

Curriculum Vitae

Sébastien TRAVADEL

**Chief Engineer for the Ministry in charge of Infrastructures, Full
Professor at MINES Paris / PSL University**

Birth Date : Nationality :

French

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Professional Activity

2021-

Full Professor at MINES Paris, in charge of the following courses :

- 1st year course (L3) on data science applied to risk management,
- 2nd year (M1) advanced course on data science (research module),
- 2nd year course (M1) on data science applied to underwater engineering (engineering module),
- 3rd year course (M2) on crises management (to all students).

2015-2021

Associate Professor at MINES Paris.

2010-2014

Co-founder and head of R&D of a firm dedicated to airlines operations optimization, based on big data analysis of in-flight recorded data.

2010-2012

Head of the Airspace and Air Navigation Regulation department for the French Ministry in charge of Transportation. President of the Airspace Committee of the Functional Airspace Block Europe Central (FABEC).

- 2008-2010** Deputy Head of the Investigation Department, in charge of Major Investigations, at the French office for Investigations into Aircraft Accidents and Incidents.
- 2005-2008** Head of the Statistics and Safety Analysis at the French office for Investigations into Aircraft Accidents and Incidents.
- 2003-2005** Special Adviser of the Director, in charge of International Affairs, at French office for Investigations into Aircraft Accidents and Incidents (BEA). Negotiation of a multilateral agreements between investigation bodies.

Academic and Professional Degrees

- 2019** **Professorial Thesis** (Côte d'Azur University, Doctoral School « Fundamental and Applied Sciences »). Title : Methods and Models of Engineering in the face of danger.
- 2012** **Ph.D in Law** (Paris Descartes University),with Great Honors. Title : « Technical Standards and Legal Standards – The Case of the European Civil Aviation. » Under the supervision of Pr. Jacques Buisson.
- 2003** **Civil Aviation Engineering Degree (ENAC) and Certificate in Air and Space Law** (McGill, Montréal), delivered within the curriculum of the « corps des ponts, des eaux et des forêts » as civil servant student for the French Ministry in charge of Infrastructures.
- 2000** **M2 in Applied Mathematics** (Claude Bernard University of Lyon) and « **Agrégation** » of **Mathematics**, delivered within the curriculum of the Ecole Normale Supérieure (Cachan).
- 2007** Type Rating on Dassault Falcon 7X. Multi-Engine Instrument Rating. Multi-Crew Coordination Certification (MCC).
- 2005** Commercial Pilot License (CPL) for Aircraft. Airline Transport Pilot License (ATPL-A) theoretical certificate.