



ADEPT CONFERENCE

DELIVERING THE 25 YEAR ENVIRONMENT PLAN

21st November 2019

DIETER HELM
Professor of Economic Policy, University of Oxford

AGENDA

- The 2011 White Paper
- NCC & the 25 year Environment Plan
- Creating a baseline
- Getting it done efficiently

Environment Bill

CONTENTS

PART 1
ENVIRONMENTAL GOVERNANCE
CHAPTER 1
IMPROVING THE NATURAL ENVIRONMENT

Environmental targets

- 1 Environmental targets
- 2 Environmental targets: particulate matter
- 3 Environmental targets: ozone
- 4 Environmental targets: reporting duties
- 5 Environmental targets: other

Environmental improvement plans

- 7 Environmental improvement plans
- 8 Annual reports on environmental improvement plans
- 9 Reviewing and setting environmental improvement plans
- 10 Reviewing and setting plans: climate targets
- 11 Reviewing and setting plans: other requirements
- 12 Reviewing and setting plans: improvement plans
- 13 Reviewing plans: specific targets
- 14 Reviewing plans: other requirements

Environmental monitoring

- 15 Environmental monitoring

Policy statement on environmental principles

- 16 Policy statement on environmental principles
- 17 Policy statement on environmental principles: ozone
- 18 Policy statement on environmental principles: other

863 972



THE 2011 WHITE PAPER

Overarching objective

“to be the first generation to leave the natural environment in a better state than it inherited”.

