

# LA HOJA DE RUTA DEL I+D+i DE VFUs Y RAEEs: resultado del proyecto New-Innonet hacia “cero residuos”, más allá de la tecnología.



**Meritxell Barroso Saura**

**ECONIA**

**@TxellBasa @EconiaSL**

## NewInnNet

The Near-Zero European Waste  
Innovation Network



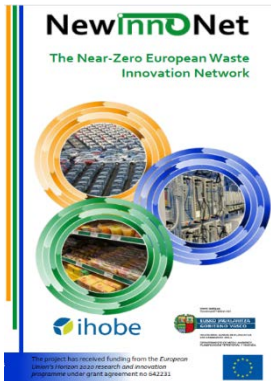
**ihobe**



The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 642231



# LA HOJA DE RUTA DEL I+D+i DE VFUs Y RAEEs: resultado del proyecto New-Innonet hacia “cero residuos”, más allá de la tecnología.



- 1.- Situación de partida.
- 2.- VFU y RAEEs
- 3.- NEWInnoNet
- 4.- SRIA
- 5.- Conclusiones



# 1. Situación de partida

VFU



12M

passenger cars were taken into use  
within the EU in 2013  
(Eurostat, 2015)



6M

passenger cars  
were scrapped in 2013  
(Eurostat, 2016a)



Material composition  
of passenger cars

non-metals  
25%



iron & steel  
>50%

non-ferrous  
metals  
<25%

The material content in passenger cars varies depending on type of car, age, propulsion system etc. Today's vehicles consist of about 75% of metals with steel and iron contributing to the greatest share followed by non-ferrous metals such as aluminium, copper, zinc and magnesium (ARN, 2015). The non-metals are mainly plastics, rubber, fluids and glass. Growing use of electronics has led to increased use of precious and rare earth metals such as gold, neodymium and dysprosium.

85 - 95%



Of the discarded passenger cars, the material recycling and reuse rate amounts to 85-95% for most countries within the EU (Eurostat, 2016b).

**TARGET**

The reuse and recovery rate of discarded vehicles (ELVs) shall amount to at least 95% of weight, of which at least 85% shall be reused or material recycled according to the ELV Directive 2000/53/EC.

## Losses

Due to their net economic value an unknown but significant number of ELVs are not sent to an authorised treatment facility but to non-compliant actors as an unregulated and illegal export.

# 1. Situación de partida

RAEEs



~ 9Mt

of electrical and electronic equipment (EEE) was put on the market in the EU in 2012 (Eurostat, 2016c)



~ 9Mt

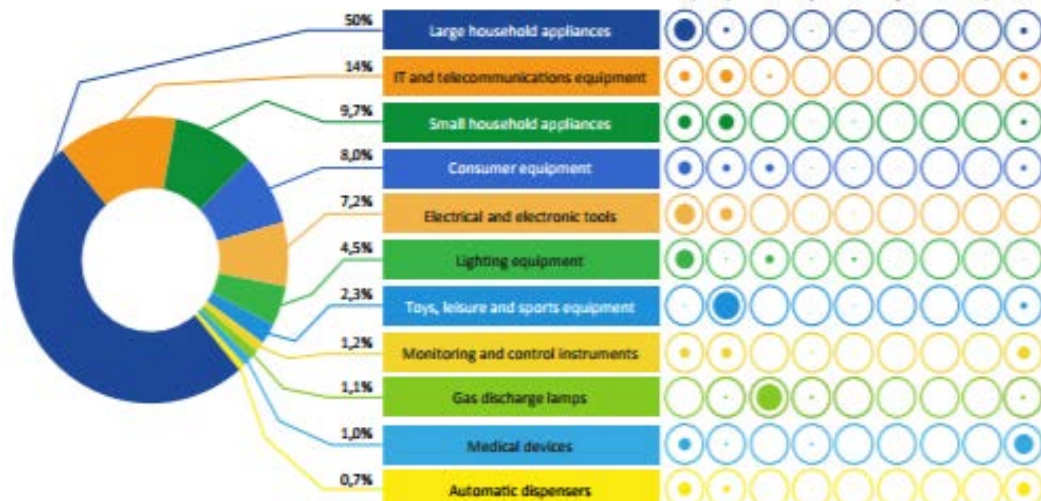
of WEEE was discarded by consumers, businesses and governmental agencies across Europe in 2012 (European Commission, 2014)

