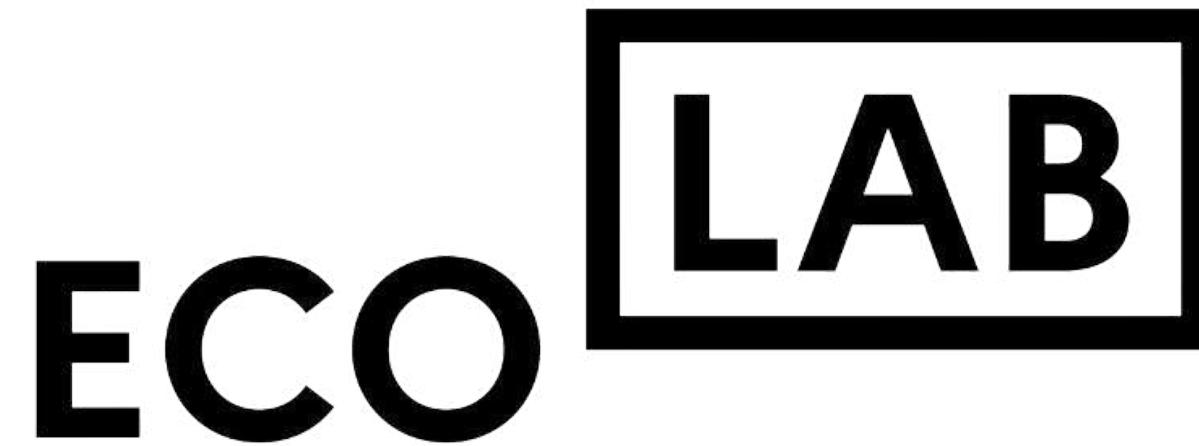




GOUVERNEMENT

*Liberté
Égalité
Fraternité*



Innovation - Écologie - Territoires

Commissariat Général au Développement Durable

INNOVATION LAB FOR THE ECOLOGICAL TRANSITION

***Aims to accelerate the ecological transition
through data, AI and Greentech startup support***

Situating ECOLAB

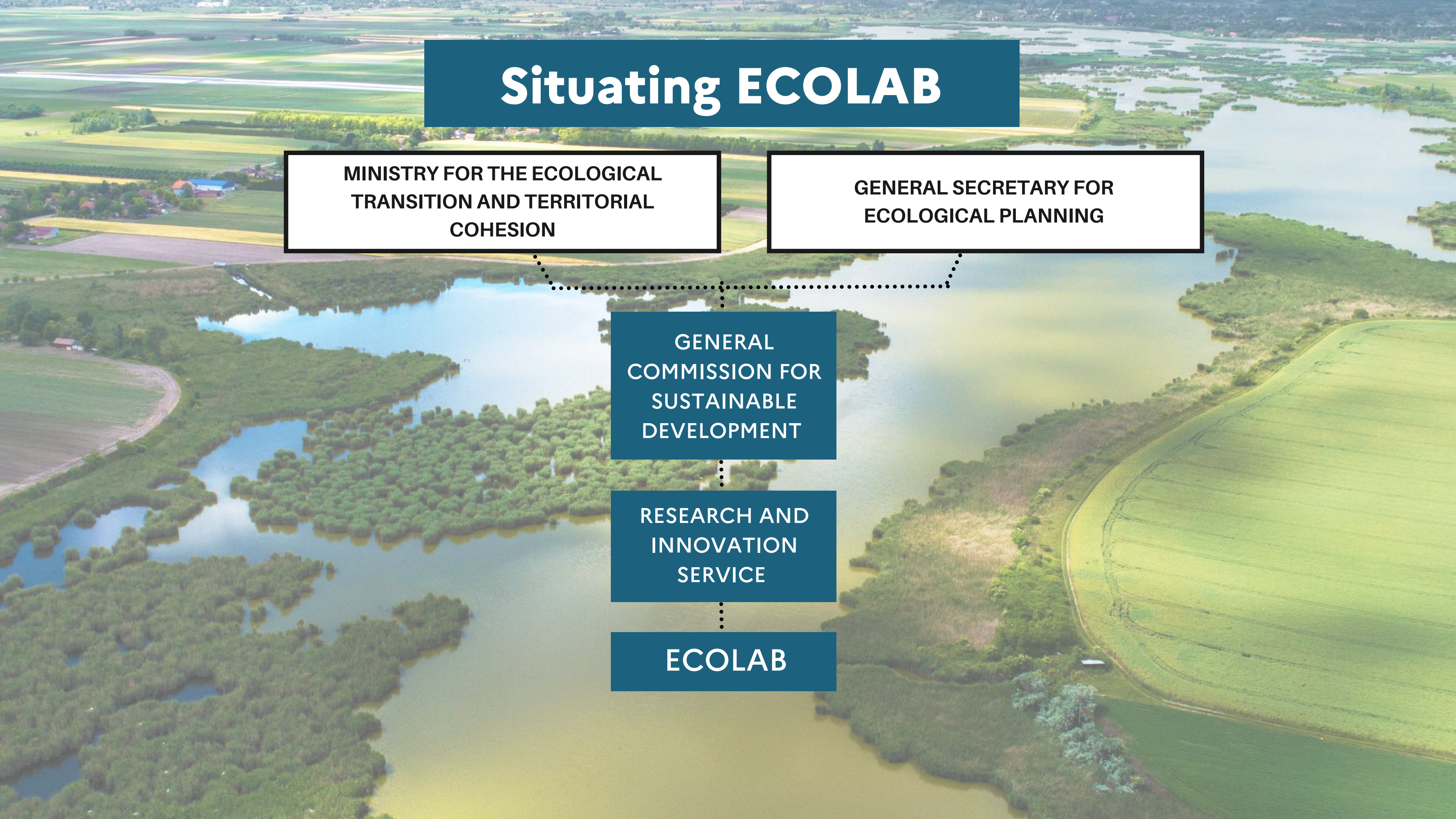
MINISTRY FOR THE ECOLOGICAL
TRANSITION AND TERRITORIAL
COHESION

GENERAL SECRETARY FOR
ECOLOGICAL PLANNING

GENERAL
COMMISSION FOR
SUSTAINABLE
DEVELOPMENT

RESEARCH AND
INNOVATION
SERVICE

ECOLAB



SERVING “FRANCE GREEN NATION” AND ECOLOGICAL PLANNING

ECOLAB’s missions are contributing to “France Green Nation”'s ecological planning strategy carried by the General Secretary for Ecological Planning (SGPE - Prime Minister Service).



L'ECOLAB

Scope & projects

**2 ACTION
LEVERS**

**DATA/AI
Knowledge**

**START-UP &
OPEN INNOVATION**



START-UP AND OPEN INNOVATION

Driving the French greentech ecosystem



Ecolab, through their startup and open innovation office, is leading the French greentech ecosystem.

This leadership is materialized with a detection and supporting of startups and SMB offering innovative solutions able to accelerate the ecological transition.

A call for expression of interest is open every year for these startups. So far startups and SMB are recognized "Greentech Innovation" by the French government.



