

Press release: Anglers reminded close season runs from 15 March to 15 June

No fishing for coarse fish in rivers from 15 March to 15 June

The Environment Agency is reminding anglers the 'close season' for coarse fish in rivers comes into effect today (Thursday 15 March) and runs until 15 June. The close season prevents fishing for coarse fish, like barbel and chub, for 3 months to give the fish a chance to breed. The close season applies to all rivers, streams and drains in England but does not apply to most still-waters and canals.

During the close season Environment Agency enforcement offices along with support from the Angling Trusts Voluntary Water Bailiffs will be out on rivers and streams making sure people are observing the close season. They will also be checking lakes and ponds to make sure people who are fishing have a valid rod licence. Anyone fishing without a fishing licence can be expected to be prosecuted.

Kevin Austin, Deputy Director, Agriculture, Fisheries and the Natural Environment, said:

Our job is to protect fish stocks and improve fisheries. This includes rescuing fish in distress, improving habitat and restocking rivers with 450,000 fish a year. The majority of anglers, who fish legally, rightly demand that we take action to catch offenders.

Our enforcement officers, supported by Angling Trust voluntary bailiffs, will be targeting illegal fishing. We urge anyone to report illegal fishing as quickly as possible by calling our incident hotline on 0800 80 70 60.

Last year the Environment Agency Enforcement Officers ran 670 close season patrols, reporting 122 anglers for illegally fishing in the close season.

Coarse fishing is still allowed on most still waters and canals, depending on fishery owner agreement, though a valid fishing licence is still required. You can check which still waters and canals still have a close season in operation by checking the byelaws which apply in your area at <https://www.gov.uk/government/collections/local-fishing-byelaws>. We will be finalising a review of the close season on rivers during 2018. Any changes that arise from this review will be implemented in 2019.

Anyone who wants to go fishing needs to buy a fishing licence. A full annual licence costs £30 (short term and some concessionary licences are also available) and are available online at www.gov.uk/get-a-fishing-licence.

[Press release: Severn tolls abolition spreading prosperity across south east Wales](#)

Today's news that Newport's property market is the fastest moving in Britain has been welcomed by the Secretary of State for Wales, Alun Cairns.

The figures published by property portal Rightmove further evidences how the Welsh economy is going from strength to strength, significantly bolstered by the reduction of the Severn tolls and UK Government's commitment to abolishing them at the end of this year.

A key poll taken at the first UK Government Severn Growth Summit in January revealed that 97% of delegates felt that the removal of the Severn tolls would be of benefit to Wales and companies on both sides of the border are already benefitting from the removal of VAT from the crossing tolls earlier in January.

Secretary of State for Wales Alun Cairns said:

When I became Secretary of State for Wales I made it my number one priority to abolish the Severn tolls and send a direct message to industry, commuters and tourists in the UK and globally that Wales is open for business. This UK Government decision is about spreading prosperity across a natural economic region that has been severely hindered by the tolls for over half a century.

With tolls being abolished later this year, it is great to see the transformation of the joint economic and cultural prospects of South Wales and the South West of England already underway. It is just the start of a series of policies that will see the whole of South Wales benefit from an active intervention by the UK Government.

Scrapping the tolls will be the biggest economic stimulus in decades and will transform the economic and cultural prospects of the south Wales and south west England region, making it easier to do business, to increase inward investment and tourism and to create jobs.

Notes to editors

- The Severn Growth Summit was held in January at the Celtic Manor Resort where over 300 guests from both sides of the estuary joined the Secretary of State to discuss cross border growth opportunities

following the abolition of the Severn tolls.

- The Secretary of State for Wales will mark two years in the post on Monday 19 March with the abolition of the tolls highlighted as a key achievement of his tenure.

[Press release: CMA announces two senior appointments](#)

Andrea Gomes da Silva becomes Executive Director – Markets & Mergers. Currently the Competition and Markets Authority's (CMA) Senior Legal Director for Markets, Mergers & Regulatory Appeals, Andrea takes up her new post immediately. The role was made vacant by Andrea Coscelli's promotion to Chief Executive. In her new position, Andrea will join the CMA's Senior Executive Team and will sit on the CMA Board.