## Products put on the market

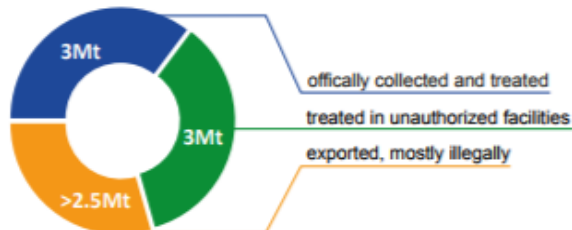
Categories weight share in % in 2012 (Eurostat, 2017)

Categories

Material composition (NEW\_innoNet, 2016d)



## What happens to the 9Mt WEEE scrapped? (CWIT, 2015)



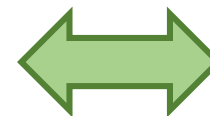
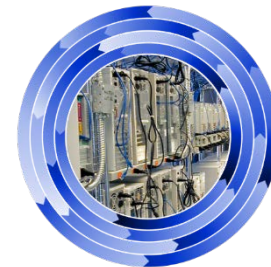


## 2. VFUs y RAEs

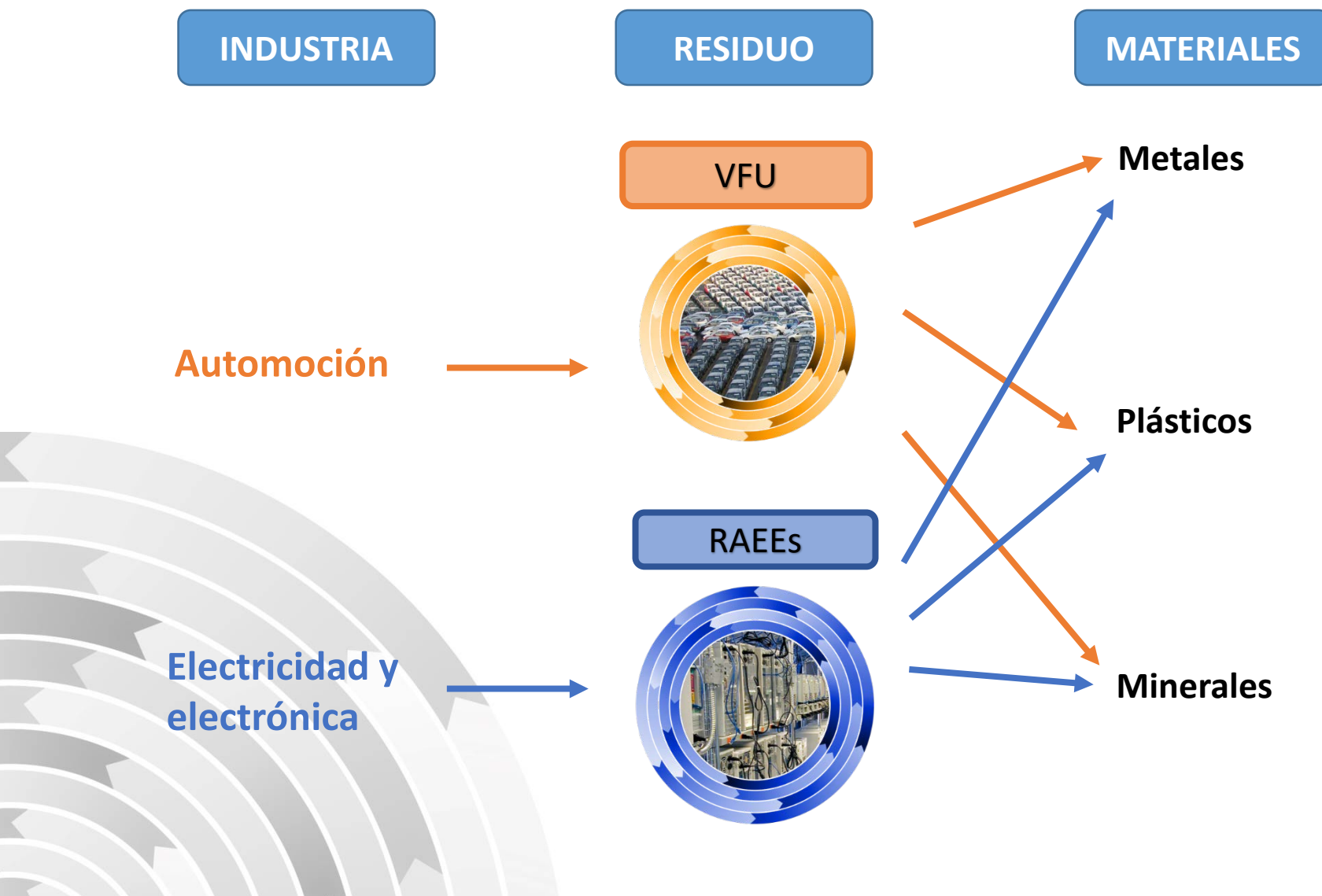
VFUs



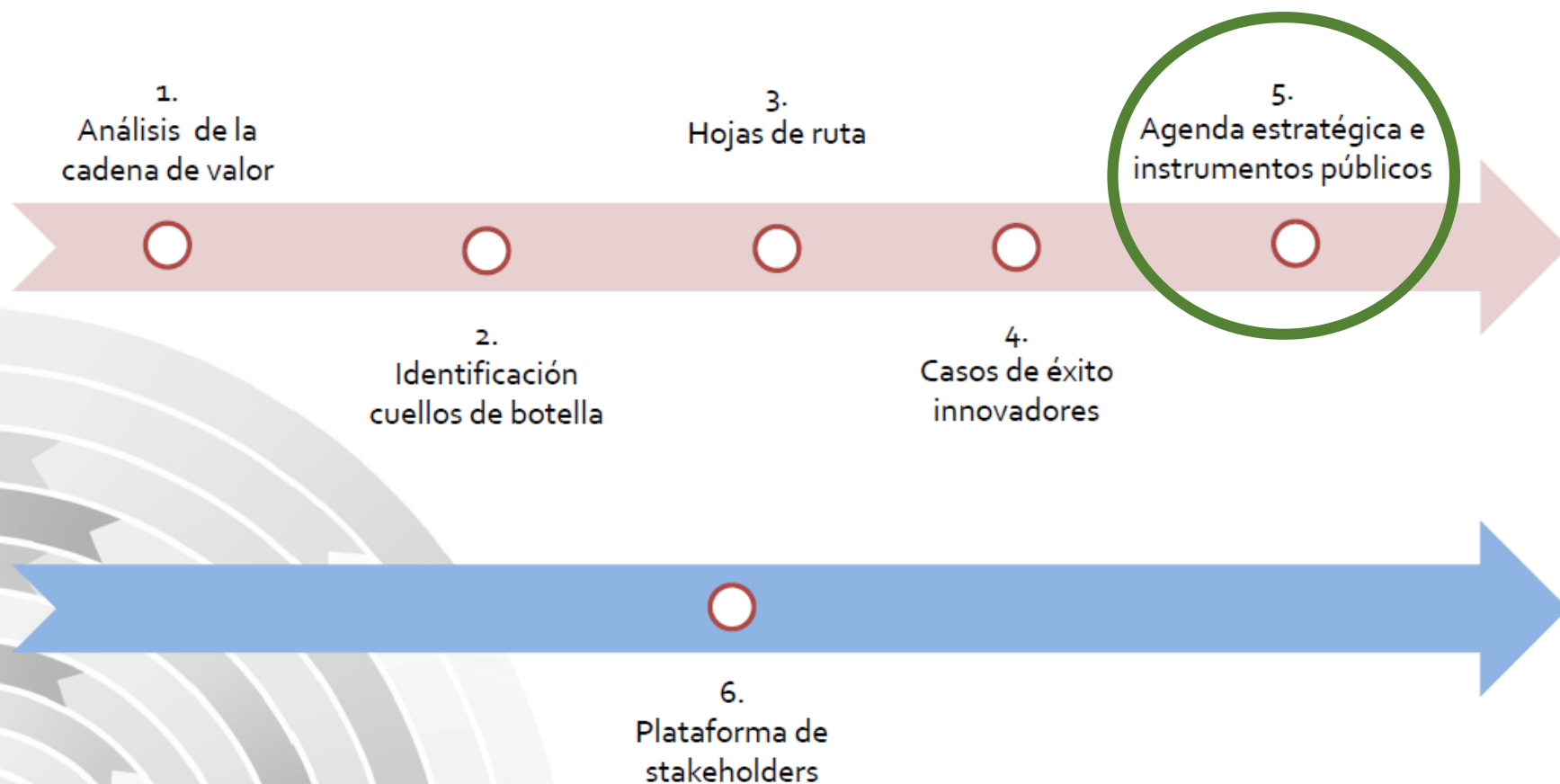
RAEs

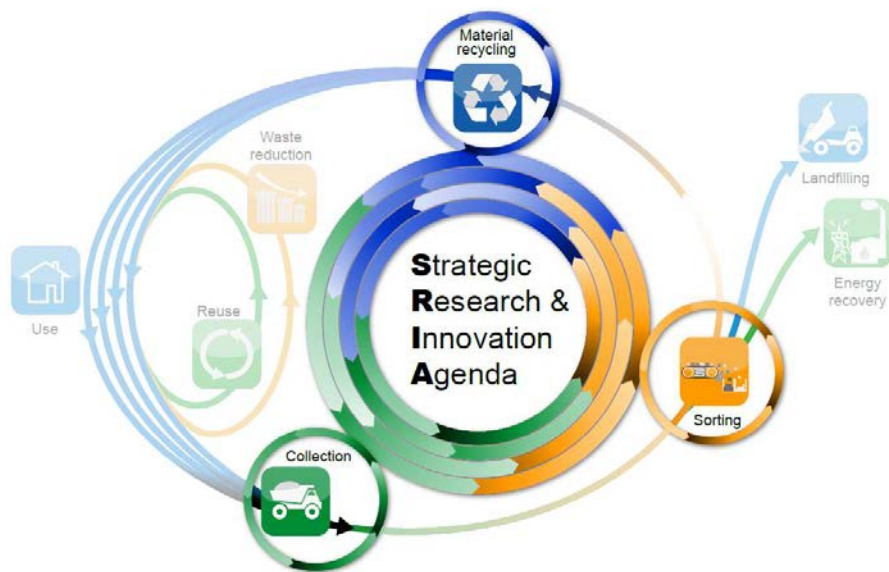


## 2. VFUs y RAEEs



### 3. NewInnoNet





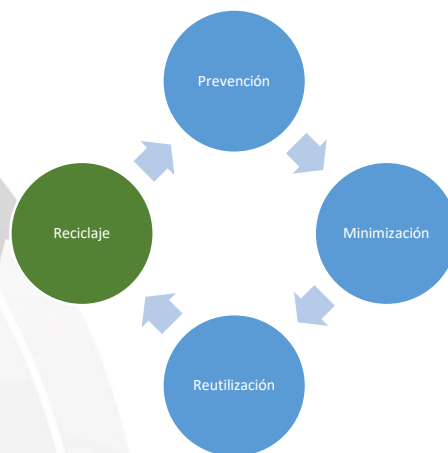
## OBJETIVO

Proporcionar orientación a los **responsables de diseño de políticas de la UE**, para apoyar el reciclaje de materiales hacia la economía circular.

