

CHALLENGE



FINTECH FOR TOMORROW

EDITION
2019

EN

↑ 3.23%

↓ 1.02%

↓ 1.25%

↑ 11.67%

↑ 2.78%

↑ 10.34%



**“Fintechs: key
stakeholders of
the ecological
transition”**

Build an inclusive low-carbon economy, limit global warming and stop biodiversity loss, are some of the objectives of the Sustainable Development Goals (SDGs) and the Paris Agreement on Climate. On a global scale, the achievement of these objectives will require a massive shift of financial flows. Faced with the magnitude of the challenges, it is indeed essential to mobilize our capacity to innovate, to imagine new solutions, and to scale up. In this perspective, how can technological innovation be used to finance the ecological and energy transition?

This is the goal of the Challenge Fintech for Tomorrow: to mobilize start-ups and companies with innovative digital solutions in order to facilitate the financing of the transition and reduce the environmental impact of the financial sector.

Finance for Tomorrow aims to reward solutions able to transform financial sector practices and reorient capital flows. With the support of ADEME, the state's key operator for the ecological and energy transition, and EIT Climate-KIC, a major actor for climate innovation in Europe, the Challenge highlights promising French and international fintech projects and connect them with the actors of the French innovation ecosystem to support their development.

[Discover the French and international projects selected by the Committee for this second edition of the Challenge!](#)



Thanh-Tam Le,
Managing Director,
Climate-KIC SAS



Arnaud Leroy,
Chair and CEO
of ADEME



Anne-Claire Roux,
Managing Director of
Finance for Tomorrow

Organiser



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 80 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.

In addition to its role as an international ambassador, Finance for Tomorrow provides members of the Paris Financial Centre a platform for ongoing work and dialogue to promote greater momentum. Furthermore, Finance for Tomorrow contributes to progress on these issues at the international level as the co-chair of the network of Financial Center for Sustainability-FC4S in 2018-2020, alongside Shanghai.

www.financefortomorrow.com [@finfortomorrow](https://twitter.com/finfortomorrow)

Partners



The French Environment and Energy Management Agency (ADEME) is active in the implementation of public policy in the areas of the environment, energy and sustainable development. The Agency provides expertise and advisory services to businesses, local authorities and communities, government bodies and the public at large, to enable them to establish and consolidate their environmental action. As part of this

work ADEME helps finance projects, from research to implementation, in the areas of waste management, soil conservation, energy efficiency and renewable energy, raw materials savings, air quality, noise abatement, circular energy transition and food wastage abatement.

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

www.ademe.fr @ademe



EIT Climate-KIC is Europe's largest public-private partnership addressing climate change through innovation to build a net zero carbon economy. With over 400 formal partners from across 34 countries and thousands of start-ups and alumni, its mission is to catalyse systemic change for climate action through innovation in areas of human activity that have a critical impact on greenhouse gas emissions – cities, lands, materials and finance – and to create climate-resilient communities. Education underpins these themes to accelerate learning and to inspire and empower the next generation of climate leaders.

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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

Acknowledgments



Thanks to our ecosystem partners for their support!



The Selection Committee for the French category gathered to audition the candidates, at Cap Digital office in Paris on October 25th, 2019.

The members of the French and International Selection Committees helped in structuring the Challenge, selected the projects and auditioned the candidates.

The laureates were then chosen by the organizers of the Challenge, thanks to the valuable recommendations of the experts.

