CHALLENGE

FINTECH FOR TOMORROW

EDITION
2021

EN

**Providing digital
solutions to
put finance at
the service of
the sustainable
transitione**

Since 2018, the Challenge has been mobilising the energies of the French players of innovation in finance to support the sustainable transition of the economy. With the French Agency for Ecological Transition (ADEME) and the EIT Climate-KIC, Finance for Tomorrow rewards French and international start-ups that facilitate the financing of the ecological transition and reduce the environmental impact of the financial sector.

At the heart of innovation processes, fintechs entrepreneurs are important actors capable of supporting the transition of the financial sector to achieve the UN Sustainable Development Goals and the Paris Agreement. They seek, for example, to ensure the quality of non-financial data and the transparency of financial flows, or to mobilise new sources of financing. They are developing digital solutions, notably products enabling financial inclusions, that position them as key partners for the financial and economic players operating in the sectors of the ecological transition.

Moreover, this year, the Challenge approached the financial sector not only as a field of expertise, but also as a field of prospection, by opening applications broadly to digital solutions with the capacity to support the emergence of new technological uses and processes for the evolution of professional practices.

We would like to thank the promising FinTechs project holders, in France and internationally, as well as the actors of the French innovation ecosystem in Finance, who are working alongside us to accelerate the financing of the ecological transition.

Discover the French and International projects selected by the Committee for this fourth edition of the Challenge!

Thanh-Tam Le
Director of Impact & Performance,
EIT Climate-KIC

Valérie Quiniou-Ramus
Executive Director for Prospective & Research,
ADEME

Pauline Becquey
Executive Director,
Finance for Tomorrow

Organisateur

Finance for Tomorrow is the branch of Paris EUROPLACE launched in June 2017, to make green and sustainable finance a key driving force in the development of the Paris Financial Centre and to position it as a hub of reference on these issues. The 85 members of Finance for Tomorrow are signatories of a common charter to contribute to the transformation of practices in the Paris Financial Center and to a global shift of financial flows towards a low carbon and inclusive economy, in line with the Paris Agreement and the UN Sustainable Development Goals.

– Offering players in the Paris financial market a platform for ongoing work and dialogue capable of nurturing and accelerating the dynamics of the market, both with private players and also with the public authorities, through the production of content and expertise.

– Developing and promoting the community of committed players in the Paris financial Centre by organizing events in France and abroad, including its flagship event, the Climate Finance Day.

– Acting as an Ambassador: F4T contributes to the dissemination of French expertise and the development of these issues internationally, in particular through its participation in the FC4S - Financial Centers for Sustainability network, placed under the aegis of the UN.

– Measuring the transformation of the financial sector towards carbon neutrality with the Sustainable Finance Observatory, which provides transparent market data and individual commitments made by French financial players

www.financefortomorrow.com @finfortomorrow

Institutional Support

Institutional partners of the Challenge

Here at ADEME - The French Agency for Ecological Transition - we are firmly committed to fighting global warming and the depletion of our natural resources. On all fronts, we mobilise citizens, economic actors and territories towards a fairer, more harmonious, low carbon and resource-efficient society. Whatever the field - energy, circular economy, food, mobility, air quality, adaptation to climate change, soils, etc. - we advise, facilitate and help finance many projects, from research to solutions sharing. At every level, our expertise and forecasting capacities serve to guide and inform public policies.

ADEME is a public agency under the joint authority of the Ministry for an Ecological Transition and the Ministry for Higher Education, Research and Innovation.

www.ademe.fr @ademe

EIT Climate-KIC is Europe's leading innovation community to address climate change, for the construction of a decarbonised economy and climate resilient communities. With more than 400 public and private partners in 40 countries and thousands of start-ups and alumni in its programs, it structures and implements integrated innovation portfolios addressing major challenges of systemic transformation of territories or value chains, on topics including urban transitions to integrated landscapes, circular economy, adaptation services or financial models for resilience.

EIT Climate-KIC is part of the community of eight Knowledge and Innovation Communities selected and supported by the European Institute of Innovation and Technology (EIT), a body of the European Union.

www.climate-kic.org @ClimateKIC

French Partners

Acknowledgements

The members of the French Selection Committee met on Friday October 8, 2021 to audition the finalist projects.

