



SUS TAIN ABILI TY



**A plus for the
competitiveness of
Basque Companies**



1.Aclima Basque Environment Cluster

2.European Green Deal

3.Basque Environment 4.0

since **1995**, meeting point for
Basque public and private bodies
working on **Environment**

Increasing the growth and
Competitiveness
of companies, specially **SME's**

Promoting systemic
Cooperation.

Fostering **Innovation,**
Technology and
Internationalization,

Strategic areas **Circular Economy,**
Climate Change and
Environmental Quality,

Aclima companies turnover in 2019,

2.063 M€ which represents.

3% of the GDP of
Basque Country

The basque companies associated with

Aclima have **7.856**
professionals

103 partners

75 Private companies

17 Public entities

5 R&D Centers

4 Universities

2 International associations

6 Value Chains

Waste management and prevention

Polluted Soils

Water Cycle

Air Quality and Climate Change

Ecosystems

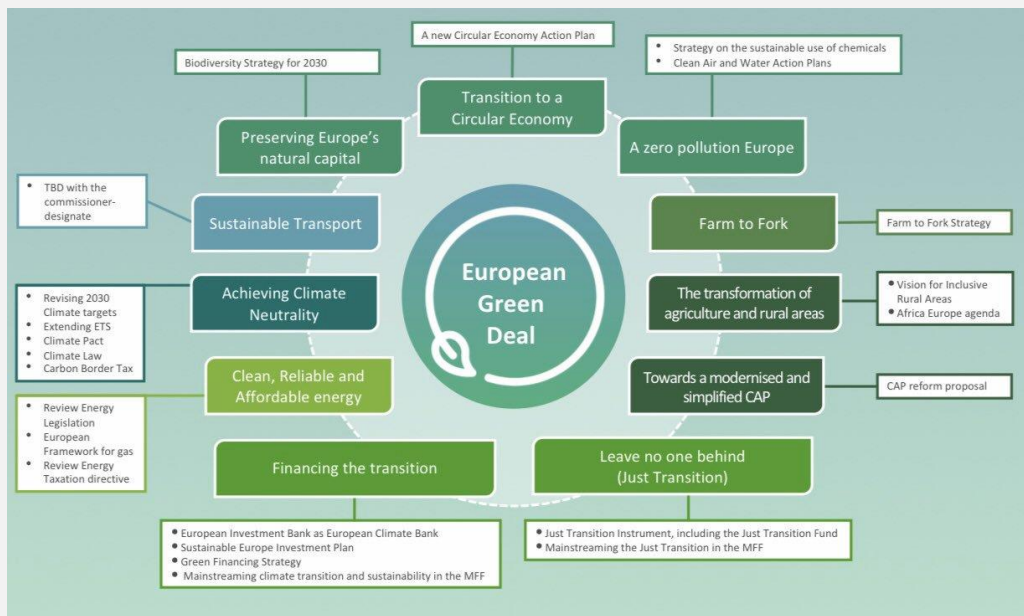
Eco-efficient Production and Eco-design.



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Environment is
the key factor for
the transformation of the
European
Economy

The Green Deal Investment Plan foresees **€1 trillion of sustainable investments** over the next decade. The largest ever share of public spending on climate and environmental action from the EU budget.



European Industrial Strategy promoting

twin transition to get

ambitious objectives on

climate neutrality

through **digital**

leadership

under the umbrella of the Green Deal.

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Basque Environment 4.0

- 4.0 Value chain mapping
- Cluster 4.0 Value Proposition
- Innovative cooperation projects definition



since **2018** aligning with

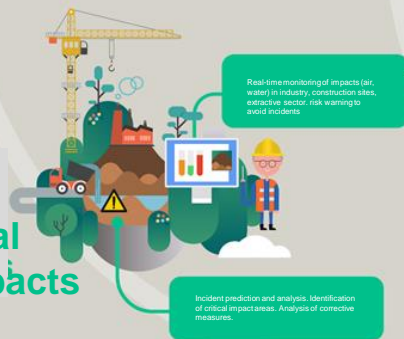
**Smart
Specialisation
Strategy** (RIS3)
of
**Basque
Country**

Advanced and effective environmental management

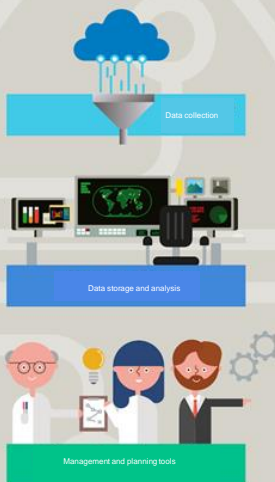
Sustainable and efficient primary sector



