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European Engineering Learning Innovation & Science Alliance

March 2022





Sustainable and Green Finance Program Ecole des Ponts ParisTech





Innovative way of teaching

Financing the transition





A world-class institution

A public engineering school, founded in 1747, recognized for the excellence of its graduate studies





Embedded in the industry ecosystem

2000 students

33% female,45% internationalstudents,45 nationalities



2022 International QS Rankings#245 worldwide#1 France for international students



2022 THE (Times Higher Education) #251-300 worldwide #6 France / #1 univ < 5000 students

Leading to executive careers addressing the ecological and digital transitions





Close links with industries

École des Ponts ParisTech







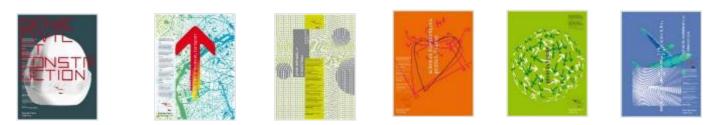
Innovative way of teaching

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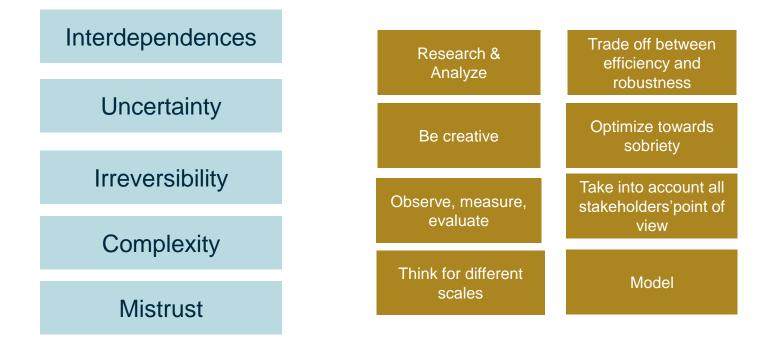




Addressing the ecological transition



6 academic departments (master level) training high-level engineers with an excellent S&T background able to take responsible and ethical decisions in a complex world





Comprehensive pedagogy

High level scientific and technical education

Project based learning

Development of managerial and soft skills

Development of multilingual and multicultural skills

To support the ecological transition





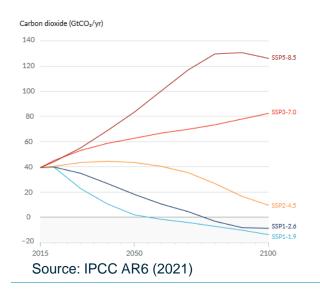
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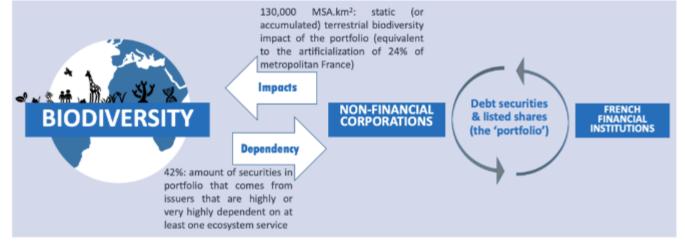


Financing the transition









Source: Banque de France (2021)



Financing the transition

This is a scientific issue At the top of the political agenda



Marc Carney "Climate change is the Tragedy of the Horizon" 2015



Christine Lagarde "The ECB will act within its mandate to contribute to mitigating and averting climate change" 2021



Ursula von der Leyen A green deal of 1tn for the decade. 2020

That will change how firms operate and are being financed.



The issues to be adressed

Defining a "green" project : what to measure, how to measure ?



Beyond climate, biodiversity and dealing with environment as a whole. Beyond the environment, ESG issues



Defining and modelling scenarios



New financial risks that could become systemic : characterizing, measuring and modelling them



Designing and implementing new financial regulations





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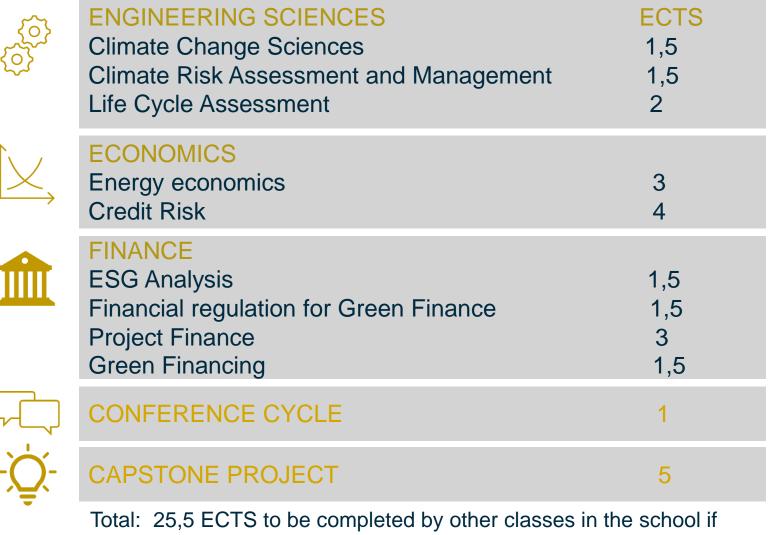
Sustainable and Green Finance

Contribute to the ecological transitions within companies, financial institutions and international organizations

- Understand the challenges of energy and ecological transitions, from the point of view of physical phenomena addressed by engineering sciences (climate, biodiversity, etc.) but also from an economic and financial point of view (carbon market, etc.).
 - Analyze the different technical, economic and financial dimensions associated with the implementation of sustainable projects (and in particular the measurement of positive spin-offs associated with them).
 - Measure and evaluate the risks associated with projects, at the project level and also at the macro-economic level.
- Master the standard financial framework as well as the tools (green bonds, impact investing, ESG reporting, etc...) and the specific dimensions relating to sustainable and green finance.



Sustainable and Green Finance



required



The capstone project

Société Générale



Banque de France

Measuring the imported deforestation in Europe and its impact on the financial system

BNP Parisbas



Accuracy

Understanding what is behind ESG ratings and applications for firm management



Facts & Figures

FACULTY PROFILE



1/3 Researchers1/3 Private sector1/3 Public sector

Paris as the leading financial center for green finance

1 semester :

Early September -End of January

CAREERS OPPORTUNITIES



- Industry: Veolia, Gérard Bertrand (wine), EDF renewable energy, Suez
- Consulting: Carbone 4
- Banking sector: BNPP, Société Générale
- Financial Advisory and investment funds : Accuracy, Omnes capital, Green yellow
- International organizations : UN





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Financing the transition





Welcoming you

Accommodation

In a students' residence near the campus Studios booked by the School

Welcome Desk that gives precise and up-to-date information on: Visa procedure (if any) Health insurance Other insurances : housing, civil liability ... Housing allowance Bank account Local transportation

Orientation Week

More information on the School, visit of the campus Possibility to be included in a Tandem Programme Social activities offered by the Students' Union



Pierre BERTRAND Academic Director Emmanuel SIMANTOV Mobility Coordinator

SEE YOU SOON!



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