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ENSAE Paris, École Polytechnique and Télécom Paris sign an educational partnership with Arcep for improving public policies thanks to data



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FRANCE – As in many other fields, data have become a core enabler of transformation for public action and public policies. The analysis and mining of data collected and produced inside and outside the public administration can generate the ability to provide better services to users, better target institutions' actions, and to implement more finely tuned and agile public policy management.

With this in mind, and to increase the number of graduates endowed with those skills, ENSAE Paris, École Polytechnique and Telecom Paris, all three members of Institut Polytechnique de Paris (IP Paris), have joined forces to launch a Master of Science and Technology (MScT) '*Data and Economics for Public Policy*' at the start of the 2023 academic year.

To help strengthen this curriculum, France's Regulatory Authority for Electronic Communications, Postal Affairs and Press Distribution (Arcep), has joined this programme as of today, and will remain until the end of 2026 – operating as an educational partner, through the joint production of courses and in-class lectures.

École Polytechnique's MSc&T '*Data and economics for public policy*' offers a unique 2-year course, the only one of its kind in France, devoted to public policy design and assessment, and drawing on partner schools' expertise in economics, econometrics and data science, along with their solid experience in training engineers and senior civil servants.

Students take on projects rooted in concrete cases, and based on public data (Policy in action project), benefit from lectures from reputed public policy experts (12 lecture series in public policy) as well as internships with select partners.

It is in this context that Arcep has committed to become involved, through conferences and seminars on topics that fall under its purview, such as data-driven regulation, collecting and disseminating data on digital technology's environmental impact, and submitting case studies relating to the challenge of regulating electronic communications or digital technology, submitting test subjects, offering internships and supporting students.

The Authority is strongly committed to enabling students to develop highly sought-after skills, in both data science and economics, with the possibility of specialising in the issues of sector-specific regulation, as a way to foster the emergence of graduates with a rich understanding of public policy issues thanks to a multidisciplinary approach.

"This education partnership is a first for Arcep, and I am thrilled to contribute to this programme and to share practical regulatory cases with the students. And let me already wish them all the best in obtaining their Master's degree! I have no doubt that these future experts' views on regulation, and the combination of their knowledge of economics and data science will be invaluable for Arcep", explains Laure de La Raudière, Chairman of Arcep.

"At a time when regulatory authorities are becoming increasingly informed thanks to data, we are delighted about this partnership with Arcep, which represents both an opportunity for students and recognition for the quality of this programme and of our "Sectoral Policies" option," emphasise Pierre Boyer and Franck Malherbet, co-directors of the programme and respectively professor at École Polytechnique and professor at Ensae Paris.



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ABOUT ENSAE PARIS AND GENES / Founded 80 years ago, The Groupe des Écoles Nationales d'Économie et Statistique (GENES), has been a state-run institution of higher education and research, reputed for its excellence in areas such as statistics and data science, quantitative economics and social sciences, finance and insurance. GENES is composed of two schools: ENSAE Paris and ENSAI in Rennes, and a lifelong learning centre (ENSAE-ENSAI Formation Continue) which has over 500 specialised graduates every year, including senior civil servants (INSEE administrators and staff). GENES also has a consulting subsidiary (Datastorm) and is a member of the Centre for Secured Data Access (GIP CASD). The Group conducts research work, study assignments and disseminates multidisciplinary research, chiefly in mathematics, econometrics and statistics within the Centre for Research in Economics and Statistics (CREST), a joint research unit with CNRS and Polytechnique. Along with the Ecole d'économie de Paris (PSE), GENES is the scientific partner to the Institut des Politiques Publiques. www.ensae.fr

ABOUT ÉCOLE POLYTECHNIQUE / École Polytechnique, also known as L'X, is the leading French institution combining top-level research, academics, and innovation at the cutting-edge of science and technology. Its various undergraduate and graduate-level programs – Bachelor of Science, Ingénieur Polytechnicien (Master's level program), Master's, and PhD – are highly selective and promote a culture of excellence with a strong emphasis on science, anchored in humanist traditions. As a widely internationalized university, École polytechnique offers a variety of international programs and attracts a growing number of foreign students and researchers from around the globe (currently 41% of students and 40% of faculty members). École polytechnique offers an exceptional education to prepare bright men and women to excel in top-level key positions and lead complex and innovative projects which meet the challenges of 21st century society, all while maintaining a keen sense of their civil and social responsibilities. With its 23 laboratories, 22 of which are joint research units with the French National Center for Scientific Research (CNRS), École polytechnique Research Center explores the frontiers of interdisciplinary

knowledge to provide major contributions to science, technology, and society. École polytechnique is a founding member of Institut Polytechnique de Paris. www.polytechnique.edu

ABOUT TÉLÉCOM PARIS / Télécom Paris, the leading “Grande école” for digital technology engineering, is recognised for its excellence, its strong ties with the business community and its large international student body (44%). The first top engineering school to proclaim a Raison d'être, it guarantees excellent employability in every sector of activity, thanks to lifelong training tailored to the core issues of today's transitions. With excellence in teaching and innovative educational methods, Télécom Paris is at the heart of a unique innovation ecosystem which is based, in particular, on an Institute of Interdisciplinary innovation (I3) and two business incubators in Paris, including one at Station F. Its LTCI laboratory is presented by HCERES as a central unit in digital sciences, with both a remarkable international influence, and an exceptional volume of socio-economic activities. A founding member of Institut Polytechnique de Paris, Télécom Paris is also a member of the Institut Mines-Télécom (IMT). telecom-paris.fr

ABOUT ARCEP / The Regulatory authority for electronic communications, postal affairs and press distribution, Arcep is neutral and expert arbitrator with the status of independent administrative authority (IAA), is the architect and guardian of internet, fixed and mobile communications, postal networks and press distribution in France. arcep.fr