THE GREENTECH INNOVATION INITIATIVE

Themes addressed

Industry decarbonation

Sustainable buildings and cities

Water, biodiversity and biomimicry

Sustainable mobility

Renewable and decarbonated energies

Circular economy

Eco-friendly digital technology

CSR and sustainable finance

Innovation for marine ecosystems

Health and environment

Risk management

Sustainable agriculture and nutrition



START-UP & OPEN INNOVATION

Some numbers about Greentech Innovation



2750

Startups and
SMB
innovating for
the ecological
transition in
France

1100

Startups and
SMB displayed
at the 2023
Greentech
Meet'Up: a
dynamic
ecosystem

35

Incubators
contributing
to the
National
Network of
Greentech
Incubators

33

Organisations
in the
scientific and
technical
network of the
ministry

302

Startups and
SMB laureate
from the CIM
Greentech
Innovation

4

Boosters to
support
Greentech
Innovation
Startups



START-UP & OPEN INNOVATION

Addressing territorial issues: some examples

Waste management



Renewable energies



Sustainable urban logistics

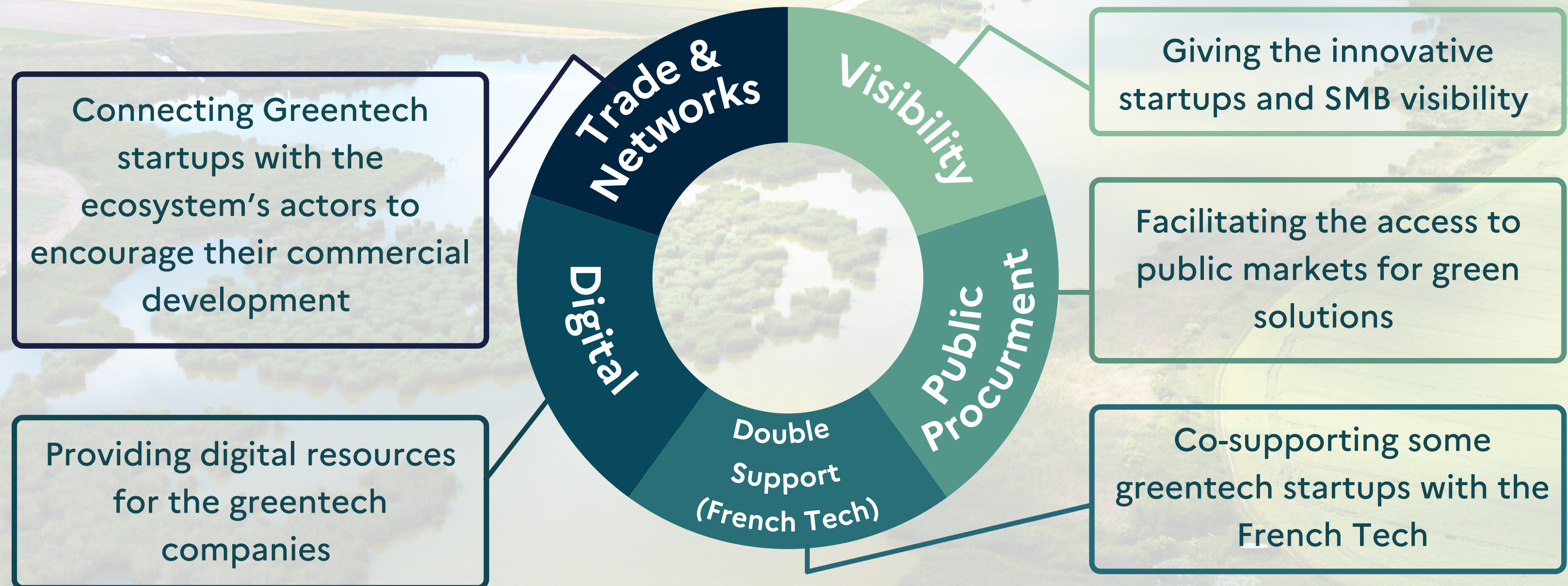


Urbanization



GREENTECH INNOVATION INITIATIVE

Support offers:



SUPPORT OFFER

Visibility Booster

Giving the innovative startups and SMB visibility

- ✓ Display of the Greentech Innovation distinction (show the government's support)
- ✓ Communication relay through different media (social networks, newsletters, interviews ...)
- ✓ Referencing in the Greentech Innovation startups and SMB directory
- ✓ Visibility opportunity to the ministries of the Ecological Transition and Territorial Cohesion and of the Energitical Transition
- ✓ Solutions highlighted during exhibitions (stands, pitches, interventions...)
- ✓ Solutions highlighted at the 2024 Greentech Meet'Up



SUPPORT OFFER

Trade & Networks Booster

Connecting Greentech startups with the ecosystem's actors to encourage their commercial development

- ✓ Professional events for trade developpement (Thematic business meetings, networking ...)
- ✓ Sessions to pitch to investors
- ✓ Access to a directory of impactful investors
- ✓ Greentech events schedule (Greentech Decision-makers meeting, Greentech Meet'Up, PEXE Forum , VivaTechnology, Pollutec, Mayors and local communities exhibition ...)
- ✓ Communication space (Access to the " Greentech Innovation Community" slack...)



2023 Greentech Meet'Up



Greentech Decision-makers Meeting



GeoData Days



Pollutec



Time to Change



Mayors and local communities exhibition



SUPPORT OFFER

Public Procurement Booster

Facilitating the access to public markets for green solutions

- ✓ Training and awareness raising to public procurement (different kinds of markets ...)
- ✓ Help with finding relevant communities and with connecting with them
- ✓ Specific BtoA referencing in the Greentech Innovation directory
- ✓ Access to Cision (institutional and media contact base)
- ✓ Participation to public procurement related events (GDM, Mayors and local communities exhibition ..)
- ✓ Possibility of residency at one of ours Greentech Living-Lab



THE "GREENTECH LIVING-LAB " APPROACH

Residency space for Greentech companies, in strong partnership with the local territory to encourage sustainable and innovative purchases



GOALS

- To equip the territories with organisations to accelerate sustainable and innovative purchases
 - To favorise exchanges and relationships based on trust between eco-innovative companies and communities
 - To accelerate local public policies for the ecological transition through experimentation and contract-making between companies residing at the LLG and public actors
 - To “unrisk” public innovative purchases (Greentech Innovation recognition and Ecolab’s support)
- To accelerate local sustainable economic development by favoring the establishment of ecological transition and territorial resiliency related jobs



PROJECT IN PROGRESS



**Mes Services
Greentech** beta

Communities: find eco-innovative suppliers and aids to make your sustainable purchases !

My Greentech services is a project of a website for public actors et the eco-innovative VSB / MSB



- Find sustainable and innovative companies to answer your purchase needs



- Find aids and financing plans for your purchases



- Find public actors who already worked with eco-innovative companies



- Benefit from a resource center on public innovation markets

Try my Greentech Services !