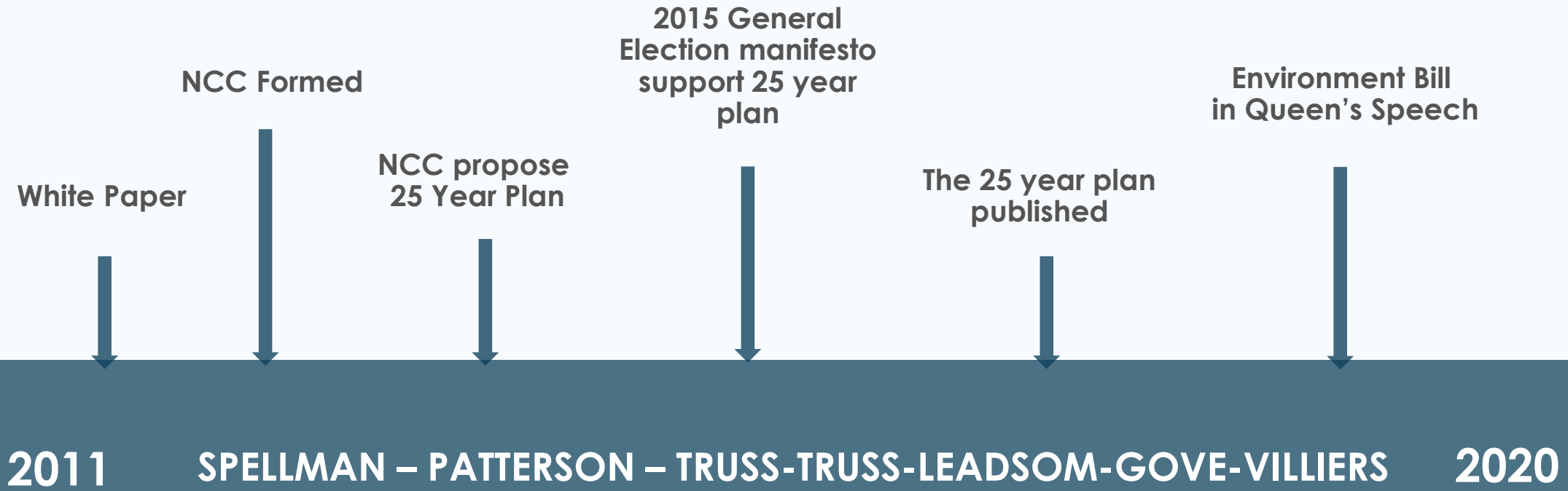
Environment
at the
heart of the
Economy

Created the NCC

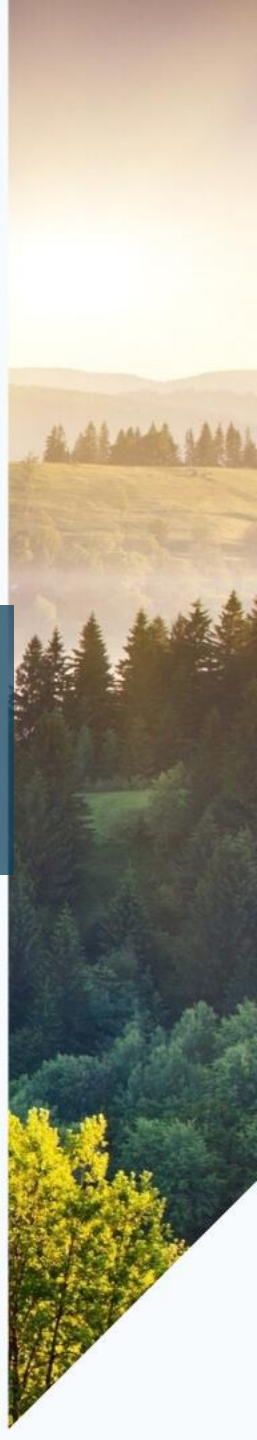
HM Government

The Natural Choice:
securing the value
of nature



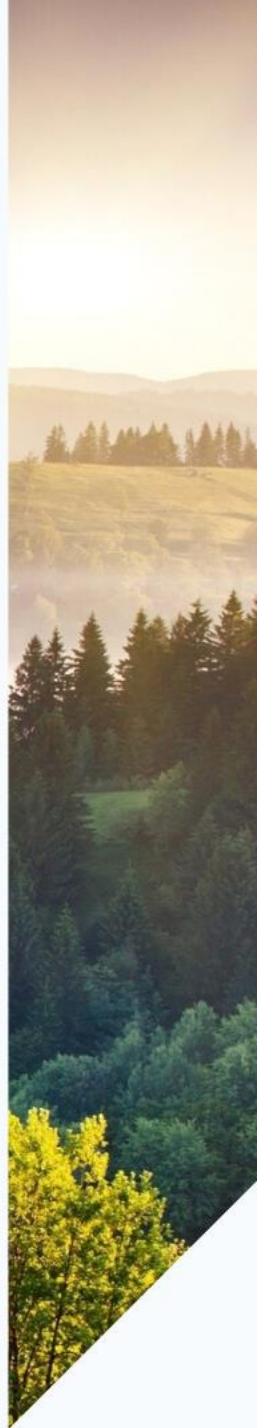


THE NCC & THE 25 YEAR PLAN



THE NATURAL CAPITAL BASELINE

- Define natural capital
- Identify asset base
- Create risk register
- Estimate baseline
- Identify possible enhancements
- Re-estimate baseline with enhancements
- Identify revenue streams
- Take part in natural capital auctions
- Implement



NATURAL CARBON SEQUESTRATION & NET ZERO

- What net zero really means – net zero carbon consumption
- The carbon consumption problem – imports & individuals
- Sequestration – natural and CCS
- Multiple pay-offs – soils, peat, trees, water flows, biodiversity, health



A GREENER AND MORE PROSPEROUS OUTCOME

BETTER AIR QUALITY	GREENER EVERYWHERE	CLEAN RIVERS	VALUABLE WASTES
PUBLIC HEALTH	PUBLIC HEALTH MENTAL HEALTH	WATER QUALITY BETTER BIODIVERSITY	REGULATION VALUE ADDED
	GREEN SPACES IN CITIES	BETTER SOILS	
	CHILDREN'S WELFARE CARBON SEQUESTRATION	BIODIVERSITY REDUCTION IN CHEMICAL INPUTS	

MAKING IT ECONOMIC

THE THREE CORE PRINCIPLES

**PUBLIC MONEY
FOR
PUBLIC GOODS**

**POLLUTER
PAYS
PRINCIPLES**

**NET
ENVIRONMENTAL
GAIN**

**ALL
JUST
GOOD
101 ECONOMICS**



MAKING IT HAPPEN

A NEW INSTITUTIONAL FRAMEWORK

- LEGAL FRAMEWORK FOR SETTING THE OVERARCHING OBJECTIVE:

“to be the first generation to leave the natural environment in a better state than it inherited”.

