



CONFINDUSTRIA
CISAMBIENTE

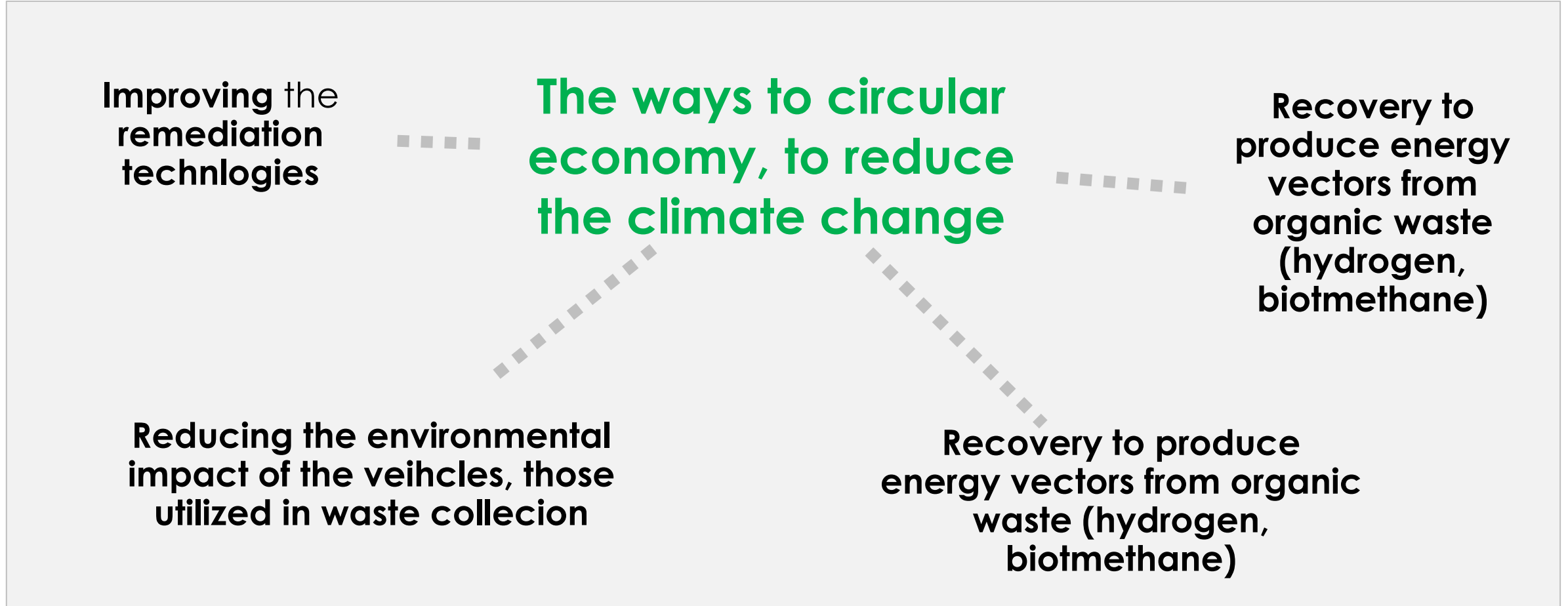
The Italian environmental
industry's recipe for the
challenge of climate change

**The state of art:
what we do for climate challenge**

November 30, 2023

Confindustria Cisambiente

The green economy is real!



The development of remediation activities

The path towards the remediation of contaminated sites



The problem

In Italy during 60s and 70s the **double-digit percentage industrial development**, sacrificing **environmental protection**



The results

Many contaminated sites, which, today, **require remediation activity**

The answer



Italy, and our compans, **started to develop appropriate technologies**
Still **we have to improve technologies** and legislative framework

Also In the 10s our Country introduced **a law in 2015** which introduced **new crimes to protect the environment into the penal code, no. 68**



The development of remediation activities

«Gran Tour Bonifiche 2023»

The Confindustria Cisambiente companies are absolutely committed to combating the phenomenon

They **guarantee** the **remediation** of **contaminated sites**



The “Gran Tour Bonifiche

A **concrete example of our commitment** (Italy, may-novembre 2023, 10 stages)



The development of remediation activities

The redevelopment of the Brindisi area (Puglia, Southern Italy)



Land

Interventions

Environmental mitigation works and **planting of shrubs**

22

The millions of euros used to rehabilitate the area

50

The hectares of the contaminated area

Flaps

Creation of a groundwater extraction system to **control** the **piezometric level** and a **water transport network** to the **TAF plant** (*treatment of extracted groundwater*)