Control of environmental risks and impacts



Basque Environment 4.0



aclima
Basque Environment Cluster

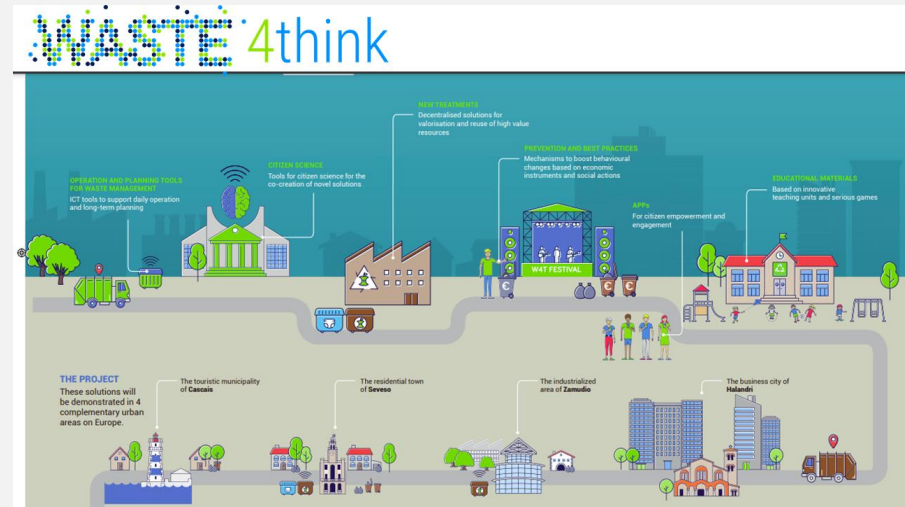
Nature and Biodiversity monitoring and management



Sustainable cities

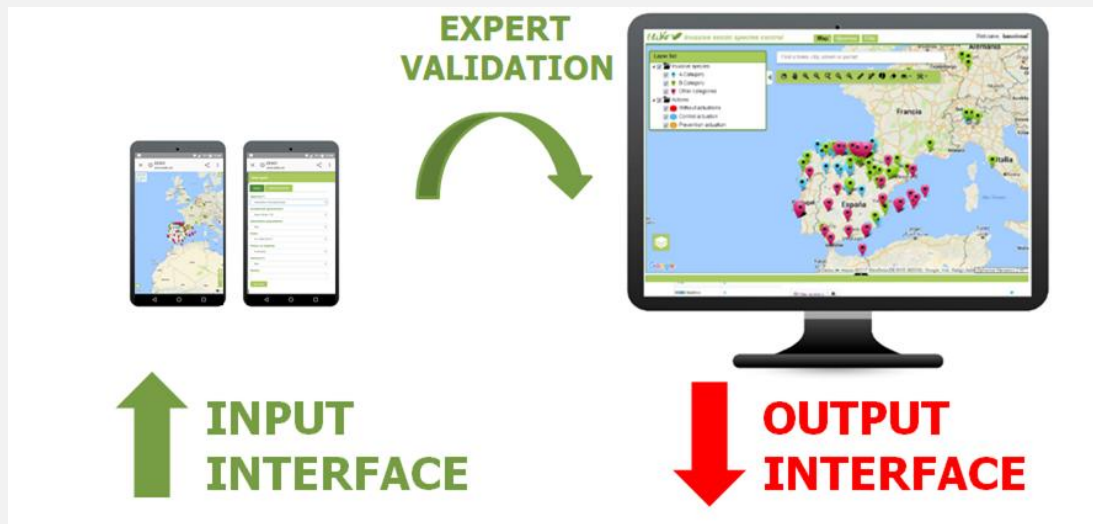
WASTE4THINK.

- Decision support platform via FIWARE (long term planning)
- Online monitoring (real-time characterisation of containers and management of collection trucks)
- PAYT by volume of collection
- Citizen participation and awareness: APP, serious games, awareness-raising campaigns.



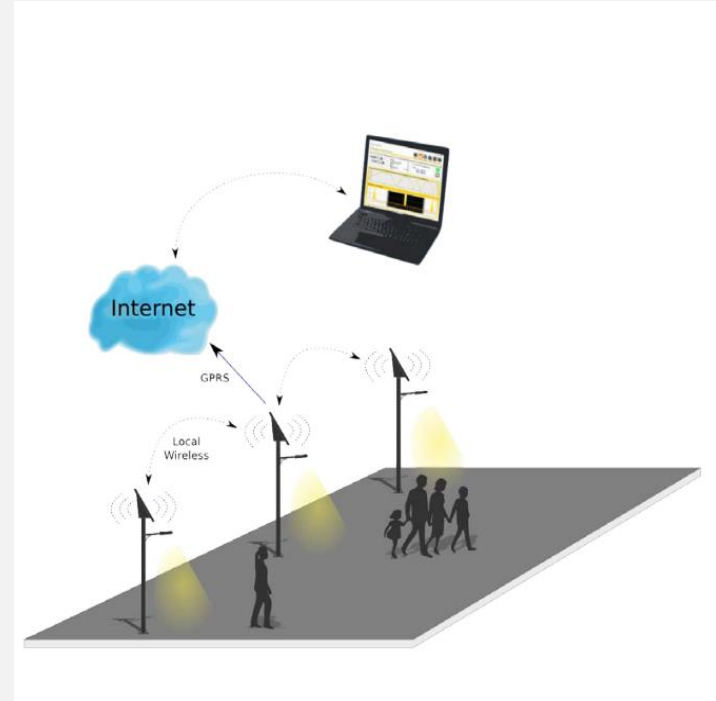
EEIKO

A crowdsourcing platform application for Invasive Alien Species (IAS) control and eradication. Providing a global vision of the distribution of invasive plants, fed thanks to the contributions of citizens so that administrations, promoting actions to fight against invasive flora, have more precise information to establish invasive species management tools.