## ALCANCE

Reciclado VFU, RAEEs y PPW.

- Tecnología.
- Mercado de materias secundarias.
- Instrumentos políticos.







RAEs



VFUs

**EFFECTIVE COLLECTION**

**OPTIMIZED SORTING AND RECYCLING**

**WELL-FUNCTIONING MARKET**

**SUPPORTING POLICIES AND LEGISLATION**

**DESIGN FOR CIRCULARITY**



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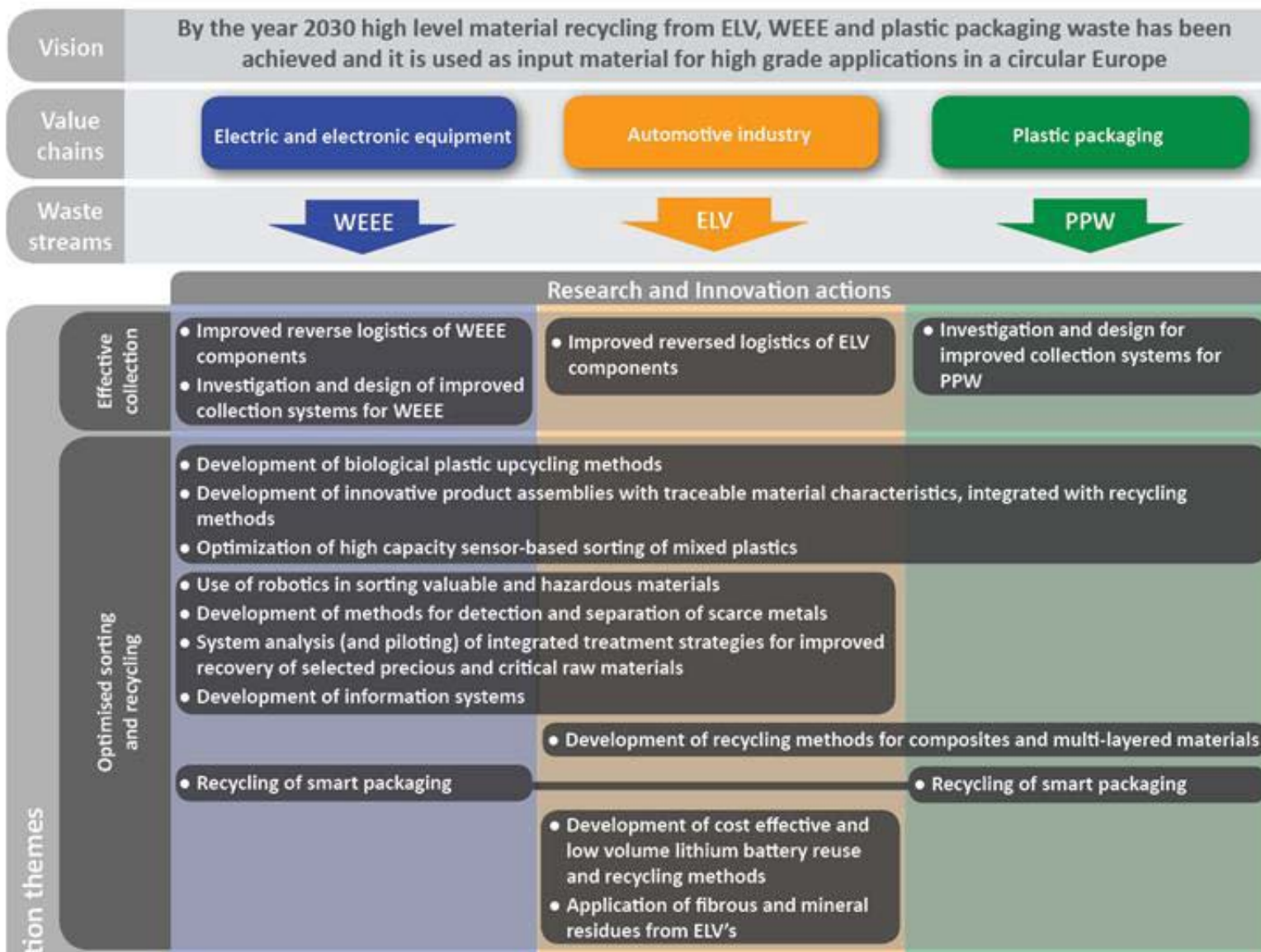
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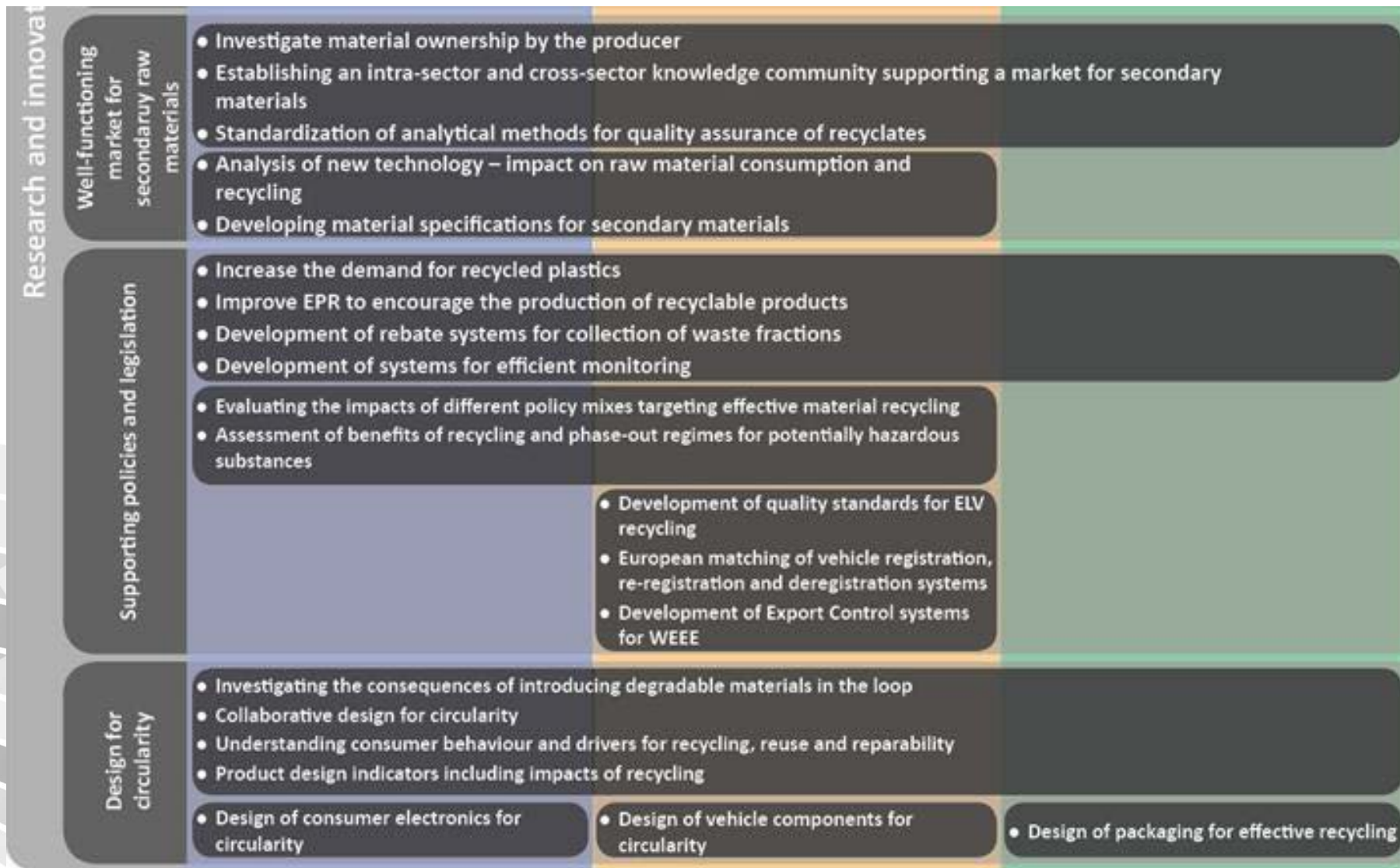
SUPPORTING POLICIES AND LEGISLATION