Composition of the French Selection Committee

The expert members of the French Selection Committee prepared the structuring of the Challenge and participated in the selection of finalists, before auditioning the project holders to choose the winners.

Julien Raimbault
Head of operations & technologies, Ostrum AM & President of the Challenge

Pauline Becquey
Managing Director, Finance for Tomorrow

Lucile Aniksztejn
Manager Europe & Sustainable and Solidarit Finance, Pole Finance Iinnovation

Thomas Cottinet
Head of Ecolab, Ministry of the Ecological Transition

Louis de Saint-Marc
Project Manager, France Fintech

Mathieu Garnero
Director Project Life, Finance ClimAct

Thanh-Tam Le
Director Impact and performance, EIT Climate-KIC

Esther Levi
Head of Incubation - Le Swave, Paris&Co

Marion Nibourel
Managing Director, La Place Fintech

Patrick Pansier
Head of the Directorate Data, Digital & Innovation, La Banque Postale AM

Thomas Perraud
Director of Acceleration Programs, Liberté Living-Lab

Eric Rey
Managing Director, Meridiam

Margaux Sauvaget
Deputy Head of Unit for Sustainable Finance, DG Trésor

Philippe Taffin
Chief Investment Officer, Aviva France

Kevin Tayebaly
Co-founder and chief development officer, Change-NOW

Thanks to the members of the French Selection Committee for their mobilization!

International Partners

Acknowledgements

Composition of the International Selection Committee

International partners supported the Challenge and recommended start-ups from their respective ecosystems to the actors of the Paris financial center. The Monetary Authority of Singapore (MAS) also offered to the French winners places in the final of the "Singapore Fintech Festival" 2021.

Stephen Nolan
Managing Director, FC4S

Florencia Baldi
Head of Knowledge Hub, FC4S

Ignacio Benito
Quantitative Analyst, FC4S

Florian Roulle
Directeur Principal, Responsible finance durable, Finance Montréal

Tamara Argentin
Conseillère Communication, Finance Montréal

Anders Norlins
Chief Executive Officer, Findec

Marianne Haahr
Executive Director, GDFA

Claire Urgends
Green Project Officer, GDFA

Sheng Le Yong
Deputy Director, Fintech & Innovation Group of the Monethary Authority Singapore

Ashley Chung
Assistant Director, Fintech & Innovation Group of the Monethary Authority Singapore

Omri Boral
CO-Founder and CEO, TechforGood

Thanks to our international partners for their mobilization!

French
Finalists

Neuroprofiler
QUANTIFY BEHAVIORS

FRENCH LAUREATE

Neuroprofiler is an investment game based on behavioral finance and gamification, which evaluates the risk profile of individual investors and ESG preferences. The solution aims to encourage individuals to mobilize their capital to invest in ESG products and thus finance the energy and ecological transition.

Digital solution at the service of the sustainable transition

The solution offers investors adapted financial products, according to their risk profile and their ESG profile. The investment game is based on behavioral finance (ref. 2 Nobel Prize), which provides more complete and precise profiles of investors. It renders 80% of predictability vs. 10% for traditional questionnaires.

QARNOT

Qarnot Computing is developing Q.ware, a "Platform as a Service" dedicated to intensive computing which gives access to an ecological infrastructure dedicated to all types of high performance calculations (Monte Carlo simulation, AI / ML, Big Data, etc.). Qarnot is changing the data center paradigm by deploying its servers across the country and installing them in buildings (housing, offices, schools, logistics warehouses, etc.), where the heat released by the calculations can be valued directly.

SECTOR OF ACTIVITY
‣ Insurance
‣ Banking
‣ Asset management

MOBILIZED TECHNOLOGY
‣ Data management / Big Data
‣ Software as a Service (SaaS)

PROPOSED SOLUTION
‣ Encourage the adoption of green technologies
‣ Limit negative externalities in the financial sector

Digital solution at the service of the sustainable transition

Qarnot offers a reliable, efficient, and secure batch computing solution while reducing the calculation footprint by 75% on average. It provides a very precise visibility of carbon accounting and the savings generated by this choice of infrastructure. Qarnot's expertise is particularly developed in the field of finance.

SUPPORT WON

Place in the final

8 12 NOV 2021 | SINGAPORE FINTECH FESTIVAL

PASSERELLE

Passerelle makes ESG data accessible and exploitable, allowing financial actors to make decisions that will promote the ecological and social transition. Passerelle is the platform that helps companies make the most of their ESG information, assisting their stakeholders to make full use of it.