Contact and/or share your needs :

greentechinnovation@developpement-durable.gouv.fr



The Greentech Decision-makers Meeting

The main event on public or private sustainable innovation purchase

The Greentech Decision-makers Meeting (GDM) are biannual events to bring closer innovative and sustainable companies, public actors or from major private accounts



Stage 1
Sustainable
Mobility
May 2021
Online



Stage 2
Sustainable
buildings and
cities
Sep. 2021
Lille



Stage 3
Urban Logistics
June 2022
Strasbourg



Stage 4
Mountain
Innovation
Jan. 2023
Courchevel



Stage 5
Sobriety and
impactful innovations
July 2023
Aix-Marseille-
Provence



Stage 6
Coastal territories
adaptation
June 2024
Biarritz



The Greentech Decision-makers Meeting

The main event on public or private sustainable innovation purchase

The 6th stage:
“The coastal territories : Adaptation through innovation”

- ✓ + 400 Persons registered
- ✓ 350 attendees in person
- ✓ 1254 Business meetings requested



SUPPORT OFFER

Digital Booster

Providing digital resources for the greentech companies

- ✓ Schedule of webinars
- ✓ Attendance at the Greentech Innovation Job Board
- ✓ CRS and positive impacts of Greentech startups and SMB classes
- ✓ Access to a media contact base
- ✓ Access to strategical and commercial documents (market studies ...)



NATIONAL GREENTECH INCUBATORS NETWORK

The National Greentech Incubators Networks gathers 35 public and private organisations that share the same will to accompany and support startups and SMB innovating for the ecological transition

Incubators list :

<https://bit.ly/3LHT2en>



DATA/AI

Projects & field of expertise

ECOLAB is in charge of the ministerial administration of data but also of geolocated data for the government

Geolocated
information

AI Roadmap for the
ecological transition

AI demonstrators by
and for the territoires

Liriae

Data, algorithm and
source codes Roadmap
Digital and Data
Roadmap

“Mission Connaissance”

Data Services

Ecospheres

Territorial Indicators for
the local communities

Regional data
platforms

Green Data for Health





GEOLOCATED INFORMATION

National Council for Geolocated Information



CONTEXT

The National Council for Geolocated Information aims to enlighten the Government in the field of Geolocated Information. The National Secretary of the NCGI is guaranteed by the Ministry for the Ecological Transition and the General Commission for the Sustainable Development is the contact point for the INSPIRE directive.

The National Council for Geolocated Information is an essential organisation in the time of ecological planning because the geolocated data are crucial to lead public actions.

ACTIONS

The National Council for Geolocated Information is in charge of supplying technical elements linked to geolocated information to support public policies, to organise concertation between data producer and local communities, to produce standards and guides to favor geolocated data use and guarantee their sovereignty, to promote innovation and to drive the ecosystem and also promote communication and skills development concerning geolocated information. NCGI's values include openness, collaboration, transparency and expertise.



IA & ECOLOGICAL TRANSITION ROADMAP: LINE 2

- IA territorial actors community : webinars and meetings organisation, publishing of a “white book”
 - Feb. 8th “Communities are mobilizing AI to help with environmental projects” in partnership with the Interconnectés
- Call for projects “Frugal AI for the Ecological Transition in the territories Demonstrators ”
 - 4 communities laureates during the 1st wave

Use cases:



Territory planning



Risk prevention



Water management



Mobilities



AI FOR ENVIRONMENTAL ASSESSMENT

LIRIAe : Reader and smart researcher for the environmental authorities

CONTEXT

Every year, environmental authorities deal with numerous cases of projects such as wind farms, industrial installations etc.

However, some cases are not investigated enough causing a neglect of environmental stakes.

Research, control and relevant opinion writing are constituting an crucial and laborious part of the analyzing process.



ACTIONS

To facilitate this process, CGDD's Ecolab developed tools to help with the reading and searching for information in collaboration with other organisations and specialists (DNUM/ MTECT, INRIA through labIA/ DINUM Brittany and Burgundy's DREAL). These tools allow a fluent reading of the cases while strengthening the most relevant files, facilitating research inside the cases and offering advanced AI features to improve the user's experience. These improvements aim to integrate an environmental dimension to the existing models to upgrade the environmental cases' analysis.



DATA FOR THE ECOLOGICAL TRANSITION STRATEGY

Data roadmap, algorithms and source codes

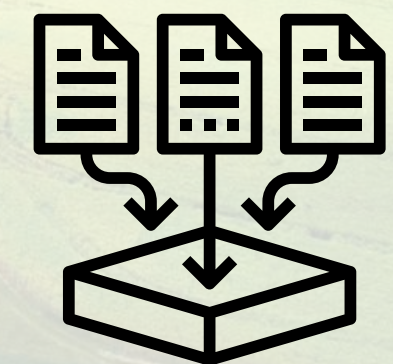
AMDAC'S CREATION

The ministerial data, algorithms and source codes Administration are in charge of the ministries' strategy in these fields but also of coordinating the stakeholders and act as a key contact for the data and digital applications users within the ministry's field.

