

# Climate Action: Leading at Local Level

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- National Waste Enforcement Priorities and their contribution to Climate Action and Sustainability

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# Climate Action: Leading at Local Level

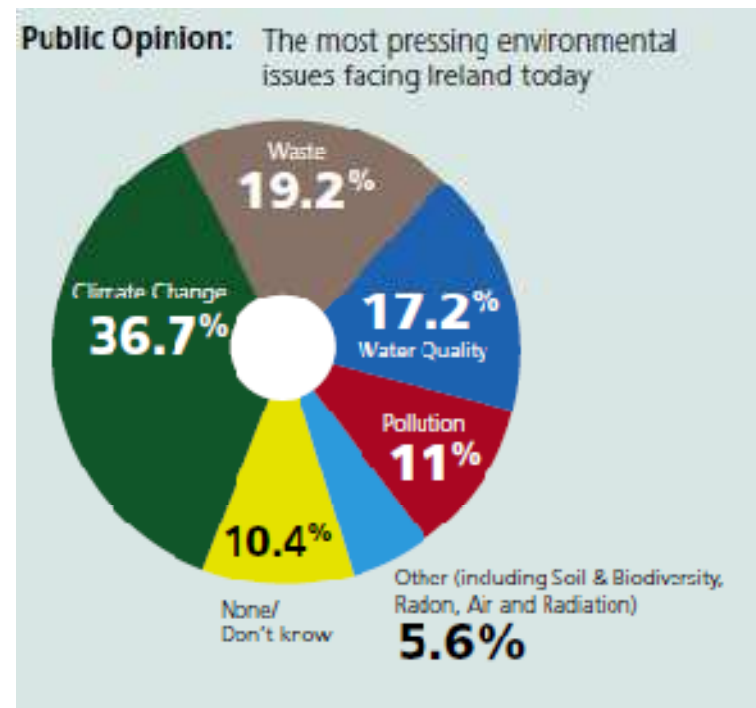
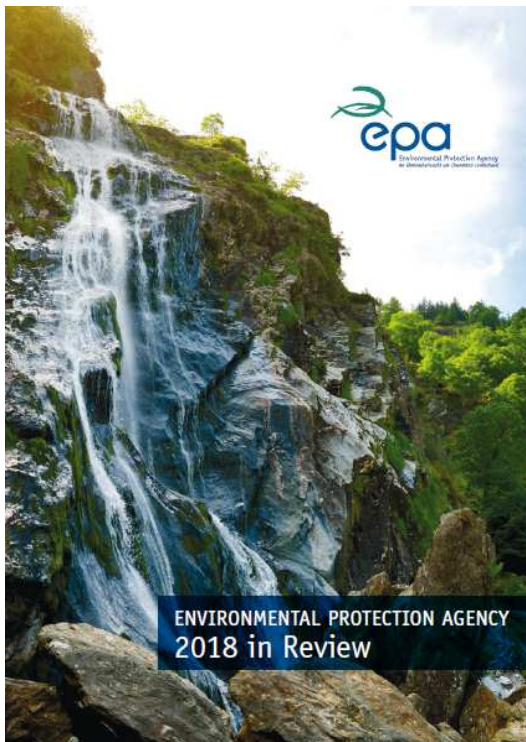
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- Local Government Sector Actions & National Waste Enforcement Priorities 2019 in relation to
  - Climate Action
  - Sustainable Food Production
  - Capacity Issues

# Climate change

## Most Pressing Environmental Issue

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An overwhelming majority of adults (86%) recognise the value of the environment to the people of Ireland