George Lusty, currently a Project Director at the CMA, is appointed as Senior Director, Consumer Protection, replacing Nisha Arora who has joined the Financial Conduct Authority. He will oversee work on the CMA's enforcement of consumer protection laws and coordinate relationships with the wider landscape of consumer organisations, joining the Enforcement Senior Leadership Team led by Executive Director, Michael Grenfell.

Welcoming the appointments, the CMA's Chief Executive, Andrea Coscelli, said:

I am very pleased to be able to announce these two appointments to our senior team from within the CMA, from a strong field of candidates. Andrea and George both bring extensive experience from outside the CMA, combined with a proven track record within it. They strengthen our team as we prepare ourselves for a bigger role following EU Exit, and to ensure consumers are getting a fair deal from a rapidly evolving business world.

Mr Coscelli added:

I am also grateful to Rachel Merelie who has been Acting Executive Director during an important period for the CMA.

Andrea Gomes da Silva said:

I am delighted to be taking up this role at an important moment for the organisation. Ensuring the CMA is fit for purpose for Brexit and remains able to deliver good outcomes for UK consumers through

its mergers and markets work matters greatly. I look forward to working with the many excellent colleagues in those areas, and with businesses, consumer groups and a wide range of others to rise to this challenge.

George Lusty said:

Having seen first-hand the difference that the CMA's work can make, I am incredibly excited to be taking on this role. I look forward to working with my talented and dedicated colleagues, and partner consumer organisations, to tackle unfair terms and practices facing people across the UK.

The CMA will shortly be running an open recruitment for Andrea's previous role.

Notes to editors

1. The CMA is the UK's primary competition and consumer authority. It is an independent non-ministerial government department with responsibility for carrying out investigations into mergers, markets and the regulated industries and enforcing competition and consumer law.
2. Andrea Gomes da Silva joined the CMA in 2015 from Freshfields Bruckhaus Deringer where she started in 2001, becoming a partner in 2008. In 2013 she was seconded to the Office of Fair Trading (OFT) to work as part of the team producing the guidance on the CMA's new powers under the Enterprise and Regulatory Reform Act 2013. Her previous employment was at Slaughter and May where she worked in both the London and Brussels office. At the CMA she has led on legal advice and analysis across the whole range of markets, mergers and sector regulation activities, including [ICE/Trayport](#), [Fox/Sky](#), [Tesco/Booker](#) and the [Energy Market Investigation](#).
3. George joined the CMA in 2014 as a Project Director, and has led a number of the CMA's major consumer and antitrust investigations. He led the CMA's response to its first 'super-complaint' from the consumer body Which?, concerning the [pricing practices of UK supermarkets](#), and the CMA's ongoing investigation into potentially misleading and unfair practices in the [gambling sector](#). George has also led investigations into alleged abuse of dominance by pharmaceutical companies concerning the prices they offer to the NHS. Before joining the CMA, George worked for the UK's Competition Appeal Tribunal as a Référendaire on a range of major competition and regulatory appeals and damages actions. A qualified solicitor, George began his career as an associate at international law firm Simmons & Simmons, specialising in civil and criminal antitrust investigations and utilities regulation.

4. The Executive Director – Markets & Mergers appointment was made in accordance with the requirements set down in the Commissioner for Public Appointments Code of Practice. The Secretary of State for Business, Energy and Industrial Strategy, the Rt Hon Greg Clarke MP, has made the appointment of Andrea to the CMA's Board. The SD consumer appointment was made in accordance with the requirements set down in the Civil Service Commission Recruitment Principles.
 5. Rachel Merelie, who has been Acting Executive Director, returns to her role as Senior Director, Delivery and Sector Regulation.
 6. For more information on the CMA [see our homepage](#) or follow us on [Twitter](#), [Facebook](#) and [LinkedIn](#).
 7. Enquiries should be directed to press@cma.gsi.gov.uk or 020 3738 6191.
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[News story: Ground-breaking satellite projects will transform society](#)

Ordnance Survey MasterMap.

The electric vehicle charging point project, led by Energeo Ltd working with Bournemouth Borough Council, will combine satellite imagery, Open Data, and Machine Learning to deliver an interactive map based user interface. This will help the council identify charge point requirements via visualisation of different features and influences on EV roll out, such as existing charge points, residential driveway availability and size, and footpath width and potential obstructions.

The eight new projects are part of the UK Space Agency's [Space for Smarter Government Programme](#), which demonstrates the potential of using satellite technology to solve challenges faced by the public sector.