Composition of the Selection Committees of the Challenge 2019

François Badin

Start-up Program Manager, Cap Digital

Pierre-Alix Binet

Head of programs and strategic development, Finance for Tomorrow

Natacha Boric

Project Manager – Contents & Working Groups, Finance for Tomorrow

Guilain Cals

Economist, ADEME

Thomas Cottinet

co-director, Liberté Living-Lab

Pierre Ducret

Chair, Finance for Tomorrow

Fabrice Dumonteil

Managing Director, Eiffel IG

Christine Gardies

Project Manager, Finance Innovation

Patrick Jolivet

Executive direction, Prospective and Research, ADEME

Vincent Lapadus-Garges

Head of asset management and R&D, Finance Innovation

Thanh-tam Le

Managing Director, Climate-KIC SAS

Esther Moyou-Mogo

Startup Development Project Manager, Paris & Co

Edouard Plus

Director, Le Swave

Farida Poulain

Head of Incubation, Le Swave

Julien Raimbault

CDO & COO, La Banque Postale AM

Philippe Taffin

Chief Investment Officer, Aviva

Mathilde Vermeire

Project Manager & Market Analyst, Liberté Living-Lab

Thanks to the members of the French and International Selection Committees for their mobilization!

Laureate Projects

GREENVALUE.AI

Responsible Intelligence for Transitions



GreenValue.AI responds to the increasing cost and complexity of ESG data acquisition, by pooling the production of A.I. solutions for the collection, processing and analysis of extra-financial and alternative data, for the benefit of the stakeholders of the environmental and social transition.

The platform produces in free-access - ESG data, models for risk and scenario analysis, environmental and social impact measurement.

Sector

Advisory /
Robo-advisor

Technology

AI

The solution allows to

Redirect financial flows

Innovate to
accelerate the
financing of the
transition

The structure of GreenValue.AI makes it possible to produce impact measurement standards adapted to specific sectoral and geographical characteristics, particularly with regards to the sustainable development goals.

The integration of this reference framework into artificial intelligence tools makes it possible to assign an impact value to the selected indicators and to obtain a consensual, dynamic and objective measure.



QLAY's platform enables housing access, social home ownership and positive rental investment via micro real estate, programmed in blockchain. QLAY's primary market funds the assets and their renovation and its secondary market enables exchanges.

The platform offers affordable and renovated housing, openly available for a staircasing home-ownership. It aims to redefine housing as a social good and to promote the ecological transition of housing.

Sector
Investment

Technology
Blockchain

The solution allows to
Mobilizing savings

Innovate to accelerate the financing of the transition

Reducing greenhouse gas by allowing workers to live closest to their workplace using micro real estate.

Shrinking housing ecological footprint by promoting investment into the renovation of energy-intensive residences.

Foster real estate rehabilitation instead of demolition/rebuilding cycle to avoid unnecessary waste.



Keewe is the first currency conversion platform for companies that acts for the planet by integrating a carbon price into the world's largest market: the Forex.

This solution is based on one tool: an electronic platform available for clients to carry out their own foreign exchange transactions. A carbon profile is established for each customer, based on a carbon scoring methodology developed with ABC (Association Bilan Carbone). This scoring defines the price at which the customer will buy his currencies. The more the customer is involved in the ecological transition, the less he has to pay.

Sector

Currency conversion

Technology

Online platform

The solution allows to

Integrating a carbon price into the foreign exchange market

Innovate to
accelerate the
financing of the
transition

By integrating a "carbon price" into foreign exchange transactions, the idea is to use companies' recurring financial flows as a tool to generate a "planet dividend" that will accelerate the financing of the energy and ecological transition. In addition, carbon scoring and incitative pricing serve to raise economic actors' awareness of the challenges of ecological transition, contributing to the reduction of greenhouse gas emissions.

 <http://keewe.eu/>



OKO Finance creates and distributes crop insurance to smallholder farmers in emerging countries, to secure their income and give them access to financial tools.

With simple mobile technologies, accessible to anyone with a phone, the solution automates claim verification, using satellite data and images.

Sector
Insurance

Technology
Data analysis

The solution allows to
Measure climate risks

Innovate to
accelerate the
financing of the
transition

The solution makes smallholder farmers more resilient to climate risks and to the impacts of climate change.

It reduces the impact of climate change on the affected populations by providing them a safety net, which allows them to recover from bad seasons and gradually adapt to the new weather conditions they are exposed to.

