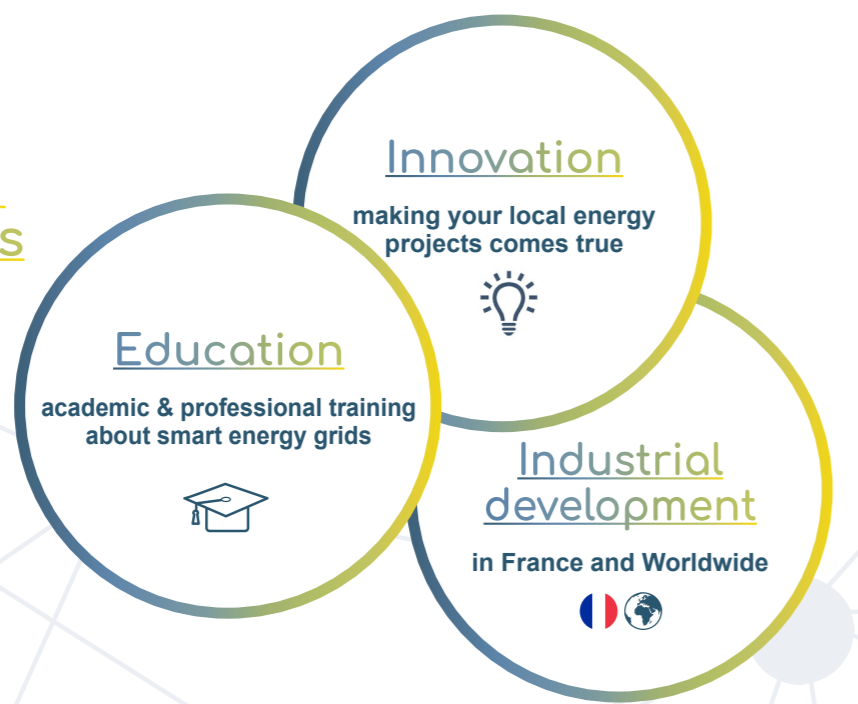


Smart Grids Institute : a recognized expertise for your energy projects

With the support of :



Are you looking for additional expertise and innovations in your energy projects ?
Do you have solutions to provide and do you want to develop them ?
Join the Smart Grids Institute