Satellite data and applications which use space have the potential to change the way the public sector works, leading to better services and lower costs. This in turn could help boost the growth of the UK space sector, which is already worth £13.7 billion to the economy and provides around 40,000 jobs.

The announcement comes on the day the Space Industry Act received Royal Assent, which will unlock an exciting era of British space innovation, exploration and investment. The Act will enable the first commercial space launch from UK soil in history, creating the potential for hundreds of

highly-skilled jobs and bringing in billions of pounds for the economy.

Science Minister Sam Gyimah said:

“These projects demonstrate the potential of satellite technology to benefit life on Earth with innovative solutions to challenges ranging from monitoring plastic waste in the sea to supporting the roll out of charge points for electric cars.

“As set out in our Industrial Strategy, the UK Space Agency is working together with industry to ensure the UK thrives in the commercial space age. The Space for Smarter Government Programme is transforming the way the public sector works. It will stimulate innovation and growth, while helping the public sector save money and improve decision making.”

The Environment Agency will collaborate on two projects, one of which deploys satellites and drones in the battle against marine waste and the other will use satellite data to monitor flood defences in the Thames Estuary.

Dr John Kupiec, Environment Agency’s Innovation Manager, said:

“The Environment Agency is delighted to support the development of these innovative projects that will help us work towards protecting the environment and promoting sustainable development.

“The Government’s 25 Year Plan to Improve the Environment highlighted the problem of plastics in the environment – particularly in marine and coastal environments. By using Earth Observation and other novel technologies we hope to accomplish our common goals in reducing plastic and other waste pollution.”

The UK Space Agency is providing training to policymakers as well as access to data, wider expertise and market capability as part of the programme. Working alongside public sector partners, academia and industry can help bring new satellite applications to market to meet UK needs.

The full list of projects, which have received a combined total of more than £700,000 in funding, can be found below:

Project title

City Level Energy Analysis for Electric Vehicle Charging Points

Funding

£59,898

End user

Bournemouth Borough Council

Lead organisation

EnergEO Limited

Energieo's CLEAN EV service will utilise geospatial Big Data (such as satellite imagery), Open Data, and Machine Learning in conjunction with strategic textual information. It will deliver an interactive, web based tool, designed to support roll out of Electric Vehicle charge point (EVCP) infrastructure in urban environments via intuitive visualisation, contextualisation and analysis of data in a map based user interface.

Public sector end users will be able to efficiently identify charge point requirements via visualisation of different features and influences on EV roll out, such as existing charge points, residential driveway availability and size, and footpath width and potential obstructions, in order to provide an accurate overview of current and potential EVCP preparedness. In addition, users will be able to identify specific features manually through the map interface, or run queries in order to model pre-determined scenarios that will support the strategic decision making process.

Project title

Transport modelling based on PNT data

Funding

£59,950

End user

Sedgemoor District Council, Somerset

Lead organisation

City Science

This project takes a range of position, navigation and timing (PNT) data and assesses the feasibility of its use to provide accurate and informative outputs within a transport planning context. Using PNT data, the project will investigate issues such as the scheduling and impact of HGV deliveries, the associated impact on congestion, bus timetable reliability and the distribution of journeys at different times of day. It will do this by integrating PNT data with traffic simulation and modelling models.

The outputs will be a data-based understanding of existing and future pinch points across a range of transport modes that are robust, fit-for-purpose and meet the needs of the local authority.

Project title

Urban healthy living using satellite enabled air pollution monitoring and mitigation

Funding

£123,582.09

End user

Cherwell District Council, Oxfordshire

Lead organisation

Geospatial Insight Ltd

This project addresses how air pollution exposure affects wide swathes of public sector policy and programmes. Management and mitigation of adverse air pollution exposure by integrating space-enabled technologies with other public-sector initiatives offers prospects for smarter, more efficient operations, risk reduction and enhanced policy delivery in many key areas, notably healthcare and urban air quality management.

Geospatial Insight Ltd will lead a team of innovative SMEs to work in partnership with leading public authority stakeholders to demonstrate beneficial disruptive interventions in primary and secondary healthcare provision and urban planning through the management of ambient air pollution.