DESIGN FOR CIRCULARITY

# 4. SRIA

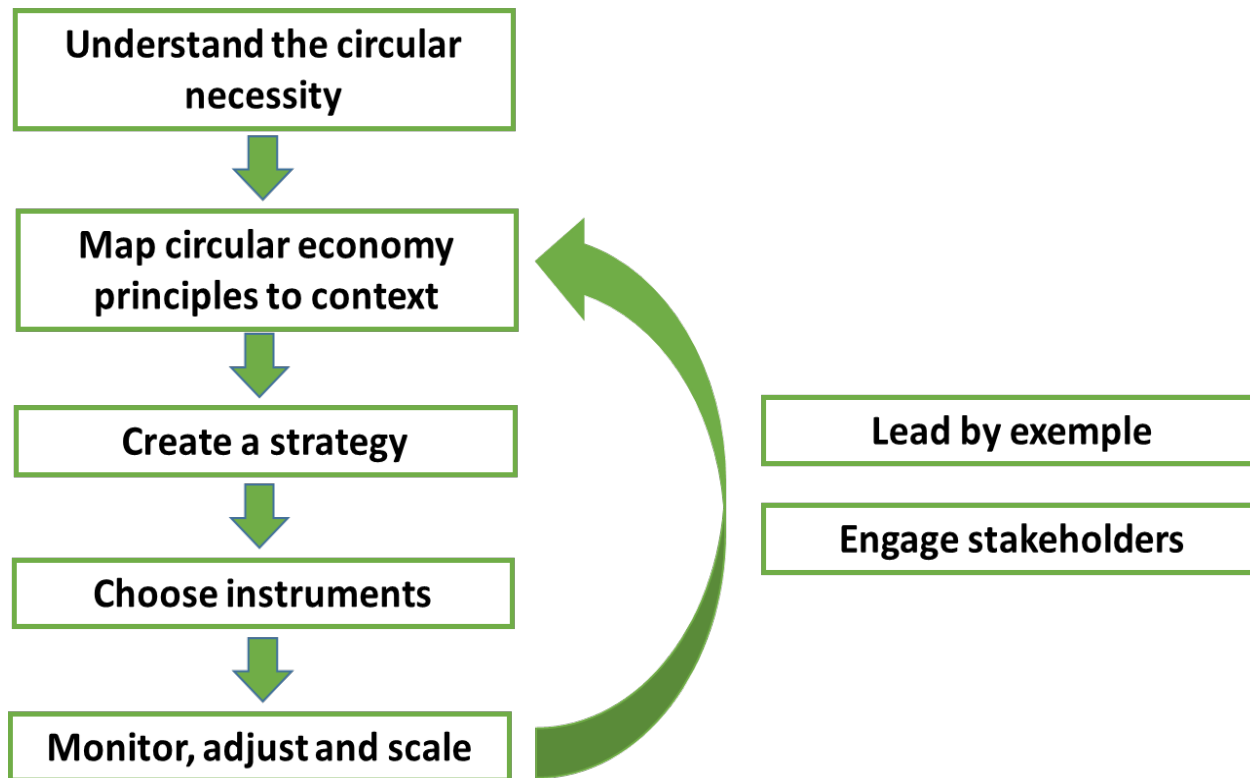


# 4. SRIA

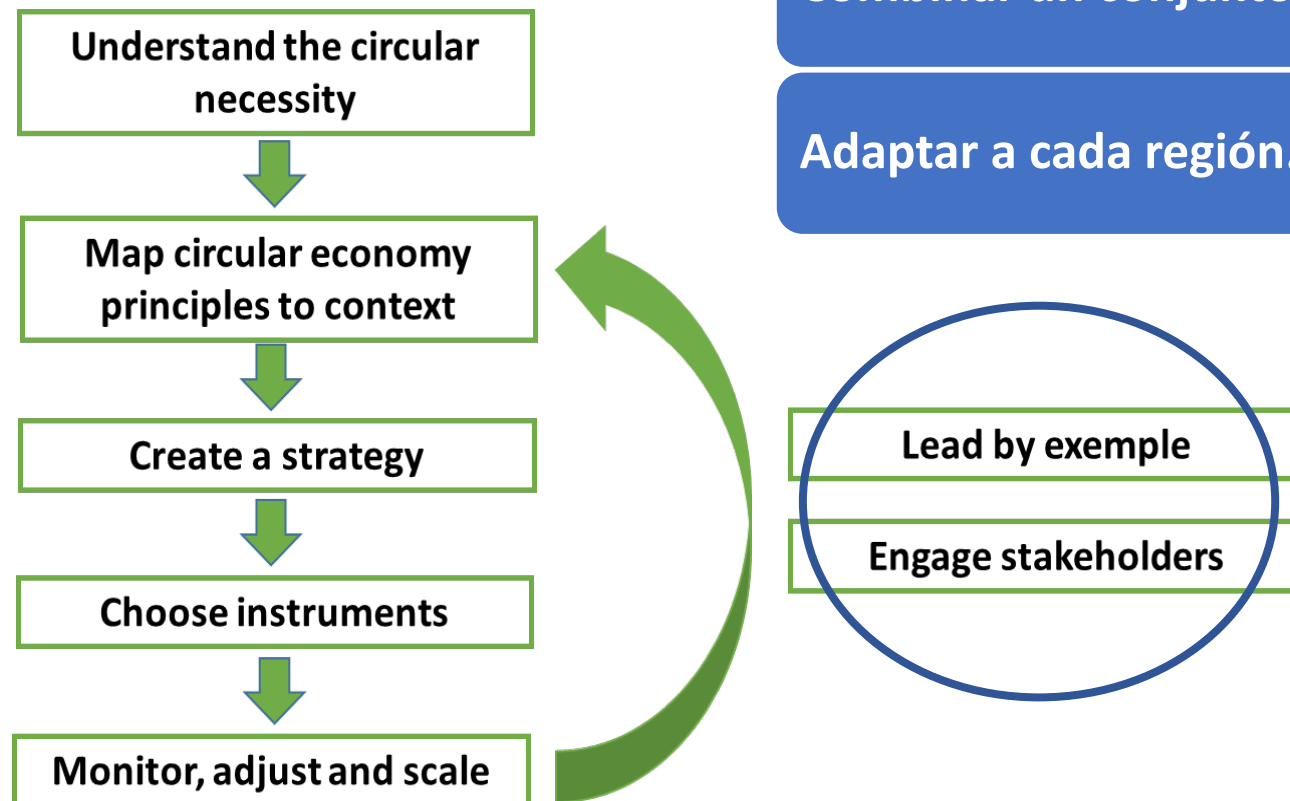




## 5. CONCLUSIONES



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# CONTACTO



**Meritxell Barroso Saura**

**ECONIA EMPRESARIAL**  
**mbarroso@econia.net**

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