# Climate Change Advisory Council

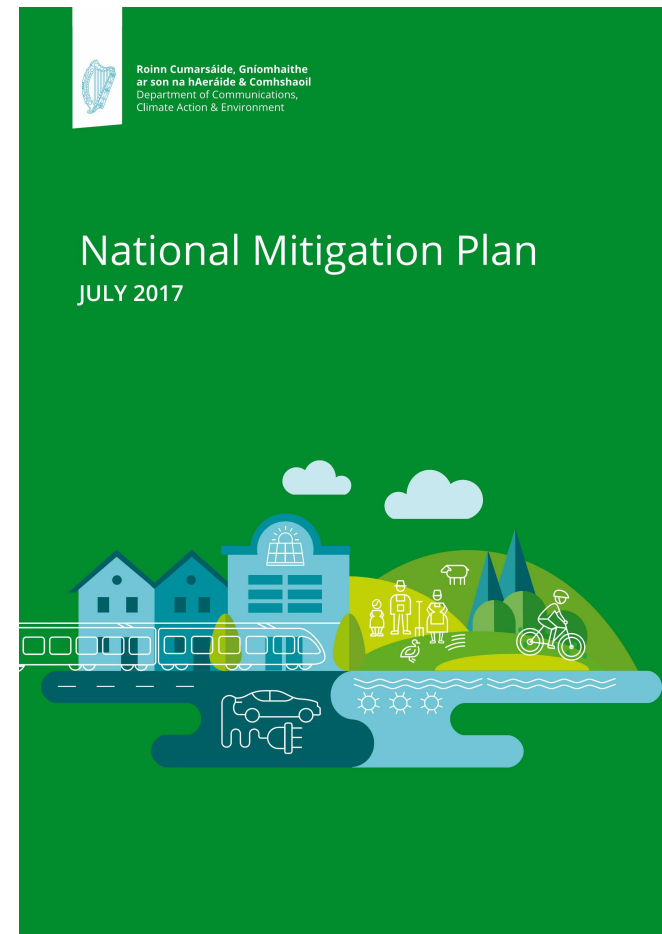
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- Lowering our Environmental Footprint
  - Greenhouse gas emissions
  - Biodiversity
  - Water quality

# Sustainable Food Production

- The scale of the challenge facing the sector in this regard is recognised both at national and EU level, with increasing emphasis on linking additional demand for food production in the sector with improving environmental credentials.



# Improving Our Environmental Credentials

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- ❑ 500 Environmental Protection Obligations
- ❑ 100 Pieces of Legislation



# National Waste Enforcement Priorities 2019

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National Priority	Areas Covered	Period for Concerted Action
Illegal Activity and Unaccounted for Waste	Authorised Treatment Facilities (Scrap Yards)	Q3
	Man in the Van	Q3
Construction and Demolition Waste and Capacity Challenges	Construction and Demolition Waste	Q2
	Household and Commercial Food Waste including Brown Bin Roll-Out	Q1
Dealing with Sites containing Illegally deposited Waste	Sites containing Illegally Deposited Waste	Q1-Q4

# Origin Green

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- Voluntary Programme
  - Led by Bord Bia
- Farms and food manufacturing businesses
  - Sign Up to Sustainability Agenda

- Demand for Irish agricultural produce is largely driven by the quality appeal of the food produced here, with its low environmental footprint, its grass based system of production, and strict food safety traceability and welfare criteria.



# Retail & Food Service

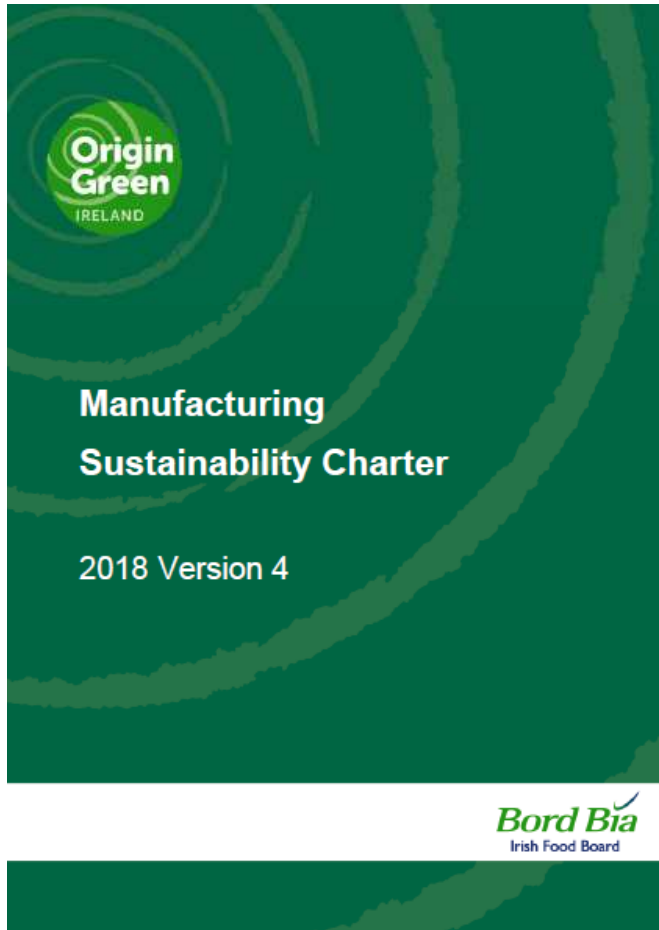
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- ❑ Some of the main areas for consideration include:
  - Transport
  - Refrigeration
  - Lighting
  - Product packaging
  - Food Waste\*
    - ❑ *\*A Food Waste target is a mandatory requirement within all sustainability plans at this level of the Origin Green programme.*
  - Emissions