The ministry's roadmap is dealing with 3 forms of data: IT, legal and practical. It focuses on projects and public policies support and on collective upskilling for the ministries.

GOALS

Ecolab and AMDAC's work allow data to be displayed and understood, to circulate in "open data" when possible or only between beneficiaries, to be efficiently activated to serve public policies, other administrations and outside the public sphere to make the ecological transition more effective.



AMDAC'S TANGIBLE ACTIONS

Creation of a ministerial data community of nearly 300 data actors from all sectors of central administration (IGN, OFB, BRGM, INERIS, ADEME, IRSN, Ifremer...) and devolved services (DREAL, DEAL, DIRM, DDT, ...)



Adaptation of the whole of the employees of the Ministry to the extent of controlling the data's quality through a popularisation document



Legal support to the projects and public policies for the making and spreading of data



AMDAC'S 6 TANGIBLE GOALS

6 OBJECTIFS

Moderniser l'action du pôle ministériel
concernant la donnée

1. Rendre la donnée mobilisable

2. Développer la culture et l'usage de la donnée

Formation Outils, POC, Encadrement, Financements

6. Utiliser les données de manière conforme et
sécurisée

Permet

Demande

Accélérer la transition écologique
grâce à la donnée

3. Partager les données entre administrations

S'approprier, mobiliser, partager les données, innover

4. Partager les données au travers d'une
coopération public-privé

Innover & expérimenter les Espaces Communs de Données

Ecosystèmes nationaux et territoriaux : Collectivités-Etat-Entreprises-
Citoyens

5. Positionner
la France
dans la
stratégie de
données UE

2 LEVIERS D'ACTION TRANSVERSES

Faire vivre la feuille de route via une gouvernance dédiée

Equiper le pôle ministériel des outils essentiels en matière de gestion des données



SKILL DEVELOPMENT ON DATA

CONTEXT

A better use of Data for general interest, to protect sensitive data and boost innovation through data are some of the stakes of a public policy on data becoming strategic for the administrations.



ACTIONS

Several actions are set up to encourage skill development:

- 10 unseen courses of skill assessment on “data in the public sphere” are available since March 2024 for all public organisations;
- A series of webinars on data knowledge for public sector workers from the Ministry of the Ecological Transition;
- Online lessons on OpenClassrooms (61 courses);
- Work with OpenDataFrance on data key skills.



KNOWLEDGE: A SUPPORT FOR PUBLIC POLICIES

“Mission connaissance” of the territories for the ecological transition

CONTEXT

The “Mission Connaissance” is part of the transversal undertaking “Data and Digital” from the governmental action plan “France, Green Nation” and aims to be a vector of acceleration for the ecological transition in the territories.

This initiative allows a reinforcement of the role of territorial knowledge in the making, management and assessment of environmental public policies for the whole of the actors (central administrations, devolved services, territorial communities ...).

ACTIONS

The “Mission Connaissance” develops tools and digital services to help decision-making for the public sector and local communities workers. It set up several thematic hub: water and pollutants, sustainable mobility, quantitative water management, renewable energies, drones and satellites, territorial knowledge support, energetic buildings renovation. It also leads the National Network of Knowledge for the Ecological Transition (DDT-M, DREAL, DEAL, ...) to share good practices and encourage new ideas to emerge.



“MISSION CONNAISSANCE” OF THE TERRITORIES FOR THE ECOLOGICAL TRANSITION

An answer to the need for territorial ecological transition public policies.

