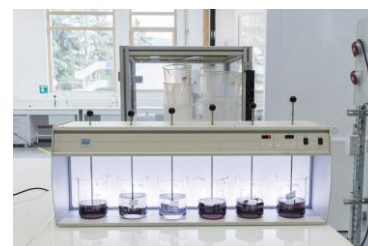
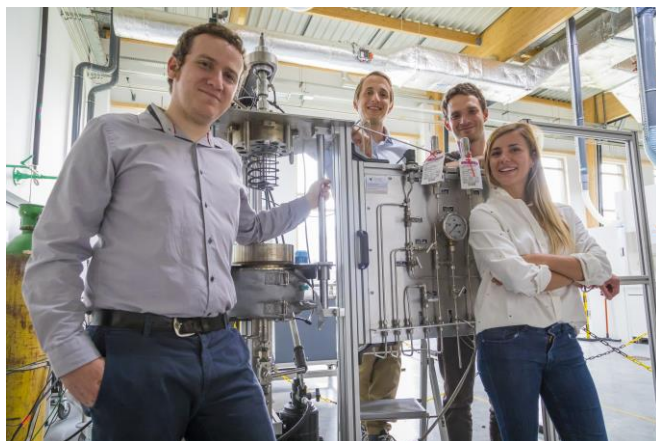


## PARTNER SEARCH Green Deal Call 8.1

### Who we are:

HYMAG'IN is a **French industrial startup company**. HYMAG'IN develops an innovative and sustainable technology for the production of ultrafine powder of **magnetite**, a high-value iron oxide. HYMAG'IN promotes a **circular approach** by using unexploited steelmaking waste as raw materials.

HYMAG'IN is **Grand Prize Winner** of the French **i-Lab contest**, organized by the **French Ministry of Innovation** to foster breakthrough innovation by supporting start-up companies. HYMAG'IN received 400 k€ of subsidies in 2019 to support its research and development program.



HYMAG'IN also receives support from the **European Institute of Innovation and Technology EIT RawMaterials**, through the Accelerator Program and the Booster funding.



### What we are looking for:

HYMAG'IN is seeking to join a consortium of **partners to develop and demonstrate innovative, sustainable and cost-effective water remediation solutions in a collaborative way**, with a variety of public and private partners involved in the whole value chain: water treatment expertise, process engineering, project management, risk management, policy making.

In view of the Green Deal Call, HYMAG'IN is targeting **the third and sixth points of the LC-GD-8.1 expected impact**, by developing a solution for better remediation, and by supporting the new Circular Economy Action Plan.



October 2020

### What we offer:

HYMAG'IN offers its expertise in the **development and production of innovative and sustainable materials for soil and water remediation purposes**. Based on magnetite powders, these materials exhibit a unique combination of physico-chemical properties yielding efficient treatments of **heavy metals** such as arsenic, lead, mercury, as well as **persistent organics, such as chlorinated compounds, PFAS, drugs and pesticides residues**, through surface adsorption and chemical degradation.

With a current **production capacity of 2,000 kg/year** provided by its demonstration equipment, HYMAG'IN is able to develop and test innovative materials through **feasibility tests at lab scale** (proofs of concept – TRL 4-5), and to **provide expertise and samples** to partners for setting up higher scale pilot tests.

**More than 10 proofs of concept have already revealed the promising potential** of HYMAG'IN magnetite for the remediation of metallic and organic persistent pollution. The key focus of HYMAG'IN is to **optimize the material properties** of its magnetite depending on the targeted pollution.

### Key words:

LC-GD-8.1; soil and water remediation; sustainable reagent; persistent and mobile chemicals; innovative technologies

### Status:

- Origin: 10 years of research at French scientific research center **CNRS and Grenoble University** (ISTerre laboratory)
- Company founded in 2019
- Based in Grenoble, France
- 5 employees
- Registration:

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