# Manufacturing

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## ■ Manufacturing Processes

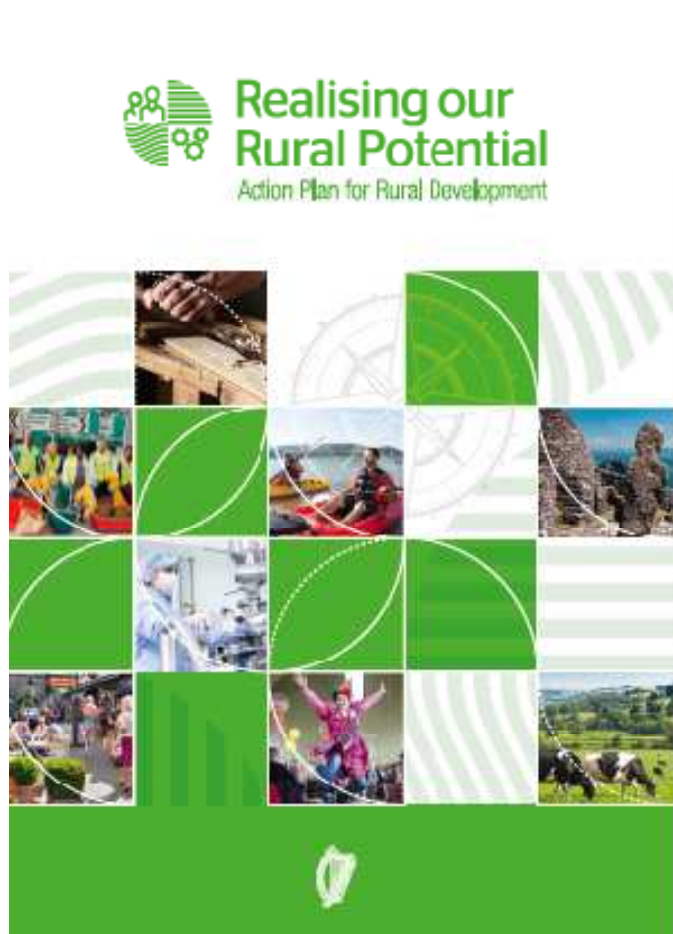
- Initiatives to reduce packaging
- General waste reduction
- Food waste prevention

# Improving Our Environmental Credentials

- Mitigate Climate Change + Capacity
  - Food Waste - Commercial & HH

<b>Local Authority</b>	<b>2018 - Households Waste Collection Service</b>				<b>2017</b>	<b>2016</b>	<b>2015</b>
	<b>No. Of Serviced households 2018</b>	<b>MSW/ Residual</b>	<b>MDR/ 2-bin</b>	<b>Organic/ 3-bin service</b>	<b>Organic/3-bin</b>	<b>Organic/3-bin</b>	<b>Organic/3-bin</b>
	<b>1,310,275</b>	<b>29,147</b>	<b>527,382</b>	<b>745,381</b>	<b>670,577</b>	<b>639,386</b>	<b>575,557</b>

# Rural Development Plan



- ❑ Agriculture is of huge importance to rural Ireland as recognised in the Programme for Government. The Rural Development Plan measures are designed to ensure there are a number of overarching benefits for the rural environment, including mitigate climate change, preserve habitats and species, maintain water quality and ensure a more balanced development of rural areas

# Improving Our Environmental Credentials

- Mitigate Climate Change
  - Irish peatlands store some 1,566 million tonnes of carbon, representing approximately 64% of the total soil organic carbon stock present in Ireland.