Project title

Quantifying Congested Maritime Environments

Funding

£60,000

End user

United Kingdom Hydrographic Office (UKHO)

Lead organisation

SCISYS UK Ltd

Improved understanding of patterns of life in congested maritime environments will allow greater situational awareness for users of maritime waterways. The well-established Automatic Identification System (AIS) can determine movements of large vessels, but smaller vessels without AIS are less well understood and remain difficult to quantify. Some vessels in this category are visible from space using radar and optical satellite imagery, which may also capture tidal and seasonal changes.

SCISYS's novel approach involves automatically mining through archives of satellite data to build up a picture of spatial and temporal activity, taking variations in data availability into account. The main advantage is that this approach locates all objects of a certain size, irrespective of their type or

if they are broadcasting an AIS signal, thereby delivering value-add information to existing maritime products and services. The United Kingdom Hydrographic Office will partner SCISYS for this feasibility study.

Project title

Space Derived Condition Assessment tool for CNI Structural Risk Management

Funding

£172,974

End user

Environment Agency

Lead organisation

Geomatic Ventures Limited

This project aims to provide a basis for the regular remote assessment of structural condition for Critical National Infrastructure (CNI) asset owners such as power stations, railways, roads, gas storage facilities, runways, flood defences and water treatment works. It will provide early warning indicators of potential engineering failures through absolute motion vector mapping using a combination of satellite based radar with satellite navigation.

The project uses satellite based remote sensing to provide initial wide area, medium resolution screening and identify relevant site criticalities. Using national threshold standards it will target higher resolution deformation studies. An asset risk index will be developed so that the remote sensing techniques can be applied on soft and hard targets and used to inform asset condition across a range of asset types.

Project title

GeoInt Service for Marine Litter

Funding

£60,000

End user

Environment Agency

Lead organisation

ARGANS Ltd

The GeoInt Service for Marine Litter is a platform developed by ARGANS Ltd, aiming to integrate big data sources about marine litter from satellites,

drones and citizen science initiatives on a single platform. The goal is to provide synoptic information to the public, voluntary and private sectors with an interest and decision-making capability to support policy-making, cleaning, prevention operations and long-term monitoring.

Local, regional and national authorities, NGOs, foundations, conservation societies, waste management companies and industry especially those focused on the circular economy will benefit from this service. ARGANS Ltd has received end user support from the Environment Agency, Cornwall Council, and European Space Agency.

Project title

AI Satellite Pluvial flood forecasting

Funding

£129,922

End user

Greater London Authority

Lead organisation

Ambiental Environmental Assessment Ltd

This project aims to help the public sector to increase the uptake of satellite and Earth Observation data via sustainable 'live' services relating to surface water flood forecasting, and associated dynamic mapping of changing patterns of green space in urban areas.

The goal is to enable smarter, more efficient operations, reduce risk/cost and enhance the quality of decision-making within the public sector in real-time. A novel aspect of the project involves utilising Artificial Intelligence (AI) to enhance situational awareness and provide actionable intelligence.

Project title

E0-derived soil moisture estimation

Funding

£55,900

End user

Network Rail

Lead organisation

CGG NPA Satellite Mapping

This project will improve the understanding of soil moisture evaluation from Earth Observation (EO) data. Soil moisture can have significant impacts on asset management within the rail sector. The occurrence of earthwork failures have been shown to correspond with ground (soil) saturation and weather conditions reported at the time of failure. NPA's EO experts believe that soil moisture estimation algorithms developed for use with Sentinel-1 data could facilitate the remote estimation of soil moisture. If successful, this capability should improve Network Rail's ability to identify the most at-risk parts of its network. It is hoped that this solution will also benefit other public sector organisations concerned with asset management. In addition to working with Network Rail as a public sector end user, NPA will also receive support from the National Physical Laboratory (NPL) and British Geological Survey (BGS).

For more information about the work of SSGP and to view other case studies, please visit the [Space for Smarter Government Programme website](#), or contact the team at ssgp@ukspaceagency.bis.gsi.gov.uk

[Speech: Green Brexit: a new era for farming, fishing and the environment](#)

I want to thank Prosperity UK for organising this conference and in particular, Lord Hill of Oareford, Sir Paul Marshall and Alex Hickman who have been the dynamos who have ensured that today can occur.

And they, like the team that run Prosperity UK, are determined to bring together individuals from across the political spectrum to develop policies for Britain's future outside the European Union (EU). Their committee is composed of both those who argued that we should Leave the EU and also those who believed that we should Remain But they are united by the belief that, whatever positions individuals may have been adopted in the past it's important that all of us now focus on the opportunities of the future.

