



# CIRCULAR ECONOMY

Monitoring and Implementing the Change to a Circular Economy

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Inspector, EPA

IAT 2024



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Government of Ireland

# CIRCULAR ECONOMY PROGRAMME 2021 - 2027

## 1. Evidence

Reporting of national statistics, green public procurement and behavioural insights studies

## 2. Collaboration

Implementation of circular economy (partnerships, funding supports, coordination of actions to address hazardous waste)

## 3. Regulation

End-of-waste, by-products and waste-sector licensing



## OUR PRIORITY AREAS:



Packaging



Plastics



Textiles



Food, Water  
& Nutrients



Construction  
& Buildings



Electronics  
& ICT



Batteries  
& Vehicles



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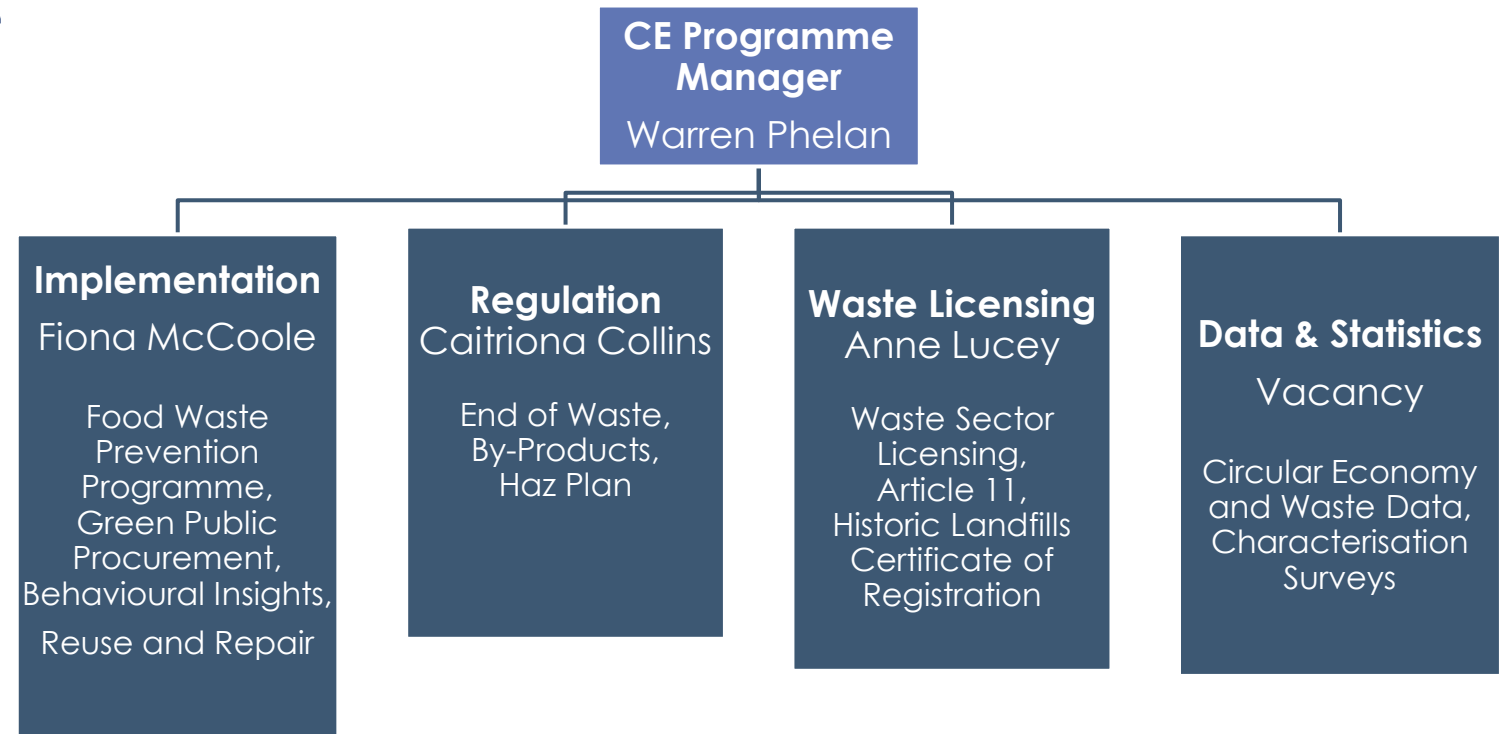
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# OFFICE AND PROGRAMME STRUCTURE

- ❖ **Office of Environmental Sustainability**
  - Industrial and Carbon Emissions Regulation Programme
  - Waste, Energy and Business Support Programme
  - Circular Economy Programme
- ❖ CEP has 4 teams