**Monitoring of Construction & Demolition (C&D) Waste Activity.**

**Document Control Sheet**

# Improving Our Environmental Credentials

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- Preserve Habitats & Species



# Improving Our Environmental Credentials

- Maintain Water Quality



# Monitoring Movement of Waste

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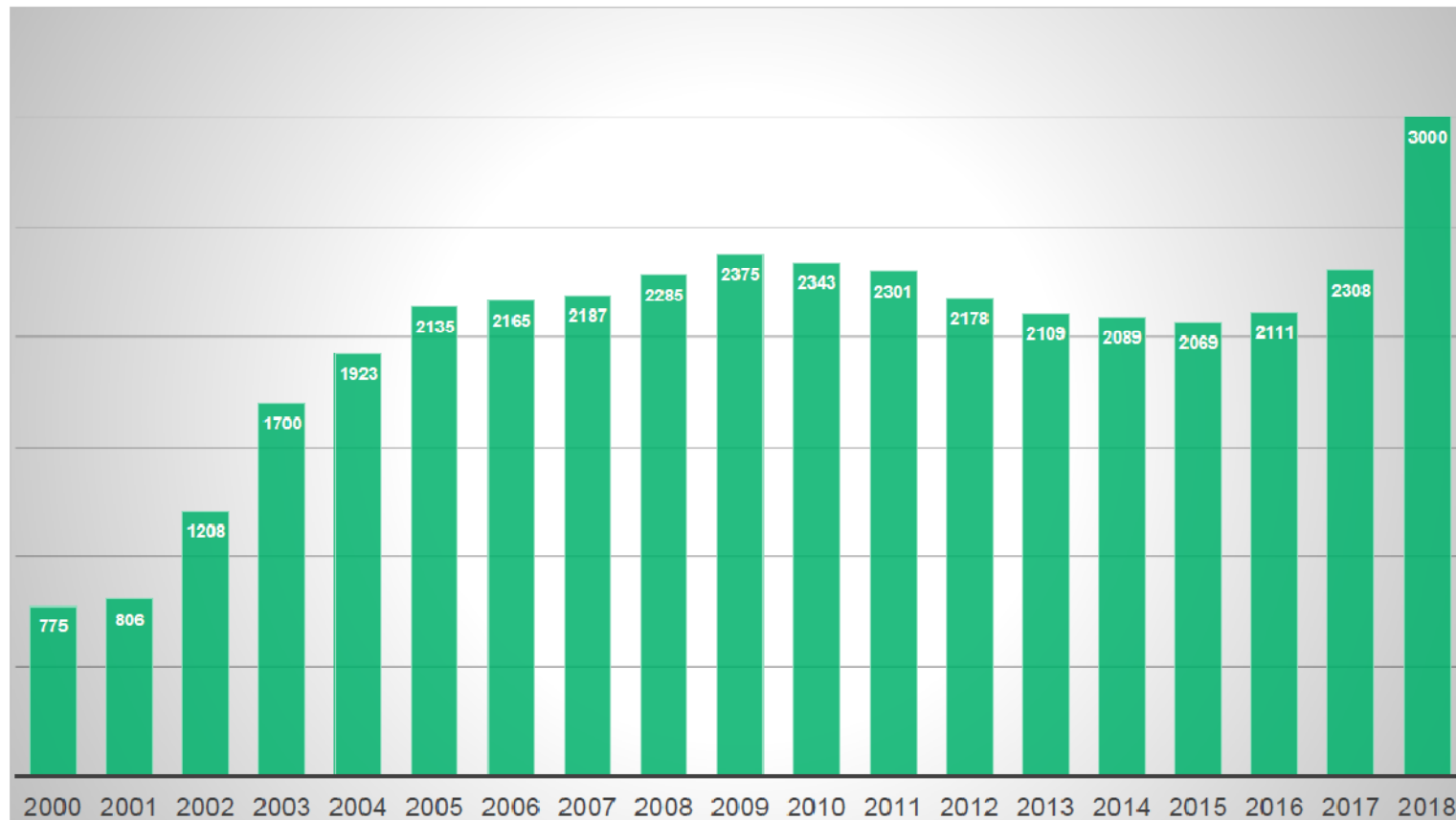
**Serving a Fixed Payment Notice Under the Waste Management Act 1996 for the Contravention of a Waste Collection Permit Guidance Document**





# Improving Environmental Credentials

- *Producer Responsibility Initiatives*
  - *Packaging*



# Improving Environmental Credentials

## □ Tyres

- Current Status
- **3,774,243** Car Tyres on the market
- **3,662,040** Scheme tyres collected
- **30,517T(97%)** Tyres processed
- Each LA has addressed between 86% -100% of **known** car / motorcycle tyre operators.