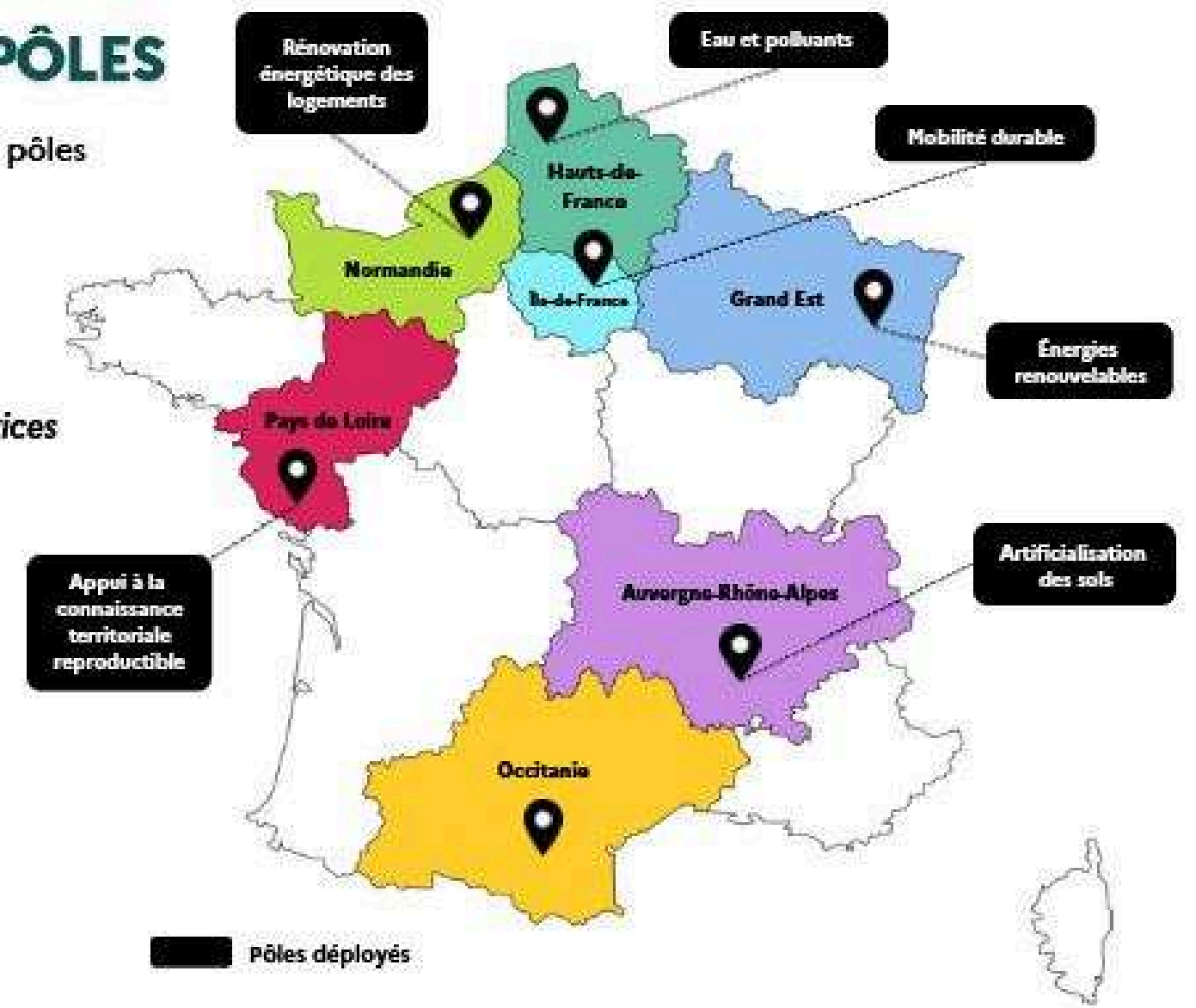
The goals:

- Improve decision-making
- Better action coordination
- Favor innovation

CARTE DES PÔLES

Répartition actuelle des pôles régionaux à vocation nationale de la mission « Connaissance ».

→ Hébergés par les services déconcentrés régionaux (DREAL & DRIEAT)



SUPPORT OFFER FOR DATA AND AI PROJECTS

Data service : To initiate and achieve Data / AI projects

Within Ecolab and linked with the DNUM, Data Service offers to accompany data-centered projects ...

For the management, services and operators of the ministry of the ecological transition and devolved territorial services.

To help leading, planning and accelerating the ecological and energetic transition public policies impacting the whole ecosystem (local communities, citizens, companies...).

On products or projects whose value is brought or amplified by data whatever their stage of development is. For example with data treatment, modelling, AI, boards, data visualization tools ...

It enables:

A better understanding of data's stakes

Value-making with data

Blockages removal

Setting up acceleration

Ties forging between interlocutors and specialists



ECOSPHERES

ACTIONS

To improve data discoverability, Ecosphere offers:

- Visibility reinforcement of data linked with ecology and energetic transition through the setting of environmental impact evaluation indicators of produced data and partnership development with sector-specific actors;
- A beta version of the ecologie.data.gouv.fr platform, marking an important step
- To gather user's feedback to improve their user experience to keep enhance the website's features.



DATA BY AND FOR THE TERRITORIES

Information websites for the territories

CONTEXT

One of Ecolab's challenges is to mobilize data and to contribute to the local ecosystems. Indeed, data are used as a support for digital transformation while facilitating the territorialization of the ecological transition.

Ecolab generates complementary dynamics, particularly with relaying a neutral animation with Afigeo and the NCGI.



ACTIONS

Ecolab's first action is to offer services on the territorial data infrastructures' websites such as "Prodige".