Digital solution at the service of the sustainable transition

Mobilized technologies:
– Extraction and categorization of ESG information: optical character recognition (OCR) and neural networks (Deep Learning, Transfer Learning)
– ESG data analysis: big data software (BigQuery)
– Data access: API type connectors
– Cloud query smoothing systems to minimize the energy impact of data analysis.

SECTOR OF ACTIVITY
‣ Insurance
‣ Banking
‣ Asset management

MOBILIZED TECHNOLOGY
‣ Data management / Big Data
‣ Artificial Intelligence / Machine Learning
‣ Software as a Service (SaaS)

PROPOSED SOLUTION
‣ Align supply and demand for financing
‣ Improve the collection and analysis of extra-financial data
‣ Develop decarbonization scenarios

fruggr

Fruggr is an innovative cloud solution to improve the performance of digital platforms. It allows to measure a client company's digital footprint, define impact improvement objectives, monitor and improve the ecological and social footprint, and communicate about it.

Digital solution at the service of the sustainable transition

Fruggr automatically analyzes and measures (automated LCA) the footprint of digital services; the cloud solution offers an innovative digital footprint improvement engine (AI), and recognized performance indicators (KPIs) for concrete improvements of negative externalities.

SECTOR OF ACTIVITY
‣ Insurance
‣ Banking
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MOBILIZED TECHNOLOGY
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PROPOSED SOLUTION
‣ Encourage the adoption of green technologies
‣ Limit negative externalities in the financial sector

carbometrix

Carbometrix's mission is to make any company's carbon performance data universally accessible and comparable. The platform allows businesses to instantly assess their carbon footprint, making it easy for anyone to search and compare businesses.

Digital solution at the service of the sustainable transition

Carbometrix brings transparency with an open-source model, measurement and comparability in a field where the data is disparate, difficult to understand and not very actionable. The solution pragmatically relies on the latest advances in learning algorithms (machine learning and artificial intelligence) and data science processing tools. The ambition is to cover millions of companies including SMEs and mid-caps.

SECTOR OF ACTIVITY
▸ Banking
▸ Financial Services

MOBILIZED TECHNOLOGY
▸ Data management / Big Data
▸ Artificial Intelligence / Machine Learning

PROPOSED SOLUTION
▸ Align supply and demand for financing
▸ Improve the collection and analysis of extra-financial data

QUANTCUBE TECHNOLOGY

For its ESG solution, QuantCube capitalizes on the use of alternative data and its experience in Artificial Intelligence to provide a SaaS platform of ready-to-use, transparent, reliable and granular environmental indicators that allows investors to take into account environmental risk in their investment processes.

Digital solution at the service of the sustainable transition

QuantCube leverages its «datalake» of alternative data and Artificial Intelligence capabilities to capture verifiable, transparent, and reliable environmental data. The increase in recent years in the number of accessible alternative data and the development of methods based on Machine Learning and Artificial Intelligence capable of processing them constitute a breakthrough in the way of monitoring and forecasting the evolution of environmental risks.

SECTOR OF ACTIVITY
‣ Insurance
‣ Banking
‣ Asset management

MOBILIZED TECHNOLOGY
‣ Data management / Big Data
‣ Artificial Intelligence / Machine Learning
‣ Software as a Service (SaaS)

PROPOSED SOLUTION
‣ Improve the collection and analysis of extra-financial data
‣ Mobilizing geospatial technologies

Challenge Fintech for Tomorrow

Goodvest

Goodvest is a mission-oriented fintech that offers the first responsible and transparent savings, aligned with the Paris Agreement. Goodvest's approach is scientific and transparent:
– Scientific: in the construction of all portfolios, the carbon footprint of companies on the 3 scopes is taken into consideration, in order to align them with the Paris Agreement.
– Transparent: indicating the list of companies and sectors financed as well as data concerning their impact such as the carbon footprint of the funds.

