Who is the French Solid Waste Partnership?

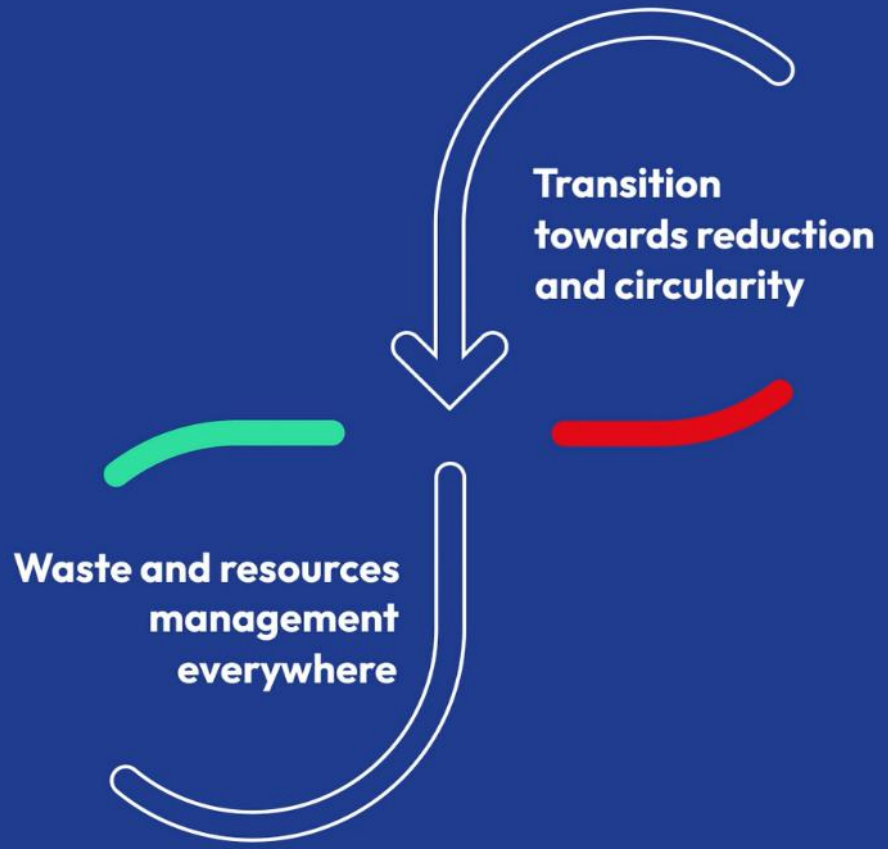
OUR MISSION



Coordinate and amplify

The voice of french waste stakeholders on the international stage

OUR VISION



MULTI-STAKEHOLDERS



The waste sector's climate impacts are under-estimated and under-exploited.

- **3 to 5% of total GHG** emissions come from the sector*
- A potential of **15 to 25% reduction** using a Lifecycle Approach*

* Lenkiewicz, L. et al. (2024). *Global Waste Management Outlook 2024: Beyond an age of waste. Turning rubbish into a resource*. UNEP and ISWA. Available at: doi.org/10.59117/20.500.11822/44939

The Business-as-Usual (BaU) scenario is unmanageable.

We need to act now!
Prioritising mitigation of methane from organic waste.

- **+50%** of waste volumes by 2050 (comp. to 2022)*
- **20%** of anthropogenic methane emissions come from the sector**

* Cook, E. et al. (2026). *What a Waste 3.0. Global Snapshot of Solid Waste Management towards Circularity until 2050*. World Bank Group. Available at: https://www.worldbank.org/en/publication/what-a-waste
** CCAC & UNEP (2021). *Global Methane Assessment: Benefits and Costs of Mitigating Methane Emissions.* United Nations Environment Programme, Nairobi. Available at: https://www.ccacoalition.org/sites/default/files/resources//2021_Global-Methane_Assessment_full_0.pdf.

COP31 TÜRKİYE ANTALYA

Waste sector : 3–5% of global GHG emissions
Transitioning to circularity : up to 20% of global emissions.

Four governance levers to support action!

1. ***Regulation, public policy and planning***
2. ***Inclusion of all stakeholders***
3. ***Sustainable financing***
4. ***Monitoring, reporting, verification and traceability***

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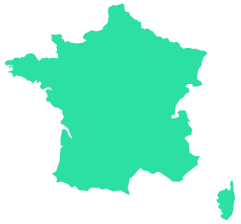
syctom l'agence métropolitaine des déchets ménagers

VEOLIA

AFD AGENCE FRANÇAISE DE DÉVELOPPEMENT

Partenariat français des déchets PFD
FSWP French solid waste partnership

How Can France Reduce its Emissions?



FRANCE

Transitions 2050 – Choose Now, Take Action for the Climate

WASTE & CLIMATE CHANGE

1 **Regulation, public policy and planning**

CARBON NEUTRALITY

Prospective thinking on possible ambitious and varied pathways to achieving our climate targets by 2050

- Four coherent technical, economic and social scenarios for a low carbon future: moderation, cooperation, technology and restoration.
- Support local and national dialogue across stakeholder groups to define priority actions.
- Beyond GHG reduction, the 2026 edition will include biodiversity, water, gas, digital tools, and AI dimensions.