# NATIONAL POLICIES, PLANS & PROGRAMMES



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TACKLING  
CONSTRUCTION  
WASTES THROUGH  
REGULATION



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# END-OF-WASTE & BY-PRODUCTS 101

1

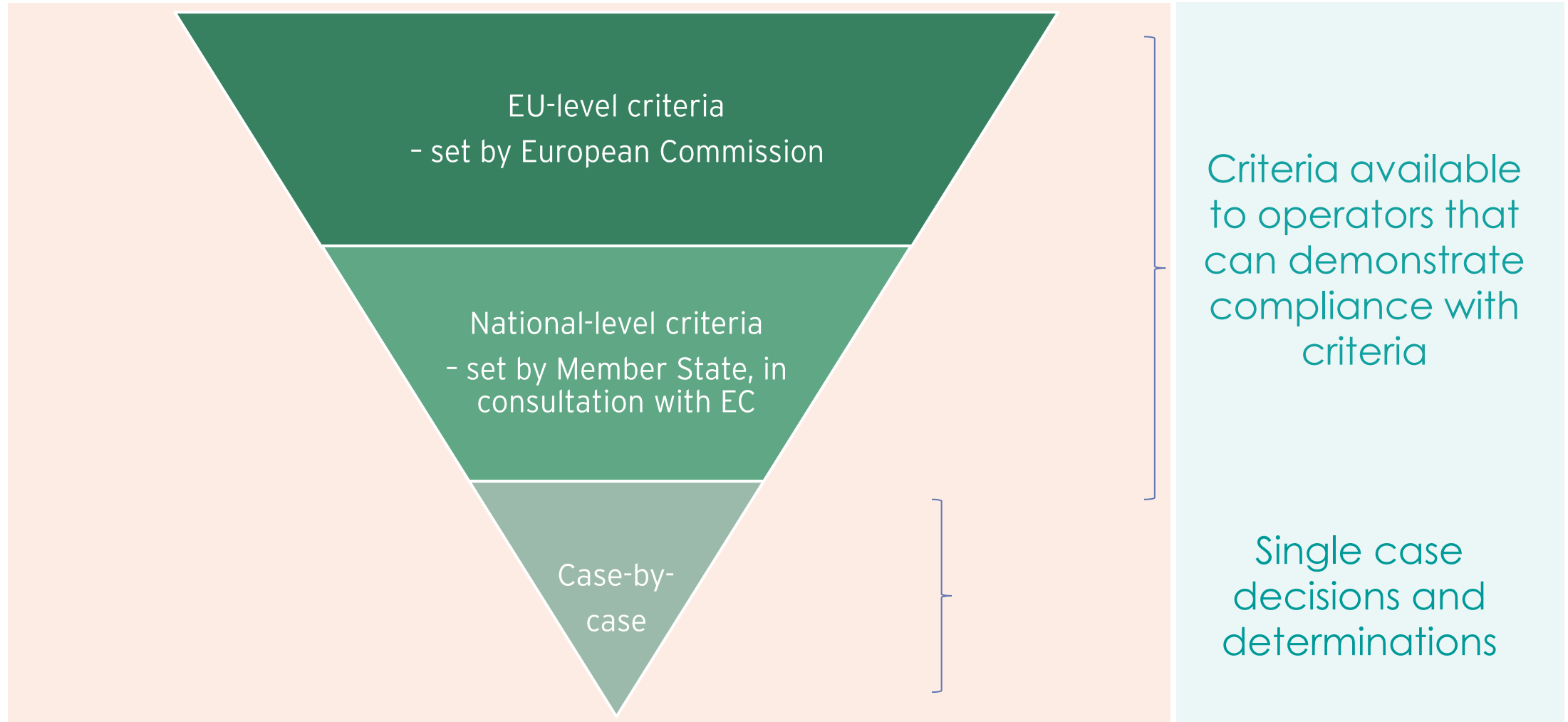
By-product -> never a waste = waste prevention