1,5

The millions of cubic meters subject to rehabilitation

The **isolation** of the **entire contaminated** area, **using a HDPE plastic diaphragm**

Ecological waste handling

Reducing the environmental impact of vehicles



In Italy the Public Administration (PA) make its assignement by using minimum environmental criteria (CAM)

Its **goal** consist in **making this activity more efficient** and **transparent** from different point of wiews (tecnological, economic and environmental)

Our companies have to respect those criteria

Its **goal** consist in **making this activity more efficient** and **transparent**
By using the CAM



Ecological waste handling

The characteristics of our vehicles



The **environmental characteristics** of vehicles to have less impact on the atmosphere



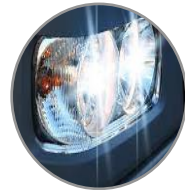
Technical specifications in terms of emission limits for polluting materials (carbon dioxide and air pollutants)



Technical specifications regarding new electric vehicles



Automatic tire pressure control systems



Light signaling devices

Energy carriers

Why hydrogen



Italy has endemic shortage of energy sources

Today traditional renewable sources, starting from hydroelectric (historically developed in Italy since the early 1950s), up to production from sun and wind, are insufficient to cover energy needs.

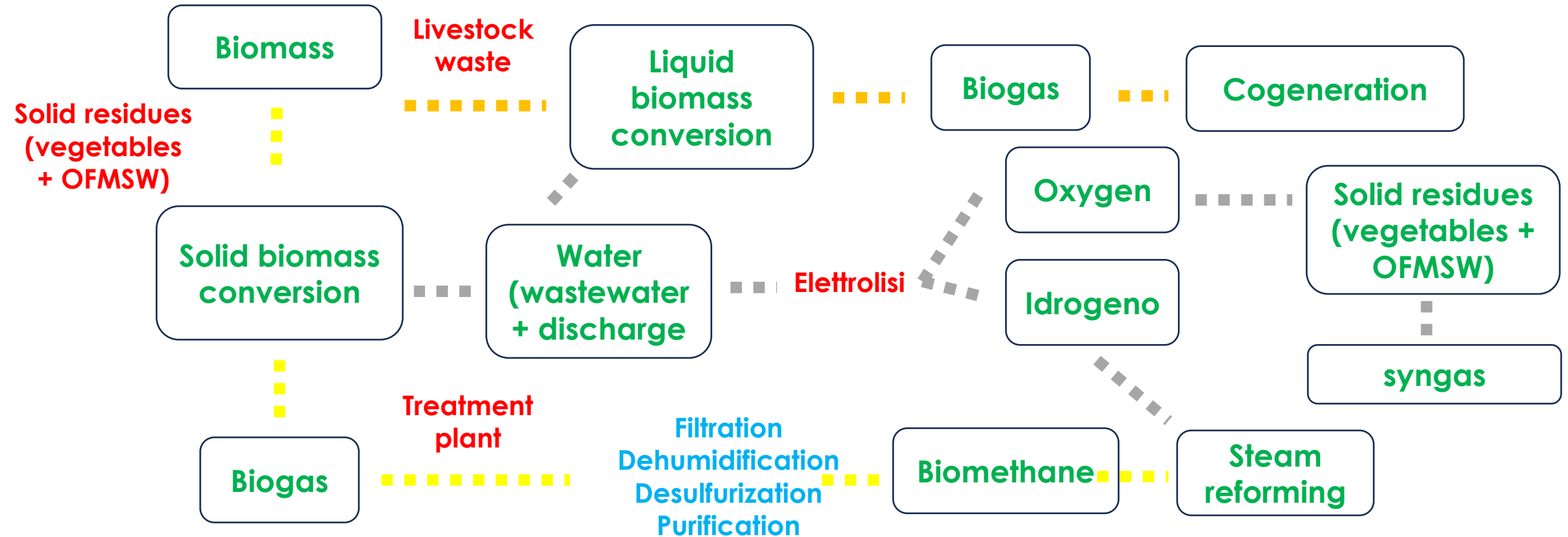
It's necessary to integrate those sources

waste can be an excellent solution



Energy carriers

Hydrogen and its potential



Energy carriers

Biomethane as a use of organic fraction of solid urban waste (OFSUW)

The production of biomethane represent an important way to manage the organic waste



Confindustria Cisambiente was historically born as a trade union association aimed at protecting the interests of companies that carry out urban hygiene. This kind of production methane make possible starting from the organic fraction of waste collected within our cities

Two important resultant are reached

The first: we can solve the issue of managing such a problematic waste fraction like the putrescible one

The **second: we can find** an outlet for the management





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Thanks!

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