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BENEFIT

- Risk analysis specifying the conditions and impacts of each scenario.
- Technical, economic and social knowledge gathered in one place.
- Developing knowledge to better plan the transition.

CO-BENEFIT

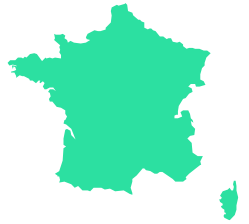
- Open dialogue between public decision-makers, businesses and citizens.

- Les futurs en transition - ADEME

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Standardising Packaging at National Level



FRANCE

The Reuse Network RVR facilitates and coordinates a working group

WASTE & CIRCULAR ECONOMY

1 **Regulation, public policy and planning**

REUSE ECONOMY POLICY

Working group members are reuse operators actively involved in container collection and/or washing.

- Nearly 40 participants.
- Over 50 packaging references standardised the anti-waste and circular economy (AGEC) law.
- Nearly 20 common references in the standards developed by Citeo, in REuse activation.
- Mainstreaming of the Reuse pictogram.





BENEFIT

- Improve the economic viability of reuse schemes.
- Help producer responsibility organisations (PROs) standardise reusable packaging.

CO-BENEFIT

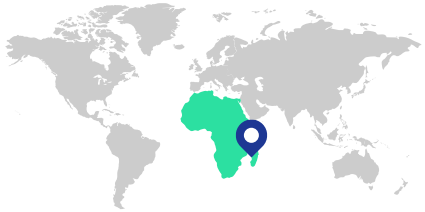
- Improved collaboration between reuse stakeholders.
- Increased public awareness on waste minimisation.

- Catalog of RVR Standards

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Planning wastewater and solid waste treatment

Concerted, viable sanitation and solid waste services



MADAGASCAR – AMPITATAFIKA

The SEPTA project strengthens sector governance and planning.

Market-based activities are developed across collection, treatment and recovery – for both liquid sanitation and solid waste.



WASTE & LOCAL GOUVERNANCE

1 Regulation, public policy and planning

PLANNING ACCES TO PUBLIC SERVICES

- **Concerted municipal planning** and activities.
- **Support to "sanimarket" operators** to promote toilet access; faecal sludge collection and treatment services.
- **Support to operators** for an efficient waste collection and treatment service.
- **Household awareness** of good hygiene practices.

BENEFIT

- Integrated sanitation and waste services
- Source separation collection and landfill diversion.
- Access to private and public toilets, waste disposal services, and sanitation products.

CO-BENEFIT

- **Local jobs** along the sanitation and waste chains.
- **A commercial network** for products from waste and sludge recovery.
- **Better hygiene practices** in household.

Diotontolo

Madacompost

PARIS

GRET

AGENCE eau seine NORMANDIE

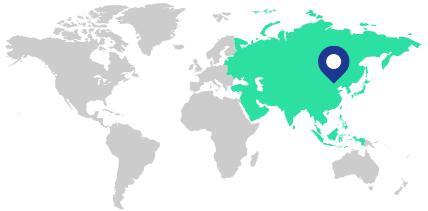
- Fiche-projet_SePTA.pdf

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A Women-led Informal Waste Collection System in Hà Nôi

Waste collection and recycling in a city overwhelmed by waste



VIÊTNAM - Hà Nôi

WASTE & SDGs

2 Inclusion of all stakeholders

BEHAVORIAL SCIENCE

Main highlights of this comprehensive study:

- 20% of urban waste is collected informally, mainly by women.
- The informal sector is complex and composed of street collectors, waste deposit managers and recyclers.
- Recycling practices are highly polluting for the environment and health.



BENEFIT

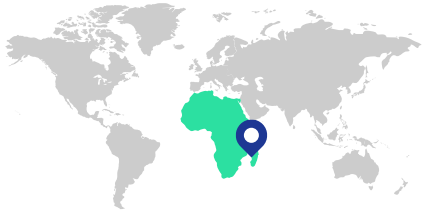
- Baselines for future policy development in order to:
  - Reduce the pollution and GHG emissions by improving the recycling techniques.

CO-BENEFIT

- Baselines for future policy develpment to:
  - Improve working conditions of women collectors.
  - Recognize and support the informal recycling system.

- Collecter et recycler les déchets à Hà Nôi - Acteurs, territoires et matériaux - (EAN13 : 9782709929660) | Un éditeur pour le développement (ird.fr)

Financing compost



MADAGASCAR – MAHAJANGA & ANTANANARIVO

Turning household waste into compost and carbon credits

WASTE & CLIMATE CHANGE

3

COMPOSTING /SUTAINABLE FINANCE / CARBON FINANCE

The social enterprise Madacompost sorts household waste and composts it, offering cities a sustainable treatment solution. It is Gold Standard certified with GoodPlanet Foundation.