- GOALS, TARGETS & METRICS
- GIVING THIS DUTY TO A SINGLE BODY

PROVIDING FULL STATUTORY SUPPORT

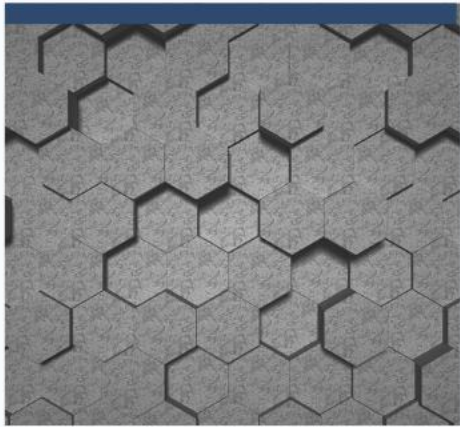
- AN INDEPENDENT ENFORCING OEP – AN EPA
- RESTRUCTURING THE EA TO MAKE IT FIT FOR PURPOSE



MAKING IT HAPPEN

TECHNOLOGY

- THE DIGITAL TRANSFORMATION OF AGRICULTURE
- MAPPING LAND USE IN REAL TIME
- MAPPING SOILS AND CREATING BASELINES



MAKING IT HAPPEN

PAYING FOR IT ALL

- (i) PUBLIC SUBSIDIES ■ FROM THE CAP -> £3 BILLION FOR PUBLIC GOODS
- (ii) POLLUTER TAXES ■ DEPLOYING THE REVENUES
- (iii) NET GAIN PAYMENTS ■ PAYING FOR ENHANCEMENTS

NATURE FUND

$$= (i) + (iii) - (i)$$



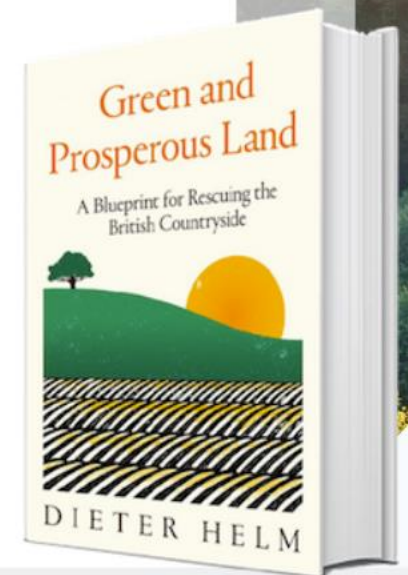
A GREEN & MORE PROSPEROUS LAND

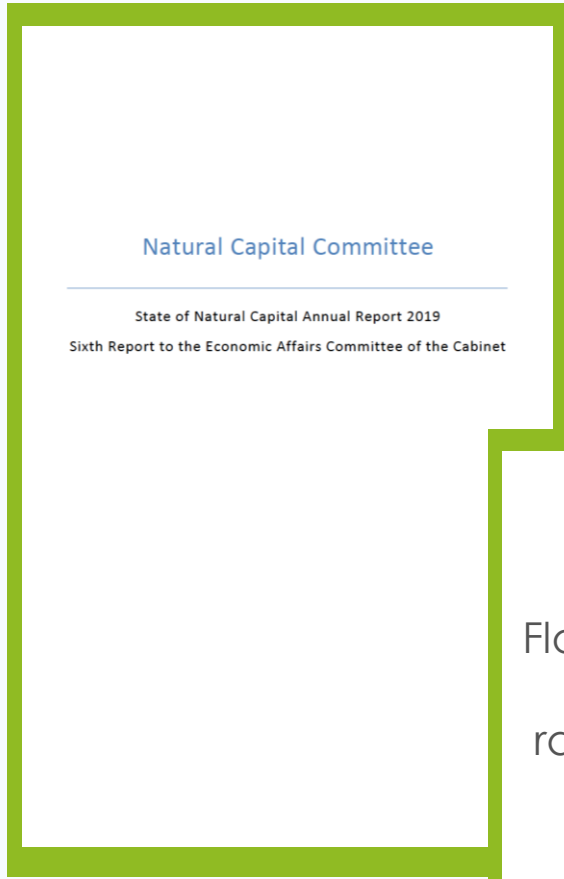
WHAT'S NOT TO LIKE ABOUT THIS?

AVOIDING

A HOTTER, MORE BARREN WORLD

MORE COST, MORE WASTE, MORE SYSTEMIC RISKS TO COME





Natural Capital Network Paper 6.

Waste policy – tidying up the mess

**Dieter Helm
May 2017**



Natural Capital Network Paper 5.

British Agricultural Policy after BREXIT


**Dieter Helm
Sep 2016**



Natural Capital Network Paper 4.

Green Bonds for Natural Capital – some issues


**Dieter Helm
Jun 2016**



Natural Capital Network Paper 3.

Flood defence: Time for a radical rethink

**Dieter Helm
Jan 2016**



Natural Capital Network Paper 2.

In defence of the green belt


**Dieter Helm
April 2015**



Natural Capital Network Paper 1.

Catchment management, abstraction and flooding

**Dieter Helm
Feb 2015**



FOR INFORMATION
WWW.DIETERHELM.CO.UK



BOOKS