And in choosing today to focus on agriculture, fisheries, food and the environmental more broadly, I believe, that Prosperity UK and the people in this room have identified a critical range of areas where Britain has the potential to be an innovator, generating increased prosperity and setting new global gold standards in sustainability.

I want to set out, in a second, where I believe some of those opportunities specifically lie.

But first I wanted to say a little about how important it is to me in this Government that when we explore the opportunities of life outside the EU we ensure the hopes and fears of those who voted to Remain are woven into our thinking. And into our actions.

No decision in our nation's history has enjoyed such a strong popular mandate as the decision to leave the European Union. 17.4 million people voted to take back control of this country's trade, taxes and laws.

But more than sixteen million of our fellow citizens voted to Remain. And there is a special responsibility on those of us who argued for a Leave vote and who are charged with implementing it, to ensure that the underlying reasons why so many people voted to Remain are respected.

Many people voted to Remain because they understandably feared the economic consequences of leaving. There were warnings that a vote to Leave would trigger an immediate recession and precipitate job losses.

Others chose Remain because they feared a Leave vote was somehow a vote to turn inwards and backwards. It was a vote for narrower horizons rather than a truly global Britain.

Others were concerned that a vote to Leave would strengthen the hands of separatists particularly in Scotland or others who wished to pursue an even more populist political platform.

And, critically, there were many that felt that during the time we have been in the European Union there have been undoubted advances in how we treat each other, and the planet, which have been enshrined in law and underpinned by regulation, and all that would be put potentially at risk by a vote to Leave.

All of those concerns – for economic justice, cultural open-ness, social harmony and environmental enhancement – are critically important.

And that is why I am glad that, since the referendum result, this Government has ensured that progress has been made in all of those areas.

Since the referendum, Britain has recorded the best employment figures in its history, with more than 32.1 million people in work. Employment is just 66.5% in the Eurozone, compared to 74.1% in the UK.

And for those in work, particularly at the bottom end of the income spectrum, wages have been rising. As the OBR pointed out this week, there has been a 7% real terms increase in pay for the poorest.

More jobs for working people and better-paid jobs for working people I believe contributes to greater economic justice.

All this has been underpinned by a shift in our economy towards export-led growth, away from what I believe to be an over-reliance on domestic consumer demand in the past.

In the last 12 months exports have risen by £64.5 billion – that's a rise of 11.5%.

Our service sector continues to thrive with exports up by 10.1% and exports of goods have risen even faster by 12.6% to £344.5 billion, and the manufacturing sector in particular has been making a significant contribution

to this growth.

So far then, the decision to leave the EU, far from precipitating recession, harming food security or hitting working people in the pocket, has promoted economic progress.

And it has also, I believe, had a beneficial political effect.

Since the British people voted to leave the EU, support for separatist parties and separation itself has declined. Most notably of course in Scotland.

The decline in support for separation in Scotland stands in contrast to the increased support for secession in Catalonia and the growing regional tensions that we've seen in Italy in their election campaign.

And indeed it is not just support for separatist movements which has declined in Britain since the referendum.

Support for populist parties has also collapsed. The United Kingdom Independence Party is now a ghost political movement, like the Luddites or the Whigs, and no populist party of the right, or of the radical fringe, is taking its place.

Again, by way of contrast, the recent electoral success of the Five Star Movement in Italy, the Alternative for Deutschland in Germany, the Front National in France shows that almost alone in Europe, Britain does not have either a burgeoning populist party in parliament or making progress in the polls.

The ebbing in support for populist parties in the UK has also been accompanied by a warmer and more welcoming approach by the British people to issues such as immigration.

The most recent polling on migration showed that the UK was the country in the EU with the most welcoming attitudes towards migrants from outside the EU. We are the most open, global, nation in Europe.

And that is reflected in university admissions with the number of foreign students applying to study in the UK increasing.

In 2018 there were 7,300 more applicants from overseas, with 43,500 applications from EU students alone – an increase from the year before.

Applications from some EU nations such as Croatia, Finland, Germany, Spain, Poland and Portugal have continued to rise in the last few years by as much as 30%.