Then, urbanization actions, allow for support for regional and thematic hubs from the "Mission Connaissance" willing to become national (by highlighting territorial data websites and allowing them to exploit regional data according to their projects).

The goal is to share the tools and services related to the "Connaissance" of the territories and to stimulate innovation and creation of new solutions.



TERRITORIAL INDICATORS FOR THE ECOLOGICAL TRANSITION

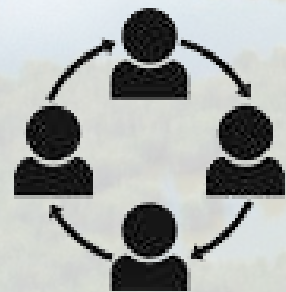
This project aims for an indicator hub for the ecological transition based on 4 pillars:



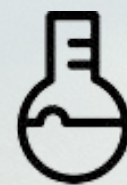
Mapping and inventory of indicators



Simplified user experience



Coordination of state actors and operators



Investigating local intercommunalities

Goals:

- Sharing national goals on ecological transition at the territories' level
- Facilitating the porting of local stakes on ecological transition, especially concerning the CRTE's territorial projects and action plans
- Start a dynamic of strengthening existing territorial indicators with the support of the services' skills.
- Experiment their implementation and integration in an relevant user experience on trial territories.



GREEN DATA FOR HEALTH : THE COMMON SPACE FOR HEALTH & ENVIRONMENT DATA

To mobilize and enhance environmental data, by the actors from research and expertise in health and environment's service.

Goals:

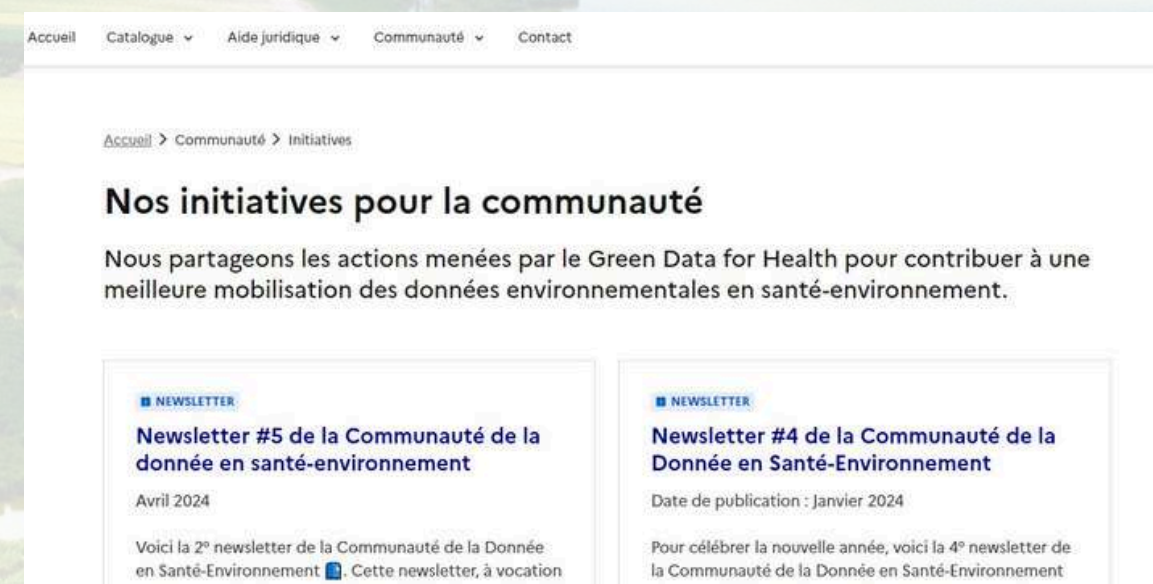
- Facilitate the ability to repair and access to environmental data including territorial ones;
- Describe relevant and available environmental data for a rigorous pairing with health data;
- Improve communication and synergy between different actors of health and environment (interoperability stakes).

L'offre de service du GD4H (CGDD/SRI/Ecolab)

SYNERGIE	COMMUNAUTÉ
	Création & animation de la communauté de la donnée en santé-environnement Création & co-animation (HDH, DNS) du GT sur l'interopérabilité des données
REPERE	CATALOGUE DE RESSOURCES
	Catalogue de données environnementales accessible en ligne
ACCÉDER	AIDE JURIDIQUE
	Ressourcerie juridique (fiches) en ligne Outil juridique d'autodiagnostic Charte pour favoriser l'ouverture des données
MOBILISER & VOUSER	PROJETS DONNÉES
	Cas d'usage sur l'Urbanisme favorable à la Santé Cas d'usage pour la construction d'une base sur les PFAS Appels à projets avec le HDH (dont une 2 ^e édition lancée en fin 2023) Challenge GD4H
SEMI-REPERE	FORMATION
	Webinaires & interventions pour former aux enjeux de mobilisation des données environnementales Formation citoyenne sur les données santé-environnement (HDH)