2

End of waste -> classified as waste -> waste treatment



# DECISION LEVELS



# NATIONAL APPROACH

## DEVELOPMENT OF NATIONAL CRITERIA:



**Recycled aggregates**  
(end-of-waste criteria)

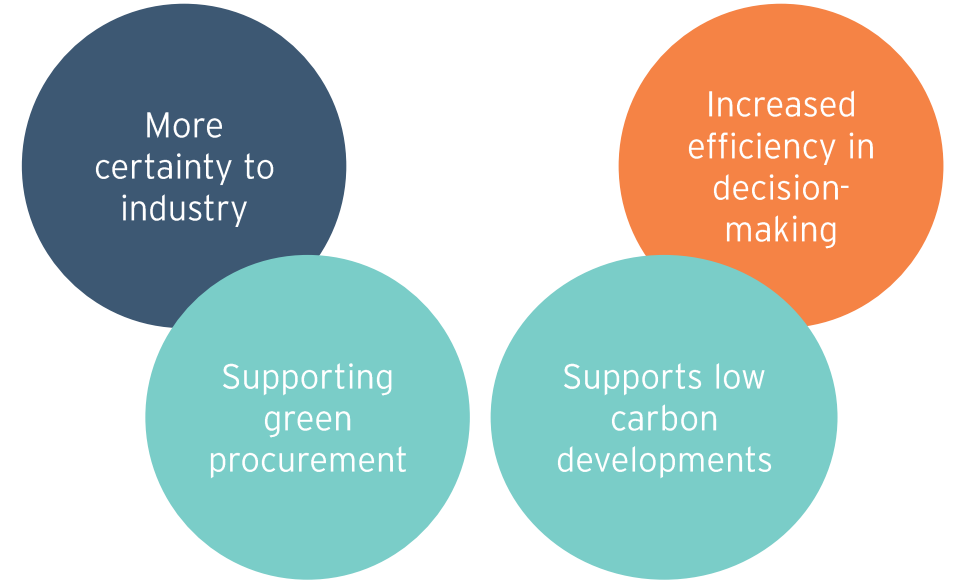


**Site-won Asphalt**  
(by-product criteria)



**Greenfield soil & stone**  
(by-product criteria)

## STRATEGIC STEP CHANGE IN OUR APPROACH:



Development of other national criteria may follow





# OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA



- ❖ Future-proofed Criteria that accounts for potential future legislative/policy changes.
- ❖ Accompanying *DYNAMIC* Live Explanatory Note

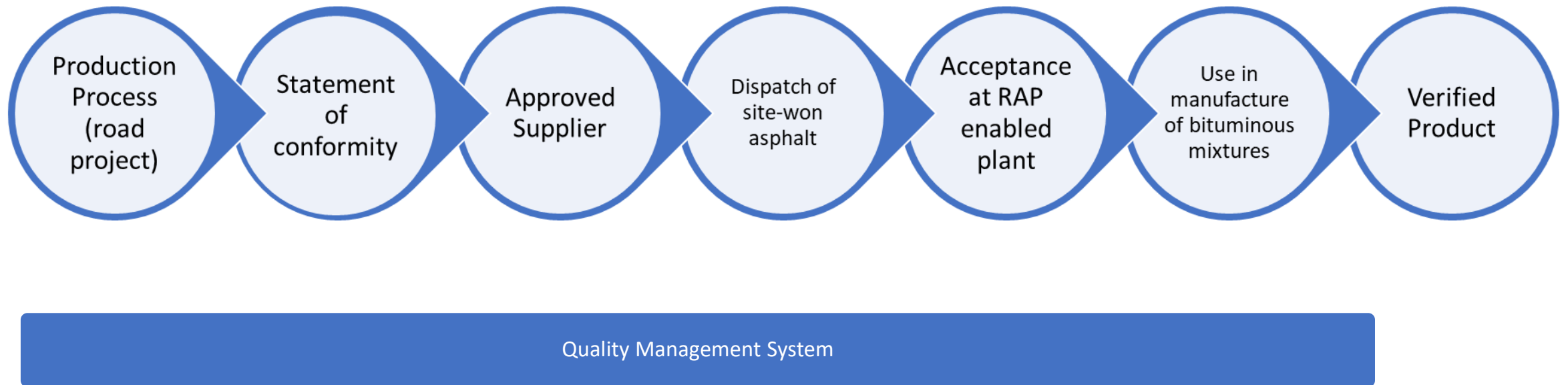


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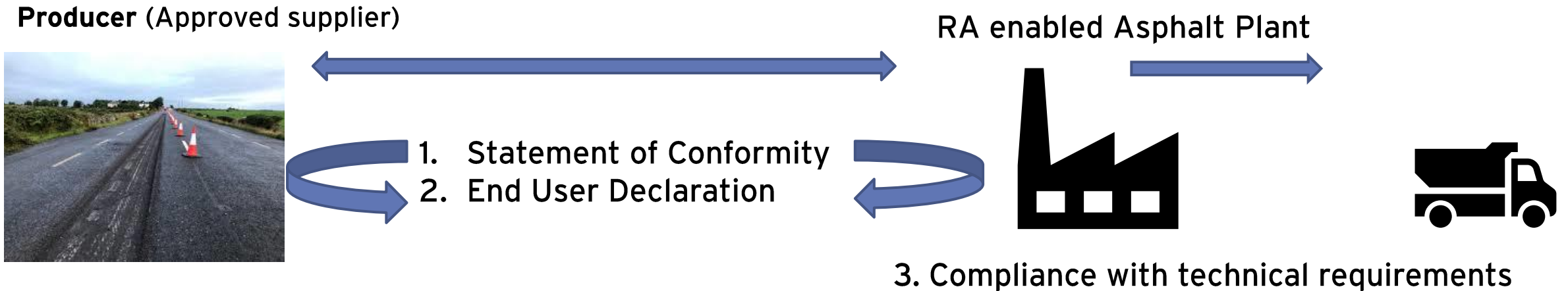