The continuing popularity of our world-leading universities with foreign students is a win-win all round. It's a wonderful example of British soft power, it makes universities themselves more diverse, it generates earnings for the UK economy, and the fees from foreign students can help keep our own costs down.

So, as well as serving economic justice, Brexit, if we make the right decisions, can serve social justice too.

THE GREAT PROGRESSIVE PRIZE OF A GREEN BREXIT

But more than that, Brexit, with the right decisions, can enhance our natural environment.

Which is why I am so delighted by the range of speakers, and indeed the breadth of issues, at today's conference. The potential for progressive change is huge.

But that change can only be made real if we utilise the talents of everyone who cares about the natural world.

I am very well aware that for many who care deeply about the environment, our membership of the EU coincided with both increased awareness of environmental concerns and improved mechanisms to safeguard the natural world.

And as I mentioned earlier, leaving the EU, for many, appeared to put those gains at risk, or at the very least raise a question over the prospect of continued progress.

And it's because I appreciate the strength of those concerns that we in DEFRA have moved as quickly as we can to affirm that not only will there be no abandonment of the environmental principles that we've adopted in our time in the EU but indeed we aim to strengthen environmental protection measures and to create new mechanisms to incentivise environmental improvement.

That is why we're consulting on how to introduce a new environmental protection body and it's why we've outlined policies for the natural world in our 25-Year Environment Plan that, in some cases, are more ambitious than any required by EU membership.

I recognise that some of the ambitions outlined in the Plan will need legislative under-pinning. And while I can't say now what will be in future Queens' Speeches I can state clearly that if we are to honour our pledge to leave the environment in a better state than we inherited it we must also leave the statute book in a better state than we inherited it.

And in advance of any major legislation, we're also determined to show at DEFRA that we're making progress as rapidly as possible towards meeting the goals that we've set for ourselves in our Environment Plan.

That's why we're planning to go further in dealing with the pollution caused by single use plastics, and building on our plastic bag and plastic microbeads bans.

I am also determined, as I reminded today by the House of Commons, that the UK must do more to clean up our air. I want to create stronger incentives for us to do so, and I will set out our proposals in a clean air strategy later this Spring.

Because to be frank, as again the House of Commons has reminded us today, we've been too slow to act on what is a major public health scandal.

Again, we'll be saying more in coming weeks, but we all know that we have to do more to restrict diesel use, to protect urban centres from pollution, to change how some of us heat our homes and we also need to reform aspects of agriculture and industry to ensure our air is properly breathable.

A STRONG ECONOMY NEEDS A HEALTHY ENVIRONMENT

In acting in this way, I believe that this Government is being true, actually, to the best Conservative traditions. It was Disraeli's Government that recognised improving public health depended on passing enlightened environmental legislation. His administration introduced laws to safeguard our rivers. The great third Marquis of Salisbury's Government introduced laws on housing, Macmillan's introduced laws on Air Quality and Margaret Thatcher's on a range of environmental issues, all of which reflected a profound appreciation of the inter-dependence of a healthy environment, a healthy population and a flourishing economy.

I recognise that it's a stock in trade of some political commentary that you can only really pursue environmental goods at the expense of consumers or business. There are some who say that you can pursue greenery or prosperity but you can't put a premium on both.

Indeed that was the line doggedly asserted by the BBC's Nick Robinson when he interviewed me on the Today Programme for the launch of our 25 Year Environment Plan.

But, even when that case is prosecuted with all the vigour and talent of a Nick Robinson, I believe, and I believe that history shows, that it's a false dichotomy.

The truth, as governments have long understood, is that you cannot sustain economic growth if you erode the natural capital on which all human flourishing depends.

And, in parallel, sustainable economic growth will generate the income we all then can invest in future, further environmental enhancement.

It has been economic growth – free market-inspired, capitalist-generated and business-driven – that has helped us to secure cleaner rivers, cleaner and less carbon-intensive energy and to protect natural habitats in the world's wealthiest nations.

And unfortunately history tells us that centralised state control, socialist management, and the absence of effective price signals and functioning markets, and indeed the expropriation of private property and collectivisation have led, not just to economic misery but also to environmental degradation. The example of Mao's China, Soviet Russia and Maduro's Venezuela, shows that that path leads to poisoned soils and contaminated rivers, toxic air and wrecked habitats.

