Written on 19 February 2020 3 minutes of reading

News

Innovation and Industry

Climate, environment and circular economy | Renewable energies | Sustainable mobility

Responsible oil and gas

In addition to the renewal of the IFPEN Transports Energie Carnot Institute, IFP Energies nouvelles has just been awarded a new Carnot Institute label for its energy resources activities. Announced on 7 February 2020 by the French Ministry for Higher Education, Research and Innovation, the role of the IFPEN Ressources Energétiques Carnot Institute is to address various scientific, technological and digital challenges with a view to supporting the transition towards a low-carbon energy mix.

Aimed at reinforcing partnership research between public laboratories and companies, particularly SMEs and start-ups, the Carnot Institutes speed up the transition from research to innovation and facilitate technology transfer to the socio-economic world.

The goals of the IFPEN Ressources Energétiques Carnot Institute are:

- to accelerate the roll-out of new energy technologies exploiting the latest developments in the field of digital sciences, develop competitive renewable energies (offshore wind, energy storage, geothermal energy, hydrogen), minimize the climate impact (CO_2 storage and capture, climate-ground interactions) and produce those fossil fuels that are absolutely necessary during this transition period in an environmentally friendly manner;
- to proactively increase the number of partnerships with SMEs and start-ups;

- to enable the Carnot Institute network to benefit from its international development expertise.

IFPEN Ressources Energétiques brings together 14 laboratories of IFP Energies nouvelles, its sole supervisory authority. The implementation of its programs will be organized around numerous partnerships with economic players in France and around the world, as well as collaborative initiatives developed with European academia.

The IFPEN Transports Energie Carnot Institute, launched in 2006 and whose label has just been renewed for the third time, brings together 9 IFP Energies nouvelles laboratories. Its mission is to take up the challenges of sustainable mobility in the energy and environmental domains concerns. In partnership with industry, it innovates in the fields of powertrain electrification, new connected mobility services and software, and the improvement of engines and fuels.

"These two Carnot Institutes underline the excellence of IFPEN's capacity to mobilize the highest level of scientific and technological know-how to support innovation. The label is a recognition of our expertise, our capacity to foster the transfer of skills to industry and our determination to make an active contribution to the ecosystem. It also fits squarely with IFPEN's energy transition and sustainable mobility strategy in support of the French government's policy priorities in these areas", explains Catherine Rivière, IFPEN's Executive Vice-President.

About the Carnot Institutes

Today, the Carnot Institutes form a network of 39 French public research structures recognized and labeled for their capacity to conduct partnership research projects and support company innovation. Extending throughout France, the Carnot network reaches companies of all sizes in all sectors, from start-ups and SMEs through to large groups. Their mission: to prepare the industrial and economic future by supporting companies through the transformation process, providing them with access to R&D for their innovation projects.

Leading research players, the Carnot Institutes provide companies with the most powerful range of R&D services. Representing 18% of the French public research workforce, they carry out 50% of the R&D contracts financed by French public research companies. With 10,000 annual R&D contracts with companies and €744 million of direct contract revenue with partners, the network is now ranked 2nd in terms of the number of French patents filed (2018 figures).

The Carnot label was created in 2006 and is awarded by the French Ministry for Higher Education, Research and Innovation to develop public research partnerships with economic players while guaranteeing scientific excellence and professionalism within the framework of the Carnot charter.

See also: the Carnot network in 3 minutes: *https://bit.ly/2BAuoul*

Find out more*: http://www.instituts-carnot.eu/en*

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Two Carnot Institutes labeled at IFPEN
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