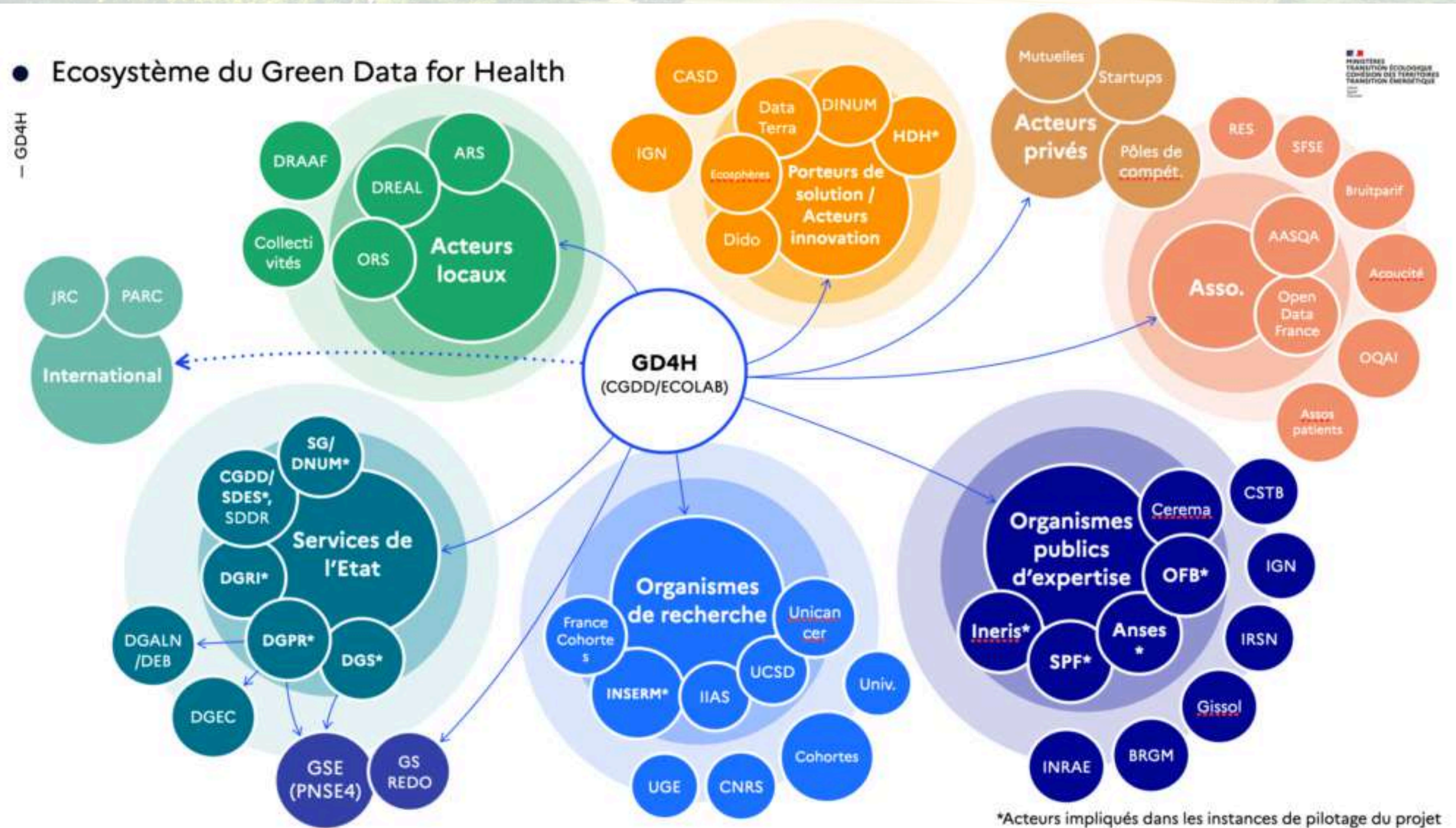


Website overview



● Ecosystème du Green Data for Health

— GD4H



FIND US HERE



LinkedIn



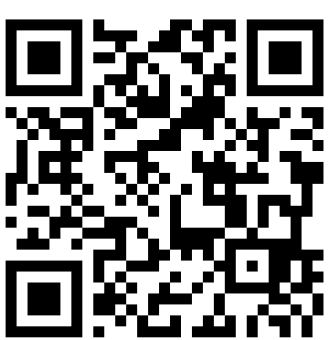
Website



Instagram



Youtube



X



Podcast