Indeed the economic policies pursued by the leaders of the Bolivarian Revolution in Venezuela – Hugo Chavez and Nicholas Maduro – who have such enthusiastic fans here in the UK, naming no names – those policies have involved the grotesquely profligate exploitation of fossil fuel reserves in a manner that has been both economically foolish and environmentally reckless. And that has been accompanied by the immiseration of the nation's population, provoking not just the migration of millions of refugees but also the devastation of that country's rural economy.

So poor, and hungry, have Venezuela's citizens become under Chavez and Maduro that they were driven to eat the animals in Caracas zoo to keep alive. As a metaphor for how economic failure drives the destruction of the natural world, it is both all too fitting and heart-breaking.

A POST BREXIT LONG-TERM ECONOMIC PLAN

But while open and enlightened market economies have done a demonstrably better job in delivering environmental goods than closed command economies, we've also got to be honest about where our economic thinking has been deficient in recent years.

Just as growth in the first decade of this century was over-reliant on debt, on borrowing that we expected the next generation to pay for, so growth over many decades has been over-reliant on exploiting finite natural resources whose depletion inevitably leaves future generations poorer.

As a Conservative, someone who believes in the careful husbanding of resources, both financial and environmental, and as someone who also believes in the principle of stewardship, the idea that we must hand on our inheritance to the next generation in an enhanced state, I believe we have a responsibility to ensure that our economic model prizes in those valuable principles. In other words we have to have truly sustainable economic growth.

That is why I am such an enthusiast for the idea of natural capital, pioneered by the brilliant economist Dieter Helm, from whom you will be hearing later this morning.

Dieter developed the idea, the concept of Natural capital accounting, which aims to measure every natural asset – from freshwater to the oceans, oil and gas stocks to fish stocks, woodland to peat – and record how those assets are changing over time, both in physical and financial terms.

The UK was the first country in the world to establish an independent Natural Capital Committee to advise the Government on how to manage and enhance our natural wealth and that committee has been playing a critical role in the formulation and implementation of our 25 Year Environment Plan. The insights of the Natural Capital Committee have ensured that this government recognised that natural capital is as fundamental to our health and prosperity in our future as our human capital or physical capital.

Of course it's important to note that natural capital is just one tool we can use to deliver on our environmental gains. Not everything that we cherish in

the natural world can be given a monetary value. We don't want to protect and restore the environment simply because of its economic value, but because of our moral duty and our emotional attachment. But still, natural capital remains a powerful tool for all of us who care about the natural environment and prosperity in the future to ensure that we take our responsibilities towards the environment seriously, and we can be held accountable for our actions.

So as we design the economic and environmental policies that will guide Britain after Brexit our aim will be to ensure we incentivise investment in physical, human and, above all, natural capital.

CAP REFORM

The prosperity of our economy, and in particular our food economy, depends on us developing a truly sustainable approach for the future, and in particular towards our landscape.

So as we escape from the Common Agricultural Policy and develop our own domestic farming policy we have to move away from our current system, which lacks effective incentives for long-term-thinking, to one that promotes investment in our shared future.

That will mean we pay farmers to improve the quality and fertility of their soil, that means we want to reverse the trends of the past which have led to compaction and run-off, and which have polluted our rivers and choked our fish.

Supporting those who practice min or no-till cultivation in agriculture is not only better for our rivers and watercourses, it will also help to control and reduced carbon emissions, it will reduce demand for chemical inputs and it will provide a richer habitat for insects and invertebrates.

And we should indeed, as we revise our policy towards our land and embed natural capital thinking in our approach, move to provide better support for our farmers and land managers who maintain, restore, or create precious habitats for wildlife. Whether it's supporting those who're protecting curlews on moorland or who're ensuring the health of sphagnum moss in blanket bog, the stewards of precious natural assets which Britain has a special role in conserving, need improved support in the future, and that will be at the heart of our environmental, agricultural and economic policy post-Brexit.

FISHERIES

And as well as reforming the Common Agricultural Policy to reward those who provide habitats on land, leaving the EU also provides us with an opportunity to escape the Common Fisheries Policy and replace it with an approach to managing our marine environment which puts conservation and sustainability at the heart of our approach towards our own territorial waters.

