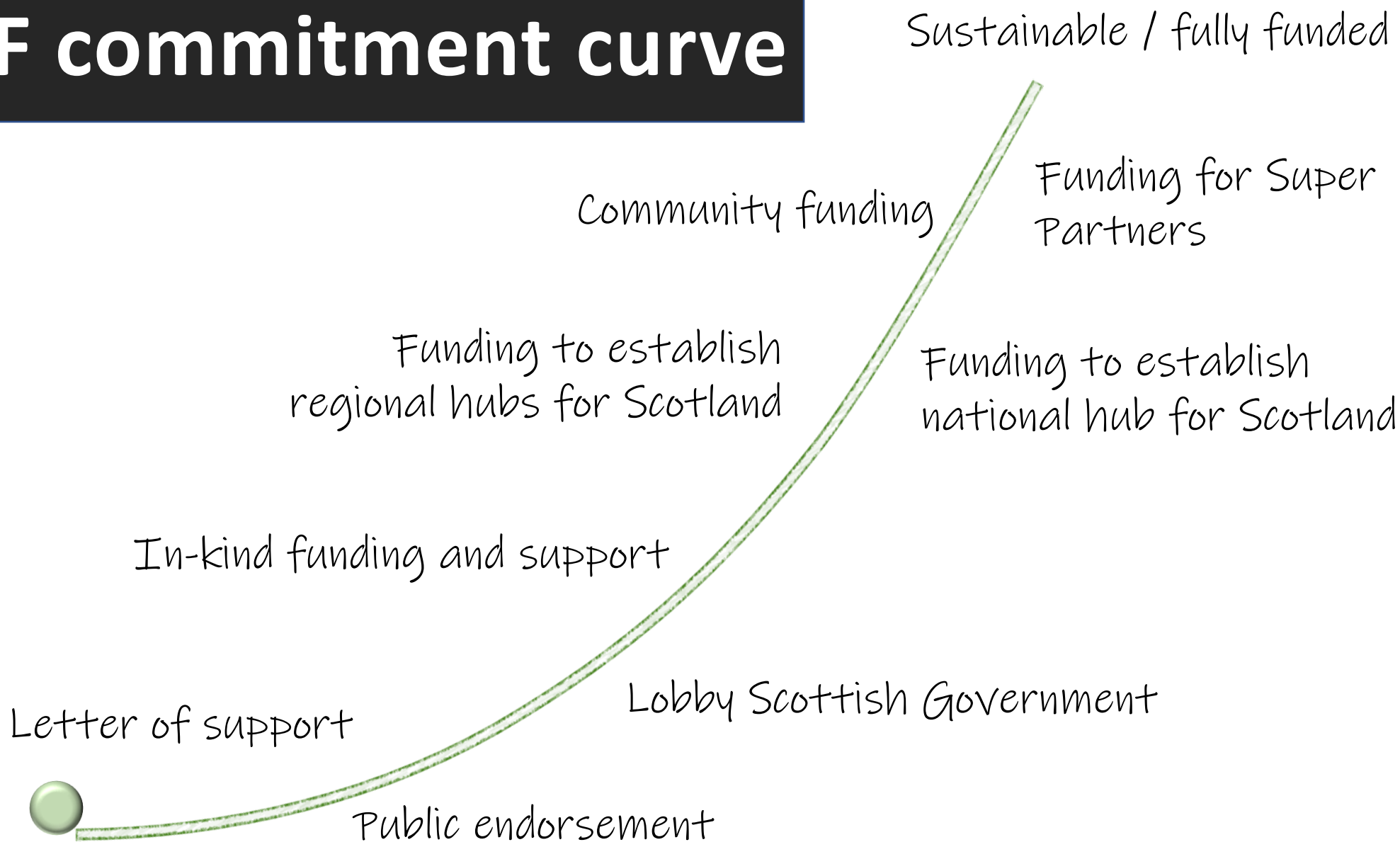
Prepare a fundable plan for investment

Attract 'innovative investment'

Maintain engagement, momentum and commitment



# SBIF commitment curve



Tell someone about the SBIF Review