



Press release
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Led by Institut Mines-Télécom and SATT Ouest Valorisation, the FRAMExG consortium is one of the winners of the call for “Maturation-Prematuration” projects.

Its goal: draw on 5G and future xG networks to boost French industrial competitiveness.

Unleashing the innovative potential of public research: the FRAMExG consortium seeks to draw on 5G and future xG networks to support French industrial competitiveness

French Minister of Higher Education and Research Sylvie Retailleau unveiled the list of winners of the France 2030 call for “Maturation-Prematuration” projects, which includes the FRAMExG consortium, led by Institut Mines-Télécom and SATT Ouest Valorisation.

This project is central to the national acceleration strategy for 5G and future telecommunications network technologies, which aims to produce significant public research efforts so that the national scientific community can contribute to major progress in order to respond to sovereignty challenges.

France was at the forefront of the development of 2G and 3G networks, but has played a less influential role in the design of later generations of networks, as evidenced by its diminished presence in standardization bodies.

The FRAMExG (French pROgram for IP Massification of Europe in XG) maturation-prematuration program strives to restore France to a leading role in future xG communication networks, by introducing a patent massification program, strong standardization activity and a strategy to transfer technology to the world of industry.

Supporting cutting-edge French R&D on future network technologies

In the industrial sector, 5G is a pillar of Industry 4.0 and the factory of the future. As such, the French government has decided to launch a national acceleration strategy for 5G and future telecommunications network technologies, drawing on the French public research community. The primary aim is to contribute to progress that clearly responds to these challenges, to enhance the competitiveness of French industry.

Institut Mines-Télécom is a major player in this field, based on its expertise in 5G-6G, future telecoms networks and technology transfer. Co-leader of PEPR 5G, a partner in the PIA4 Beyond 5G project, and founder and leader of the Télécom & Société Numérique Carnot Institute, it covers a wide range of fields: radio, communication networks, cloud, data spaces, uses and regulation.

Along with SATT Ouest Valorisation, 10 SATTs (Technology Transfer Acceleration Companies) and Institut Mines-Télécom are members of the FRAMExG consortium, bringing together nearly all of the French academic resources in this field. This access to French research and innovation ecosystems ensures complete coverage of the French territory, with all of the technologies needed for future communication networks. SATT Ouest Valorisation provides its expertise in intellectual property and in setting up R&D projects along with its proven methodology for evaluating and investing in maturation, knowledge of the market and action plans for DeepTech start-up creation.

FRAMExG: a virtuous continuum of fundamental and industrial research

Against this backdrop, the FRAMExG consortium, led by Institut Mines-Télécom on the pre-maturation side and by SATT Ouest Valorisation on the maturation side, combines the transfer activities of leading academic players: Agence Aliénor Transfert, Eurecom, Institut Mines-Télécom, Institut Polytechnique de Paris, SATT Aquitaine, SATT AxLR, SATT Erganeo, SATT Linksium, SATT Nord, SATT Ouest Valorisation, SATT Paris Saclay, SATT Sayens, SATT Sud Est, SATT Toulouse Tech Transfer, Grenoble Alpes University, Paris Saclay University.

At this stage, the FRAMExG consortium is also supported by several industrial companies including Nokia, Seamless, Waves, Kleos and Creonic gmbH (GER).

FRAMExG: Developing the virtuous “Patent Factory” program model to support European sovereignty

FRAMExG will contribute to the strategy of the “OSE 6G” interministerial task force, devoted to promoting French telecoms players’ intellectual property related to 6G technologies in standardization forums.



The consortium will work actively on pooling patents and contribute to standardization activities in international organizations (3GPP). It will ensure that French and European technical specifications are imposed.

“With FRAMExG, Institut Mines-Télécom, a major player in the digital and industrial transitions and in territorial development, is continuing its mission of supporting economic development. Institut Mines-Télécom and SATT Ouest Valorisation have joined forces to bring together academic communities, in this case in the field of 5G and its future generations, to develop and commercialize innovations and coordinate their responses to major government programs and initiatives to support French and European sovereignty,” said Françoise Prêteux, Deputy Director of Research and Economic Development.

“As experts in evaluating and investing in Public Research innovations, SATT Ouest Valorisation will roll out a consortium-wide action plan tailored to the specific nature of standardization issues.”

Building on “Patent Factory” concepts, we will target investments and research through the targeted ideation of patent filings, techniques for pooling patents with existing patent portfolios to strengthen clients’ positioning, establishing patent clusters contributing to future releases by standards committees (3GPP etc.). Industrial firms and future start-ups will benefit from these results via licensing of these high-potential assets.”

With the support of innovation stakeholders, the FRAMExG project will facilitate interaction between researchers and SMEs/major corporations through specific maturation-prematuration activities.” said Vincent Lamande, President of SATT Ouest Valorisation and member of the SATT Network’s Executive Committee.

About Institut Mines-Télécom - www.imt.fr

Institut Mines-Télécom is France’s leading public group of engineering and management graduate schools, under the supervision of the French Ministry for the Economy, Industry and Digital Affairs. The public higher education and research institution is made up of eight public graduate schools: IMT Atlantique, IMT Mines Albi, IMT Mines Alès, IMT Nord Europe, Institut Mines-Télécom Business School, Mines Saint-Étienne, Télécom Paris and Télécom SudParis and two subsidiary schools: EURECOM and InSic. It leads and develops a rich ecosystem of partner schools, economic, academic and institutional partners, and players in training, research and economic development. Created in the 19th century to meet France’s economic and industrial development needs, Institut Mines-Télécom graduate schools have accompanied every revolution in industry and communications. Through research and training of engineers, managers, and PhDs, Institut Mines-Télécom takes up the major industrial, digital, energy and ecological challenges in France, Europe and around the world. Nowadays, with its schools Institut Mines-Télécom is working to imagine and create a world that combines science, technology and economic development with respect for the planet and for the women and men who live on it. It is recognized by 2 Carnot Institute accreditations and trains over 13,300 students each year.



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About Ouest Valorisation

Ouest Valorisation – Office of Technology Transfer (OTT) was created in the “Future Investments” project call managed by Ministry of Higher Education and Research. Its aim: to propose to companies attractive innovation means from the public research. Ouest Valorisation’s team simplifies the access of the companies to research laboratories in order to develop good collaborative projects or to get access to high professional skills and high level scientific equipment. www.ouest-valorisation.fr @OuestValo

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