National YTD							
Region	LA	Members	Member Premises	Revoked Members	Obligated & Reinstated	Potential Members	% Registered
	Total	2629	2869	75	31	160	90%

# Improving Environmental Credentials

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- ELV Pilot Compliance Project (Vehicle Importers)



- **25<sup>th</sup> May 2017**
  - ELVES Launched
- **31<sup>st</sup> Dec 2018**
  - 115 members nationally
- **18<sup>th</sup> April 2019**
  - 109 members nationally

# Anti- Dumping Initiative 2019

## “Not in our Nature”

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# Anti-Dumping Initiative 2019

## “Not in our Nature”

### □ ADI 2017

- 200 Projects

### □ ADI 2018

- 176 Projects
  - **2,570.42 tonnes**
  - **€1.6 million**
- Mattress Amnesty
  - > 10,000
  - **€233,915**



### □ €3 million

### □ In 2019, the focus of the ADI is on

- (i) prevention,
  - (ii) abatement,
  - (iii) education and
  - (iv) enforcement.
- ### □ Salaries/Wages for Local Authority are not funded under the Anti-Dumping Initiative

# Anti- Dumping Initiative 2018

Ballyhannon District Court

## Kinlough man who spoiled beauty spot with 'filth' ordered to pay €2,000

A judge has ordered a man who spoiled a beauty spot with "filth" to pay €2,000. Judge Kevin Kline expressed his fury at Ballyhannon District Court last Friday at the rubbish dumped by householder Christopher McGowan in a well-known salmon and trout fishing river.

Judge Kline said that he was disappointed in the defendant's attitude. He said that the defendant had to be made an example of. He said that the defendant had to be made an example of. He said that the defendant had to be made an example of.

When told by McGowan that he had no money to pay, the judge said that he would order a community service order. He said that the defendant had to be made an example of.



The rubbish which was dumped in the Four Masters on the Liffey in the town with Co. Down at Four Masters bridge.



Local kids practice their gardening skills at the launch. Photo: Chris Shelley Photography.



Photograph 2: View of the illegal dump site at the bank of the Drowes River fishing spot. A large amount of household waste was strewn across the area.



Photograph 3: View of the waste as viewed from the roadside.



Cork County Council  
Comhairle Contae Chiarraí

## Council using drone to tackle fly-tipping and litter

### Christy Parker

A local authority is embracing cutting-edge technology in its battle against fly-tipping and illegal dumping. Waterford City and County Council has been using a drone to accumulate information on unlawful waste disposal since last summer. Senior executive engineer at environment Niall Kane said the DJI Phantom 3 model was purchased last July, with the €1,300 cost provided by the Department of Communications, Climate Action, and Environment under an anti-dumping initiative. The Chinese-built model has an operating tempera-

ture of -10C to 50C and a power consumption of 15W, meaning it stays airborne for about 20 minutes. The drone's take-off weight stands at 1,200g and has an angular velocity, or yaw rotation, of 200 degrees with an ascent/descent speed of 6m/s, and maximum flight velocity of 10m/s. The drone can send back live footage as well as store data for later analysis. Mr Kane said the council has been deploying the drone "at least once a week to help identify the scale and extent of waste on various sites and to pinpoint unauthorised dumping locations". Its main benefit is the "ability to survey large areas

far faster than on foot and its capacity to obtain a bird's eye view of waste on the ground which makes it easier to quantify larger deposits of waste". Having a high resolution camera, it assists with GIS (geographical information systems) mapping. Mr Kane said these maps and other drone footage help the council follow up leads extracted from websites such as DoneDeal or Facebook that may suggest unauthorised activities such as car trading being perpetrated. While no drone footage has yet been directly involved in court evidence, it has led to several notices of abatement issued.



The Phantom drone that is being used in an anti-litter campaign in Waterford since last summer.

Mr Kane said as environmental personal presence operate the drone on a non-licensed basis, they are prone to stringent IAA imposed limitations. "So, last year, we also commissioned a fixed-wing aircraft on these occasions to

take aerial photographs of larger scale sites or sites where drone flight is restricted," he said. Conducted in conjunction with the Waste Enforcement Regional Lead Authority, they cost about €700 per flight.



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Thank You