

# Investing in a Nature-rich Future

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# The Challenge

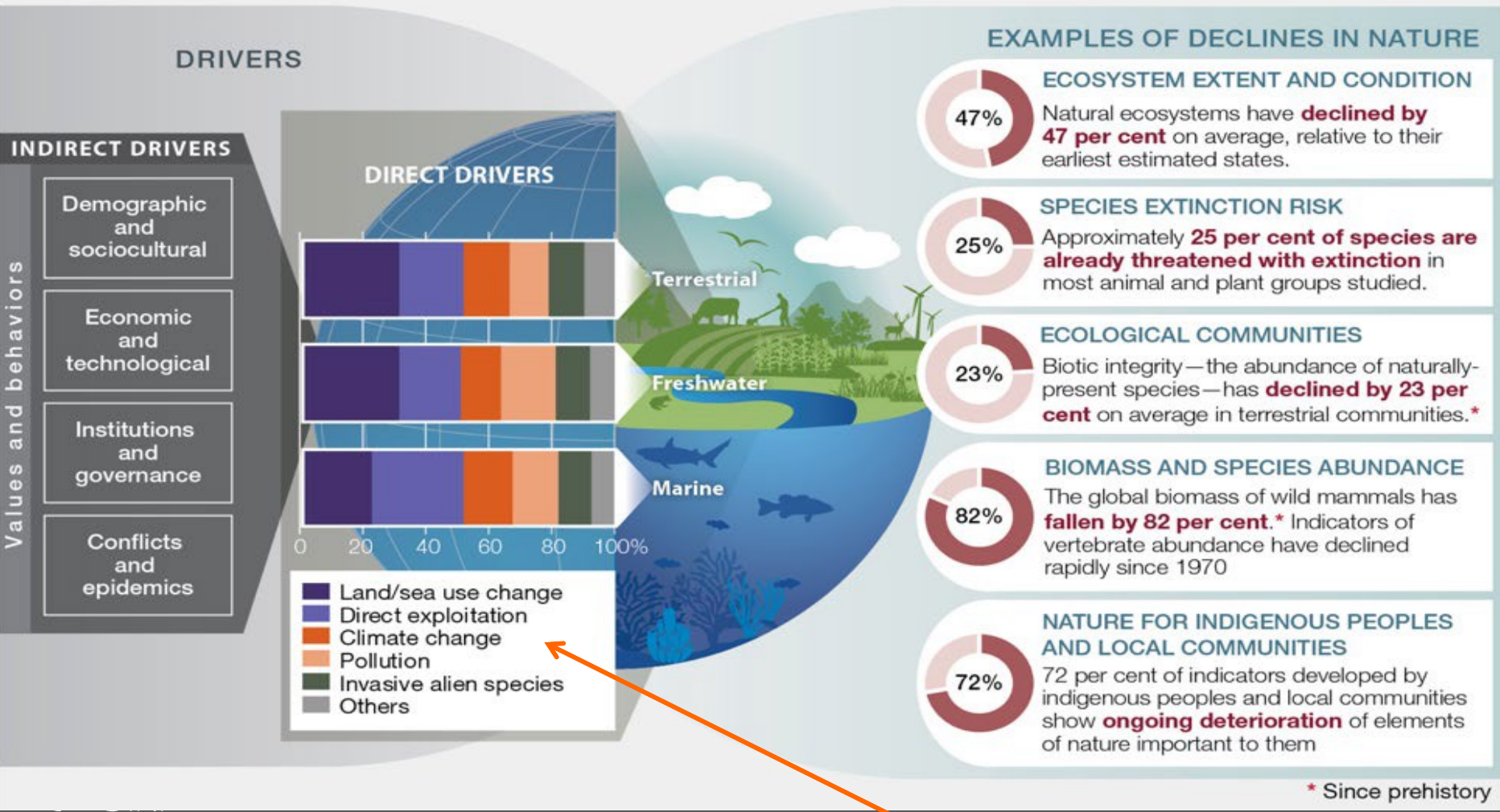
- The State of Nature – IPBES Report (International Science-Policy Platform on Biodiversity and Ecosystem Services)
- Climate Emergency - UK CCC Net Zero Report
- Public Sector funding



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# IPBES - Global picture



Climate change is a direct driver – but it also intensifies and exacerbates all of the other drivers

# Key findings – issues

- **Nature** and its vital contributions to people, which together embody biodiversity and ecosystem functions and services, are **deteriorating worldwide**.
- **Direct and indirect drivers** of change have **accelerated** during the past 50 years.
- Goals for conserving and sustainably using **nature** and achieving **sustainability cannot be met by current trajectories**, and goals for 2030 and beyond may only be achieved through transformative changes across economic, social, political and technological factors.