SECTOR OF ACTIVITY
‣ Asset management

MOBILIZED TECHNOLOGY
‣ Internet / Online platform / Crowdfunding
‣ Robo advisor
‣ Software as a Service (SaaS)

PROPOSED SOLUTION
‣ Identify ESG preferences of investors
‣ Propose new responsible financial products

Digital solution at the service of the sustainable transition

An algorithm makes it possible to assess the risk profile of clients considering their situation and the themes in which they want to invest, thus offering them a tailor-made portfolio corresponding to their values and aligned with the Paris Agreement. All registrations are made online to make access to savings as easy as possible and the carbon footprint of customers' envelopes are accessible online.

thread

Threadlabs a digital platform, enabling equity investors to track both financial and ESG performance of their investment universe, making them SFDR compliant at minimum costs. Investment teams will ESG-proof their portfolio composition and investment due diligence, while saving 50% of the time writing reports. They will be confident in front of regulators and clients, knowing that their investment is responsible and compliant.

Digital solution at the service of the sustainable transition

AI and NLP are used to give a sentiment vector to all the publicly available information (Annual reports, Corporate announcements, transcripts, Sustainability reports). This 300-dimension vector allows to categorize information based on related topics, such as Sales growth, or Carbon emissions, therefore speed up the digitization of documents, and reach ESG insights faster.

SECTOR OF ACTIVITY
▸ Insurance
▸ Banking
▸ Asset management

MOBILIZED TECHNOLOGY
▸ Data management / Big Data
▸ Artificial Intelligence / Machine Learning
▸ Software as a Service (SaaS)

PROPOSED SOLUTION
▸ Improve the collection and analysis of extra-financial data
▸ Measure climate risks and impact strategies
▸ Limit negative externalities in the financial sector

naMR

As a data pure player, namR is a producer of geolocated contextual data whose mission is to describe the world through data. Based on the strength of its 4 years of research and development, namR creates, transforms, and values billions of source data (or raw) daily to produce original and unpublished attributes that allow public and private actors to value their patrimony, effectively manage their transformations and render decision-making more fluid.

SECTOR OF ACTIVITY
‣ Insurance
‣ Asset management

MOBILIZED TECHNOLOGY
‣ Data management
/ Big Data
‣ Artificial Intelligence
/ Machine Learning

PROPOSED SOLUTION
‣ Improve the collection and analysis of extra-financial data
‣ Mobilize geospatial technologies

Digital solution at the service of the sustainable transition

namR has created an innovative technology which qualitatively and quantitatively characterizes the buildings and the territory throughout France. The project allows to identify opportunities for renovation work at the scale of the postal address and the building, with potential for adaptation to climate change. The data constitute a single, uniform, and complete base on the key entities (building, plots, zones) of the management and design of financing projects.

WEEFIN

WeeFin is a fintech specializing in Sustainable Finance that supports financial actors in creating personalized ESG strategies and automating non-financial data management processes. The Saas ESG Connect platform is the one-stop-shop for sustainable finance. The No-Code functionalities democratize ESG practices to all financial actors, who can create their ESG strategy in their image, 100% personalized, by controlling their data. It reconnects investors with their data, their values, and facilitates collaboration between actors.

Digital solution at the service of the sustainable transition

The Saas ESG Connect platform allows financial institutions to leverage the best of data technologies: 100% Cloud platform, ability to integrate a large volume of ESG data and process unstructured heterogeneous data (via Natural Language Processing); managed services and micro-service architecture for maximum flexibility; data security and automation.

SECTOR OF ACTIVITY
- Insurance
- Banking
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PROPOSED SOLUTION
- Improve the collection and analysis of extra-financial data
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International Selection

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PROJECT RECOMMENDED BY FINANCE MONTRÉAL

CARBOSCOPE

Oxia Initiative, Canadian fintech that created the innovative carbon quantification tool: CARBOSCOPE, helps you understand, measure, and trace the impact of greenhouse gases Greenhouse (GES) and share it with all the players in your ecosystem, in accordance with industry standards.

CARBOSCOPE allows investment funds (private equity) to monitor the carbon vulnerability of their portfolio of current or pre-investment companies, in a simple, fast and inexpensive way. Adapting to any country, CARBOSCOPE gives rise to transparency and management of carbon and climate risk of each of the companies invested in the portfolio.

CARBOSCOPE, the first online carbon impact accounting software, robotizes the GHG quantification process thanks to its algorithm and artificial intelligence, thus aiming to democratize environmental assessment.