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# OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA



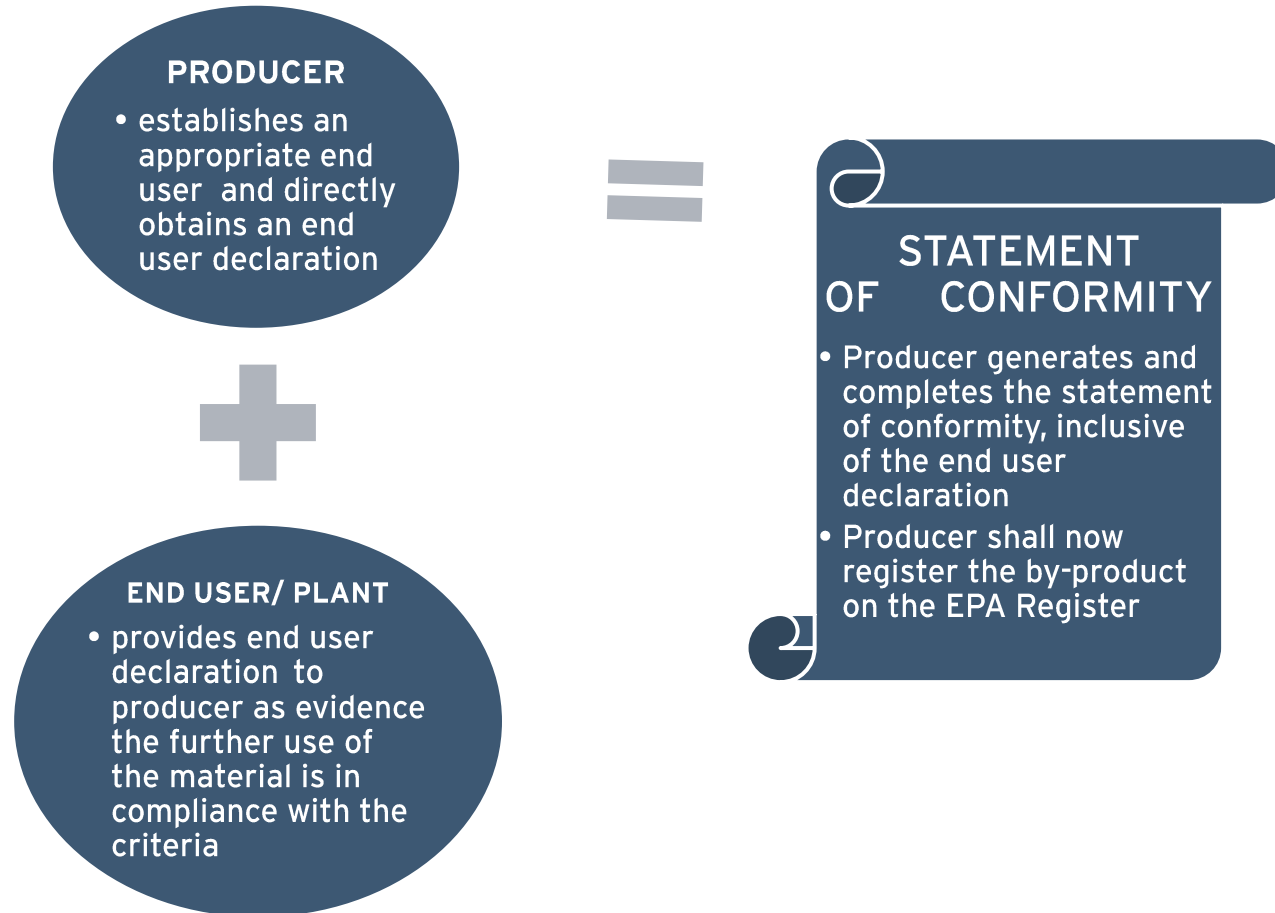
# OVERVIEW SITE- WON ASPHALT BY-PRODUCT CRITERIA



