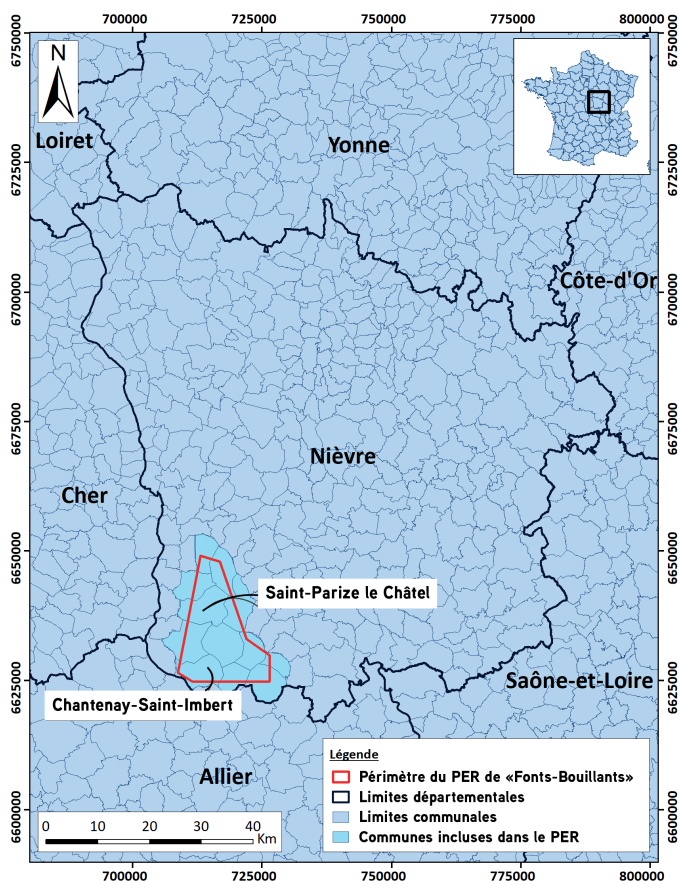


Press release | January 2020

## 45-8 ENERGY FILES AN EXCLUSIVE RESEARCH PERMIT (PER), THE FIRST ON HELIUM IN WESTERN EUROPE!

Bibliographical research and several very encouraging field measurement campaigns in an area of the Nièvre region has led 45-8 ENERGY to deepen its geological understanding of the sector and to file its first Exclusive Exploration Permit (PER) for an area of 251km<sup>2</sup> in the Nièvre region.

Obtaining this PER would allow our team to pursue its exploratory approach aimed at characterising the flows of helium and its associated resources (nitrogen and carbon dioxide) which naturally escape from the subsurface in the sector and to consider their valorisation. This is an unprecedented approach in Europe, which will eventually make it possible to reconcile a small-scale industrial project with respect for the environment for the production of a strategic resource that is essential to our daily lives.



Opposite is a map showing the area we would like to explore, which would cover 12 cities in the Nièvre department. A consultation with all the entities concerned is planned in order to explain to everyone the details of this exploration project.

## WHAT IS HELIUM?

Helium is a natural resource found in the subsurface and, to date, imported exclusively into Western Europe at great energy cost. Its unique characteristics (inert, light, non-toxic, high thermal conductivity, odourless, low viscosity, etc.) make it essential to many crucial industries such as the medical sector (MRI), the electronics sector (semiconductors, fibre optics, LCD screens, etc.) and the aeronautics and space sectors.

## ABOUT 45-8 ENERGY

45-8 ENERGY is a French company created in 2017, whose main activity is the exploration of helium as well as resources that can be associated with it, when the geological context is favourable, such as native Hydrogen.

The founding partners have the will to put their experience acquired during more than ten years in other subsurface exploration activities at the service of 45-8 ENERGY in order to devote themselves to this new and unique exploration in Europe representing crucial stakes for the future as Helium has become a strategic resource. Indeed, many industries such as semiconductors, fibre optics and medical scanners could not exist without this element, which is abundant in the universe but extremely rare on earth.

The exploration of helium and its potential associated resources being an innovative exploration with many specificities, 45-8 ENERGY is also conducting Research and Development (R&D) work to develop, with academic and industrial partners, efficient tools adapted to the detection of helium and hydrogen in the near surface.



**MORE INFORMATION**

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