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# UK Net Zero - recommendations



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## Scotland

- Net zero by 2050
- 95% by 2040
- 70% by 2030
- = 6-8% p.a. from 2020
- 2009-2019 c. 3% p.a.
- **More than twice the effort to date**
- **From organisation by organisation and sector by sector to**
- **Collaborative and place-based**

# UK Net Zero - recommendations



- Existing policies and technologies – but ramped up
- Doubling of electricity demand (transport and heat)
- 20% of agricultural land for carbon sequestration (woodland, peatland restoration, bioenergy with CCS)
- Food waste and healthier diets (less red meat and dairy)



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# Public Sector Funding – 5 Year Financial Strategy, 2018

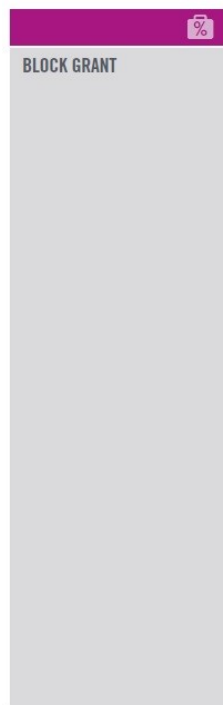
FIGURE 1.1 – SOURCES OF SCOTTISH GOVERNMENT FUNDING

## WHERE THE SCOTTISH GOVERNMENT BUDGET COMES FROM

-  AIR PASSENGER DUTY
-  SCOTTISH RATE OF INCOME TAX / INCOME TAX
-  SCOTTISH LANDFILL TAX
-  LAND AND BUILDINGS TRANSACTION TAX
-  NON DOMESTIC RATES
-  VAT
-  BLOCK GRANT

TABLE PROVIDES ILLUSTRATIVE SHARE OF BUDGET IN YEARS BASED ON ESTIMATES FROM 2017-18 FIGURES. ACTUAL PERCENTAGES IN GIVEN YEARS WILL VARY.

IN ADDITION LOCAL AUTHORITIES SET AND RAISE COUNCIL TAX TO FUND LOCAL SERVICES, BUT THIS IS OUTWITH THE SCOTTISH BUDGET.



SCOTLAND ACT 1998



SCOTLAND ACT 2012



SCOTLAND ACT 2016

ESTIMATES ONCE ALL FISCAL POWERS HAVE BEEN DEVOLVED



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Effective from 2020

# The response – common purpose

- On climate change – much more behavior change
- Reduce Land Use Emissions and increase sequestration through closer to nature land uses
  - mitigation + adaptation + state of nature
  - A nature-rich future is our best insurance against the climate emergency.



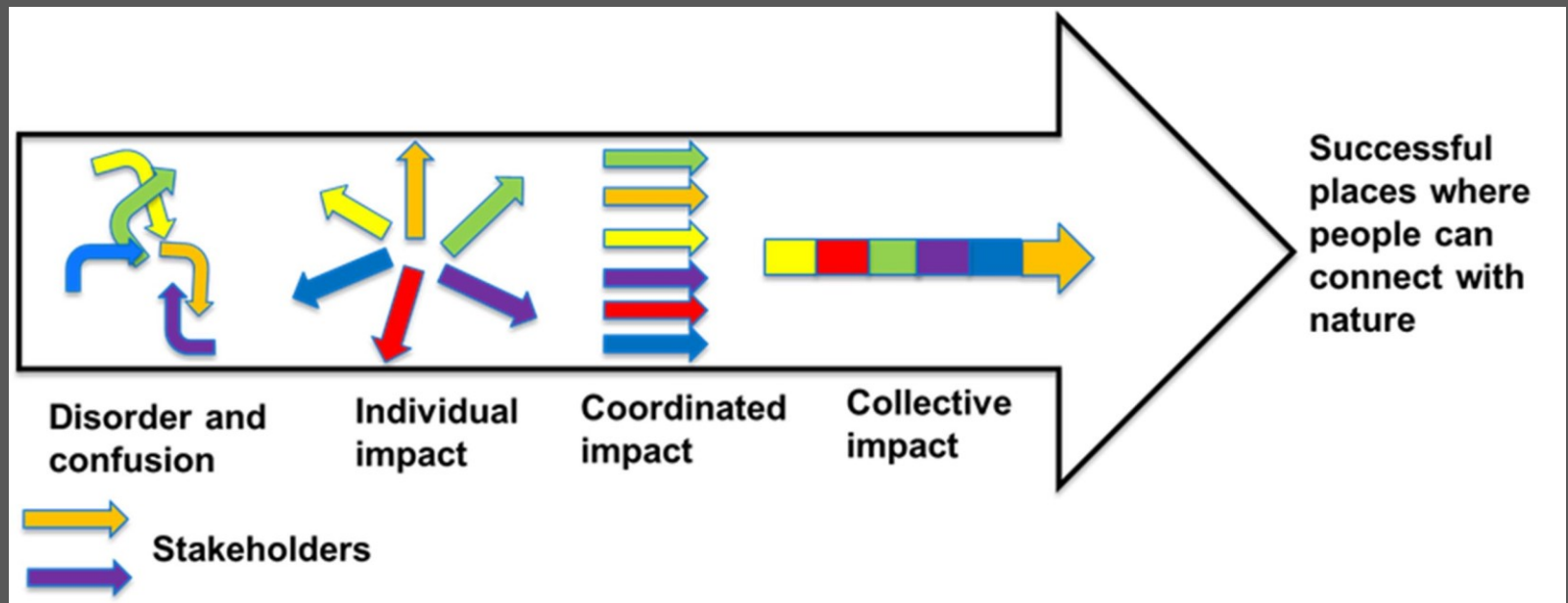
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# The response – common purpose

## – Place Principle



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# The response – funding, effort, resources

- Public sector and private sector
- De-risk investment – blended finance
- Investment at scale
- Green and grey infrastructure
- Demonstrating impact
  - Financial return
  - Avoided cost
  - Social benefit



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# Peatland restoration



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# What can you do?

- Collaborate – place-based
- Align effort and budgets
- New sources of funding
- Invest in natural assets
- Decisions: what does proposed action contribute to a net zero economy?
- Plan – do – check - act



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**Thank you!**

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