- 1. Statement of conformity** issued by the producer at the site of generation of the site-won asphalt. This states the material meets all the requirements of the National Criteria and can be considered a by-product
- 2. End user declaration** is the declaration by the RAP plant that the producer is recognised by the RAP plant and confirms the material is suitable as RAP for intake.
- 3. Approved supplier** is a Producer that holds the end user declaration from the RAP plant



# Relationship between Producer and End User/ Plant



## Tender and contract- Role of Producer?

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**'producer'** means the holder who (i) is responsible for the generation/removal of the site-won asphalt from the pavement development and (ii) transfers the site-won asphalt to another holder for the first time as a by-product material e.g. main contractor or a sub-contractor at a road development.



# Satellite Storage

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- (a) further use of the substance or object is **certain**;*
- (b) the substance or object can be **used directly without any further processing other than normal industrial practice**;*
- (c) the substance or object is **produced as an integral part of a production process**; and*
- (d) further use is lawful in that the substance or object **fulfils all relevant product, environmental and health protection requirements for the specific use and will not lead to overall adverse environmental or human health impacts**.*

*satellite by-product storage locations connected or associated with a **RAP plant** come under the control of the **RAP plants** and their accredited Management System*



### 1st Time User of EDEN portal

- Register profile on EDEN
- Organisation already exist?- search
- Request by-product module

### Existing User EDEN portal

- No further profile registration needed



# EDEN PORTAL - MAKING A BY-P REGISTRATION

+ Create By-Product Notification

+ Create By-Product Registration

## By-Product Registration

The natural or legal person registering production of by-product materials is hereafter called the 'Producer'.

National/EU by-product criteria have been developed for a number of materials for certain specified uses, as set out in the Table below. These criteria are universally available for utilisation by any producer that can demonstrate compliance with the criteria.

| Criteria Reference No. | Criteria Type     | Notified Material                    | Material Sub-Category  | Link to Criteria  |
|------------------------|-------------------|--------------------------------------|--|---|
| BP-N001/2023           | National Criteria | Road Planings / Bituminous Materials | Destined for use as a raw material in a Reclaimed Asphalt Pavement plant | <a href="https://www.epa.ie/publications/licensing--permitting/waste/National-By-Product-Criteria-Ref.-No.-BP-N0012023.pdf">https://www.epa.ie/publications/licensing--permitting/waste/National-By-Product-Criteria-Ref.-No.-BP-N0012023.pdf</a> |

## By-product Registration Form - REG27TEMP00027-01

1. Organisation

2. Materials

3. Locations

4. Submit



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# EDEN PORTAL - MAKING A BY-P REGISTRATION

1. Organisation

2. Materials

3. Locations

4. Submit

## 2.1 Materials

Please select criteria type:

National Criteria



Search...

Show 10 entries

|                          | Decision Reference Number ▼ | Notified Material                    | Material Sub-Category  | Link To Review National Criteria  |
|--------------------------|-----------------------------|--------------------------------------|--|---|
| <input type="checkbox"/> | BP-N001/2023                | Road Planings / Bituminous Materials | Destined for use as a raw material in a Reclaimed Asphalt Pavement plant | <a href="https://www.epa.ie/publications/licensing--permitting/waste/National-By-Product-Criteria-Ref.-No.-BP-N0012023.pdf">https://www.epa.ie/publications/licensing--permitting/waste/National-By-Product-Criteria-Ref.-No.-BP-N0012023.pdf</a> |

Showing 1 to 1 of 1 entries.

Expected Date of Commencement/Production/Movement

Expected Date of Commencement/Production/Movement



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# EDEN PORTAL - MAKING A BY-P REGISTRATION

1. Organisation

2. Materials

3. Locations

4. Submit

## 3.1 Source Location

Source Name and Address

Eircode

County

Local Authority at source location

Please select the source location on the map provided. Use the zoom function to accurately locate the site and click on the center of the site. This will automatically populate the Easting & Northing Grid reference.

Alternatively enter the 6 digit Easting and Northing Irish Grid Reference values in the boxes below.



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# EDEN PORTAL - MAKING A BY-P REGISTRATION

## 3.2 Use Location

Please select plant where material will be used

 ✕  
Choose...  
Arkil - Cork BP-N001/2023  
Arkil - Kildare BP-N001/2023  
Breedon - Ballycoolin BP-N001/2023  
Breedon - Bennettsbridge BP-N001/2023  
Breedon - Kinnegad BP-N001/2023

 Save





# THANK YOU

For more information on the **Circular Economy Programme** contact [cep@epa.ie](mailto:cep@epa.ie)