- **Business model** integrating carbon credit revenues.
- **Technical assistance** on composting treatment and recovery.
- **Institutional support:** relations with local authorities, public service financing, territorial waste management plans.
- **Carbon credit monitoring and audit.**



BENEFIT

- Cutting methane emissions.
- Reduced treatment costs for cities.
- Amendment to soils.

CO-BENEFIT

- Carbon revenues on the voluntary market, via the GoodPlanet Foundation, for a viable social enterprise.
- Compost marketed as a local product.
- Improved local waste management and fewer environmental impacts.

Madacompost

FONDATION GoodPlanet

GRET

- Madacompost

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Cométha Innovation Partnership

Co-treatment of wastewater sludge and household organic waste

FRANCE – Paris

WASTE & CLIMATE CHANGE

3 Sustainable financing

INNOVATIVE PARTNERSHIP / PUBLIC PROCUREMENT FINANCING

How the innovation partnership works:

- Several consortia are invited to tender for one innovation contract
- Public buyers fund R&D and own the results
- Patents developed and filed by the consortia are owned by the public buyers
- Three phases: lab research, pilot unit, industrial rollout



BENEFIT

- No re-tender needed after R&D.
- Competition drives motivation.
- Transferable to other public bodies.

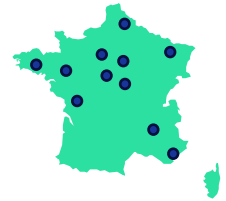
CO-BENEFIT

- Protects public R&D and intellectual property.
- Pooled waste and wastewater expertise from two public authorities (Syctom & SIAAP).

- Cométha (cometha.fr)

MassBio$_2$ the CO_2 Dashboard

Assessing biogenic and fossil carbon fractions in incineration waste and energy from waste



FRANCE – 11 locations

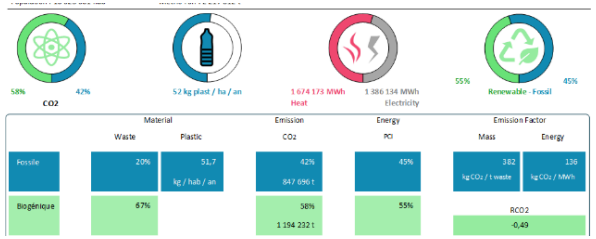
WASTE & CLIMATE CHANGE

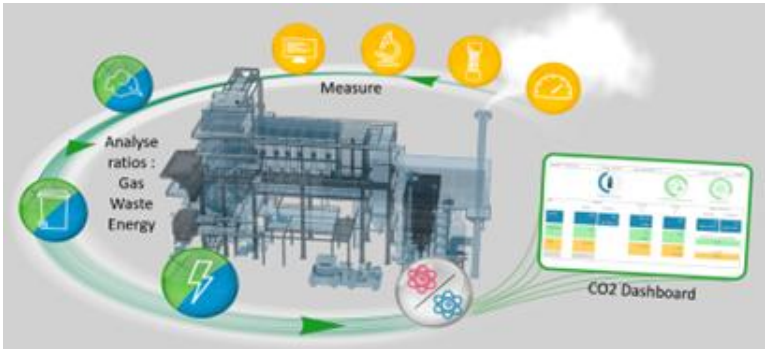
4 **Monitoring, reporting, verification and traceability**

WASTE TO ENERGY

From flue gas to waste composition… by measuring the origin of CO_2 (^{14}C analysis):

- An algorithm assesses biogenic and fossil CO_2, the waste composition, and the renewable energy fraction





BENEFIT

- Measure CO_2 emissions to understand waste composition and identify levers driving mitigation actions.

CO-BENEFIT

- Citizens and decision-makers awareness to reduce waste production.
- Metrics on waste composition to dive action.

Groupe MERLIN

- Nos innovations -R&D | Groupe Merlin (cabinet-merlin.fr)

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Assessing the GHG Emissions of a Waste Collection and Treatment Service



GHG assessment, a tool for understanding carbon impact and identifying emission reduction levers

FRANCE

WASTE & CLIMATE CHANGE

4 Monitoring, reporting, verification and traceability

HOLISTIC WASTE MANAGEMENT

Targeted action plan to reduce CO_2 emissions:

Objective: Achieve a 3% annual reduction in emissions, totaling 16 ktCO2e, broken down as follows:

- 70% through CO_2 capture and recovery from the WtE plants.
- 8% by improving residents' sorting habits.
- 7% with a sustainable purchasing policy.
- 7% by expanding the fleet of electric machines.
- 5% by using biofuel for the vehicle fleet.



Sitcom
Côte sud des Landes AU SERVICE DE SON TERRITOIRE

BENEFIT

- Sequestration of biogenic CO_2
- 58kg CO_2 eq reduction per capita in 5 years.

CO-BENEFIT

- Reduce the use of fossil fuels through improved recycling.
- Develoment of innovative approaches and processes.
- Identify emissions avoided through waste recycling and recovery operations.

- Bilan Carbone Sitcom Côte sud des Landes

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Let’s work together to mobilise and take action towards a circular economy that increases wellbeing, protects health and the environment, reduces fossil dependencies and strengthens economic resilience.



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