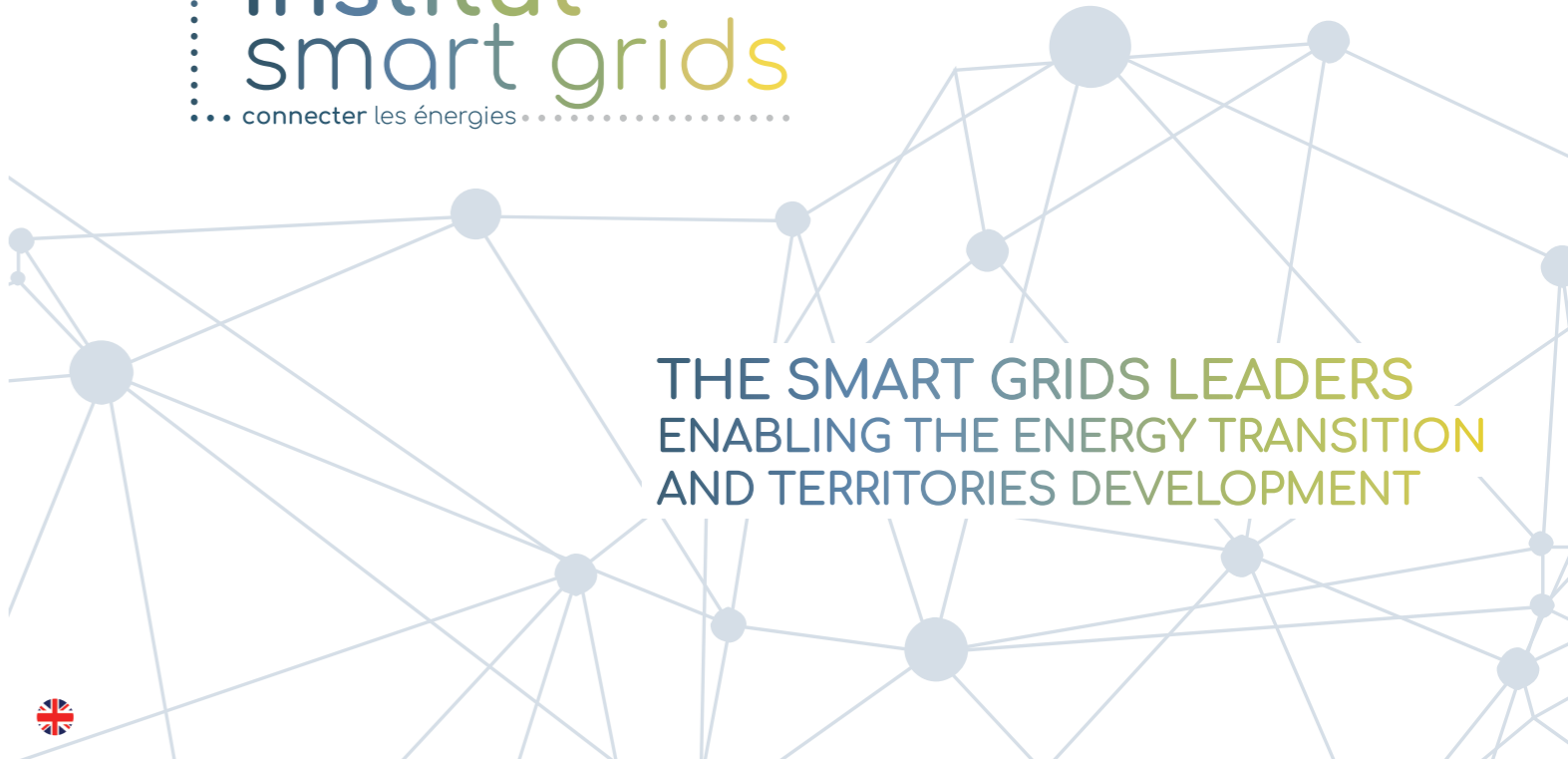


Smart Grids Institute works in collaboration with Think Smartgrids, by boosting local energy projects. Think Smartgrids is the national association which promotes the French Smart Grids Sector in France and Worldwide. Created in the **Auvergne-Rhône-Alpes region**, our vocation is to bring together public and private Smart Grids's leaders, and to take action in the following three fields : education and training, innovation and local energy projects, industrial development in France and worldwide.

Let's become a partner of the Smart Grids Institute



Publication de l'Institut Smart Grids - novembre 2018. Conception-réalisation : Rouge Badiane



**THE SMART GRIDS LEADERS
ENABLING THE ENERGY TRANSITION
AND TERRITORIES DEVELOPMENT**

Smart Grids serving the territories development

Smart Grids, which combine digital technologies and energy systems, are necessary to meet the expectations of energy issues and territories development. **Smart Grids solutions provide new services to citizens and local authorities** : renewable energies, self-consumption, low emission transportation, energy management and storage,...

Created in the Auvergne-Rhône-Alpes region, the Smart Grids Institute works alongside local authorities and joins its ecosystem to support local, national and international energy projects. It contributes to the first French energy region's notoriety : 1st for exporting a mix of energies. Land of innovation and leading R&D region in patents and demonstrators in the energy sector, Auvergne-Rhône-Alpes region combines successful and innovative leaders. **Our region has got powerful assets to lead the energy challenge.**

By founding the Smart Grids Institute, a non-profit association, we offer the possibility to join and boost your collaborative projects. Olivier JARAY, Managing Director, entertains projects and reunites partners. They are already supported by the Smart Grids Institute (trainings, seminars, local energy communities,...).

The established partnerships with academic, private companies, clusters in the fields of energy and digital technology,... are a lot of opportunities to succeed in our shared ambition : boost Smart Grids projects, based on education, innovation, and development.



Christian VIVES
President of Smart Grids Institute

Smart Grids combine innovation, digital and energy technologies

Digital and technological innovations

- Integration of **renewable energy sources** (photovoltaics, biomass, ...)
- **Internet of Things (IoT), communicating systems and smart solutions** (software and algorithms, energy infrastructures, Artificial Intelligence, ...)
- **Local energy systems** : generation and load balancing
- **Energy management** (generation and load forecasting, flexibility, curtailments,...)
- **Energy storage**
- **Big Data** processing and management

For new energy uses and services to citizens and local authorities

- **Low emission transport** (low carbon vehicles and charging points, smart charging, ...)
- **Distributed energy generation**
- **Collective and local self-consumption**
- **Energy planning** from districts to cities (data platforms, ...)
- **Digital customer services** (energy savings, smart buildings, ...)
- **Citizen engagement** (citizens' energy projects, local community workshops, ...)

Providing support for your territories energy projects

You are a local authority, a company, a project developer, a training organization, research and development organization, an international leader... In France or abroad, the **Smart Grids Institute takes part in your projects among 3 directions**:

ACADEMIC education and professional training on Smart Grids

- **Specialized training classes** (on site, Massive Online Open Courses...) from higher education to PhD
- **Thematic and training seminars**
- **A bridge between academic, industrial and economic worlds**

INNOVATION and local energy projects

- **Projects leading** (consultancy services, implementation...)
- **Projects advice and expertise** on Smart Grids solutions, adapted to your ambitions
- **Teamwork with experts** (partnerships, consortium, ...)

INDUSTRIAL DEVELOPMENT in France and overseas

- **Studies and evaluations** of your challenges and solutions
- **Advice to the development** of your projects and activities
- **Promotion in France and abroad**

Smart Grids Institute is :

- **A pool of experts** dedicated to your projects
- **A variety of technological platforms**, for training, research, testing and product development
- **A community** of leaders in the Smart Grids ecosystem
- **A customized information**, with a Smart Grids Institute advisor