LUMIKER

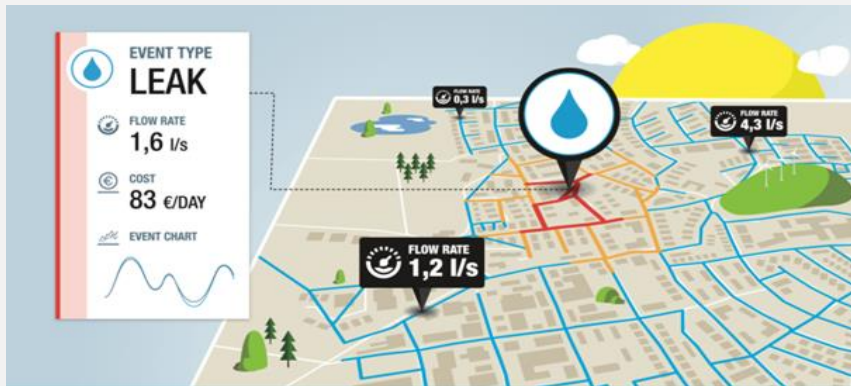
Intelligent solar street light system with server connection for consumption management.



LEAK FINDER

Software development for leakage reduction of commercial losses in the water supply network.

BuntPlanet^o
DreamingMinds

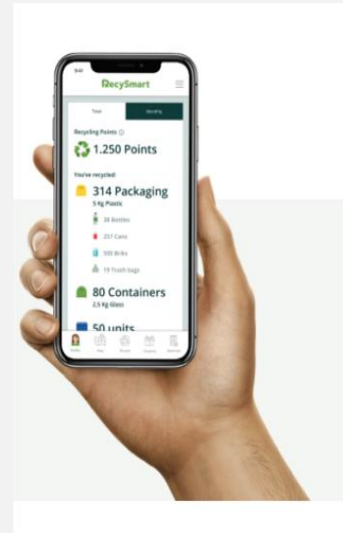


AIR A-10

Air quality monitoring during sports competitions with data collection and online access for monitoring and warning



Integral solutions for urban waste smart sorting – smart bins, access and ID tools for citizen engagement



SORGINORRATZ

Development of new solutions for the study and monitoring of aquatic ecosystems, using drones, providing significant improvements and new functionalities with respect to existing procedures and techniques.

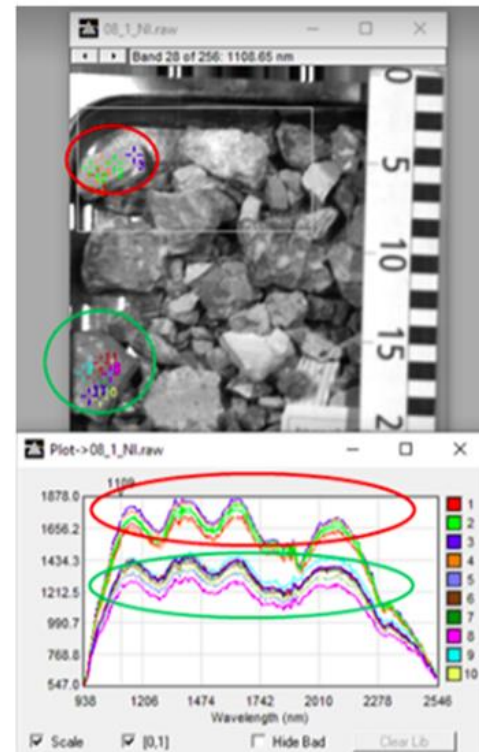
AGRUPA^{Lab}

anbiotek

Dronak



Advanced processing and traceability technologies for smart, high-efficiency recovery of material resources from complex + emerging waste streams using Artificial vision + Learning algorithms to be able to determine composition of the incoming materials



Challenges of twin transition

- Systematic application of the capacities already generated through regional digitalization policies to develop new environmental advanced services to meet the green deal's objectives
- Effective contribution to the sustainable competitiveness of our region by integrating digitalization as a key tool for the sustainability of industrial processes, efficient and sustainable management of territory resources, and ensuring environmental quality for citizens
- Minimization of the environmental impacts generated by digitalization (energy consumption, EEA waste)
- Foster private-public partnership to align strategies and get ambitious objectives of Green Deal

Key areas in Basque Country

- Deployment of the circular economy
- Improve environmental quality of the territory
- Climate change mitigation and adaptation

Thanks!

The environmental sector makes the other economic sectors:

- + EFFICIENT, in use of resources.
- + RESILIENTS, for Climate Change.
- + ATTRACTIVE, for the most committed talents.
- + DIFFERENTIAL, for more responsible customers.
- + In a nutshell:
COMPETITIVE.

Euskadi+S
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