Omocom

Omocom provides much more than just digital insurance. Our data driven products reduce risk, increase sales and offer users a world-class customer experience. We work with digital platforms aimed at increasing the use of existing resources, for a more sustainable future. Founded in Stockolm Sweden, Omocom launched its first insurance product by the end of 2019 and since then has seamlessly integrated our different insurance products into +40 circular platforms in Sweden, Norway, Finland, Denmark, Germany, Portugal, and Spain? Omocom has secured pertnerships with 4 different risk carriers which enables MGA capacity in 18 markets in the EU, and are selling insurances every minutes trough their API.

Datia

Datia works with fund managers and portfolio companies to automate sustainability reporting and data collection. The exponential increase of demand from both customers and regulators is creating a need for a whole new suite of tools for investors. Datia started in 2019 with the mission of accelerating the world's transition to sustainable finance, and while headquartered in Stockholm, is already an international team running in 3 different time zones.

"We help investors to both comply with regulations and increase their positive impact, including the EU Taxonomy, SDGs, ESG and SFDR, '' says Juan Manuel Serruya, Co-founder and CEO. "Our system provides an additional layer of interaction to the typical data that's available to managers, actively engaging fund managers and portfolio companies through easy to use reporting interfaces, this allows them to access the specific data they need straight from the source, enabling more sustainable investment decisions and accurately reporting to customers and regulators."

GreenArc Capital

GreenArc Capital is an impact fintech that helps to close the UN Sustainable Development Goals financing gap, connecting investors with curated impact investment opportunities focused on financial inclusion and climate action. Using AI¬based risk analytics and institutional level due diligence, their products offer competitive risk adjusted returns. In addition, their standalone impact measurement API, which is aligned with the UN SDGs, measures and reports societal and environmental impact. GreenArc's impact framework is based on GIIN's IRIS+ metrics and was developed under the guidance of the Impact Management Project.

Sustainability Insights

Sustainability Insights is a multi¬asset machine learning product that allows banks, asset managers and Principles for Responsible Investment (PRI) signatories to integrate material environmental, social and governance (ESG) considerations into the investment decision making process holistically. Residing in Amazon Web Services (AWS) cloud, it adopts UN Sustainable Development Goals framework into the analysis of investment products; provides scoring, controls carbon risk, captures mandate deviation using NLP and as well as helps institutions transition their investment portfolios into the low carbon economy. With ESG Analytics driven by explainable artificial intelligence (AI) architecture, it further enables institutions to choose ESG data points based on their consideration and infuse their own conviction as an overlay into the research process with complete transparency.

Pensumo

Pensumo is a Spanish start-up, that offers a 4th pillar of pension scheme through savings from sustainable behaviours. The fintech makes partnerships with small sustainable shops (online as well) in Spain that agree to participate in the "Pensumo pension scheme". From there, every customer adhering to a Pensumo pension scheme can place a percentage of their expenses in their pension.

Inyova

Inyova is a Swiss investing platform that guides individuals and businesses to make sustainable and responsible investments. The platform is a mobile application that can be used by anyone, beginners as well as professional asset managers. How does it work? As a first step, the investor selects the impact topics that match their values, to which the platform then suggests a range of companies that fit. As a next step, the investor can personalize its investment strategy, and eventually open their personal account at home.

Suisse Swiss Social Exchange (SWISOX)

Switzerland Swiss Social Exchange (SWISOX) was established with the ambition to respond to the inefficiency of the impact investing market and the need for a liquid marketplace. SWISOX will serve as a link between social enterprises tackling social or environmental challenges by applying sustainable business operations with impact investors that have the intention to generate measurable positive social & environmental impact alongside financial return.

Key success factors:

1. Created as sub-segment within an existing regulated stock exchange, leveraging the infrastructure.
2. A quantitative and standardized social impact scoring system to determine eligibility.
3. AI-powered feeder structure to identify the most promising issuers.

Genesis

Led by the BIS Innovation Hub & Hong Kong Monethary Authority, the project Genesis aim is to build a prototype digital infrastructure that can enable green investments and help issuers and governments to meet environmental and sustainability goals. Genesis will explore the tokenisation of green bonds enabling investment in small denominations, combined with real-time tracking of environmental outputs. Combining blockchain, smart contracts, internet-of-things, and digital assets, the prototypes will allow policy makers and stakeholders to explore innovative approaches to green bond distribution and transparency.

Contacts

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