Effective reform in all these areas will of course depend on also enabling the right sort of technological and scientific breakthroughs. And freedom to innovate in these policy areas should I hope also provide new opportunities

for the burgeoning growth and environmental entrepreneurship that we see in Britain. From the appropriate surveillance of fishing activity to the use of artificial intelligence to improve farm animal health, we can demonstrate how we can increase both natural capital on land and at sea and also boost national productivity.

AGRITECH

There is, I am delighted to say, a continued and intense interest in British environmental technology and innovation because we excel in agritech and supporting innovation in green finance. There were more than 58,000 tech start-ups in the UK in 2017 and more venture capital invested in technology in London than in Germany, France, Spain and Ireland combined.

A new business starts every 75 seconds, and many have the potential to change how we define prosperity and how we enhance natural capital. New companies like Saturn Bioionics are leading the way with new modular growing systems that allow farmers to increase crop density while making harvesting cleaner and easier, reducing labour costs by up to 50% and producing an almost 100% saleable yield. Overall, Saturn Bioionics have shown that investment in their technology will be paid back between 1-4 years through increased profitability.

And Government, critically, has a positive role to play in helping to enable this sort of innovation.

Just this week an investment of £90 million from the Industrial Strategy Challenge Fund was directed towards the Transforming Food Production programme. Investments like this will I believe help to support a technology and data-driven transformation for UK farmers, UK land managers and those who work on or with our environment.

By supporting farmers with the initial investment we can help their businesses to not only become more productive and to generate more growth, and indeed to provide more high-skilled jobs, we can also drive more high-value export opportunities, and critically we can also ensure that our environment becomes more resilient and even better guardians of our natural environment.

Across the UK there is a wealth of innovative start-ups redefining what it means to be a farmer or a land manager, and how to farm effectively and sustainably. One company, Hummingbird Technologies uses crop mapping to identify problems in drainage, compaction, nutrition, weeds and pests before they become devastating, and it can pre-emptively detect the presence of particular diseases like potato blight and blackgrass.

It is also the case that our universities like Harper Adams who have been collaborating with a number of tech companies, have helped to lead the charge in developments in agronomy and agritech, and in particular the world has been paying attention to the way in which Harper Adams through its Hands Free Hectare project has shown the way for a more efficient and environmentally sensitive approach towards agriculture.

I believe that we can also, as well as demonstrating global leadership in all these areas, also demonstrate it in our approach towards resource efficiency and the treatment of waste. We all know that we need to reduce our reliance on plastic and in particular make sure the incentives are there to move away from the use of virgin products so we all use more recycled material. I recognise that we need to reform the existing producer responsibility scheme, we need to impose appropriate costs on those whose products leave a heavier environmental footprint and we then need to use the money generated from that to invest in dramatically improved recycling facilities in this country.

In the same spirit, we also need to encourage movement away from diesel and petrol cars towards ultra-low emission vehicles such as those Sir James Dyson is developing. And we also should build on the work that's being done to develop autonomous vehicles in the future. Their development could help us to further reduce the adverse environmental impact of our current approach towards urban transport.

GLOBAL LEADERSHIP

I believe that Britain has the potential now to demonstrate global leadership in all these and more areas.

And there are opportunities on the months ahead for us to demonstrate, alongside, other nations, our determination to do more for our planet.

At the forthcoming Commonwealth Heads of Government meeting, and with Canada's Presidency of the G7, we can play our part to extend protection to more of the world's oceans.

At the Illegal Wildlife Trade Summit in London this autumn we can take decisive steps to safeguard biodiversity worldwide, and indeed we can, in the months ahead, develop new approaches to measuring, valuing, and enhancing biodiversity worldwide.

We can also ensure in the trade agreements that we hope to sign and indeed in the economic partnership that we plan to forge with the EU, that natural capital is protected, that the natural world will be respected and that the highest ethical and environmental standards are upheld.

CONCLUSION

A commitment to the highest environmental standards in everything we do doesn't involve any long-term economic sacrifice. Quite the opposite. We will only succeed in the world as a food exporter, a centre for tourism, a hub for technology investment and an incubator for wider innovation on the basis that we are an economy and society where quality, integrity, sustainability and a commitment to long-term relationships are guaranteed. We need to build an economy and a society which continually promotes incentives to virtue.

There are great prizes for our resourceful, resilient, remarkable nation in the years ahead – and I hope, with the help of all the people gathered here for this conference, that we can succeed in the years ahead in building something special in this our green and pleasant land.

Thank you.