 <https://www.oko.finance/>

Selected Projects

ABCSR is an innovative societal startup, a green and sustainable FinTech, which offers to SMEs the opportunity to measure their contribution or their socio-economic and environmental footprint.

CSR indicators and non-financial ratings generated from the company's financial data make it possible to create lasting links with its stakeholders (customers, employees, suppliers, etc.) based on tangible, measurable and communicating results.

Sector

CSR rating and indicators service

Technology

Online platform

The solution allows to

Analyze ESG preferences

Innovate to
accelerate the
financing of the
transition

Non-financial ratings enable the actors financing the economy to integrate factual indicators and a CSR score into their decisions, by type of impact: governance, social, working relations and conditions, human rights, environment, etc.

 <https://www.abcsr-performance.com/>

Asset Resolution provides comparable, ready-to-use, prospective global data on physical assets, related to their owners and the ultimate parent company. This data, combined with financial securities and corporate loans, allows for analysis at the portfolio level.

Asset Resolution also offers climate transition portfolio analysis tools to help financial institutions turn this data into meaningful information and action. These solutions support decisions that drive emission reductions in the real economy.

Sector

Investment

Technology

Data Analysis

The solution allows to

Track financial flows

Innovate to
accelerate the
financing of the
transition

Financial institutions currently lack visibility on the adequacy of their portfolio with the energy and ecological transition and their exposure to climate risks. They need data on companies and assets to allocate capital and influence company activities in line with climate objectives.

Investors need information that allow them to:

1. Assess the climate-related financial risks (transition and physical risks) of their portfolio
2. Assess the contribution and alignment of companies to the transition to a low-carbon economy.

BitLumens

BitLumens is building a decentralized, blockchain-based micro power-grid for the 1.2 billion people without access to electricity and banking. It aims at increasing energy access and financial inclusion in rural areas using solar tech and the blockchain.

Sector

Carbon offsetting

Technology

Blockchain

The solution allows to

Track financial flows

Innovate to
accelerate the
financing of the
transition

By using connected devices, people build up credit scores and investors can view where the machines are located and how much power these generate.

Remitters can pay for electricity bills providing transparency and security of transactions.

 <https://bitlumens.com/>



BLOCKTRICITY

Blocktricity Asset Management proposes an exchange protocol to build the internet of energy. It is a multi-level marketplace to sell and buy energy in advance, that facilitates fundraising by using the blockchain. This structure creates confidence by reinforcing the traceability of energy efficiency.

Sector

Investment

Technology

Blockchain

The solution allows to

Aggregate small projects

Innovate to
accelerate the
financing of the
transition

Blocktricity's solution enables 100 small investors to invest in 100 small projects. Acting as an interface between projects developers and savers, Blocktricity brings traceability and enables a financing based on performance.

It makes it possible to finance works based on return performance. This is a game changer for the energy and connected building industries.

 <http://www.blocktricity.com/>

Bunny.Money

Bunny.money is a US-based startup and Public Benefit Corporation that builds a unique application for customers to make savings and donations that positively impact their future.

Individuals connect the mobile application to their traditional bank account to start setting money aside. They can save for their own projects, but also donate to causes that are important to them through a Nonprofit marketplace.

Sector
Financing

Technology
Mobile app

The solution allows to
Mobilize saving

Innovate to
accelerate the
financing of the
transition

Bunny.money uses an algorithm to calculate the money that customers can save, based on their banking transactions.

Users can allocate a percentage of their savings to donations. A gaming experience allows them to have an impact on the world. A marketplace using geolocation offers them the best products, concerning the issues that interest them the most.

 <https://www.bunny.money>

Champollion Finance offers to SME suppliers of a supply chain, whatever their rank, a finance solution for all current assets (WCR), whose particularity is to make this financing conditional on the implementation of actions of operational excellence, sustainable transition and digital transformation.

Sector
Financing

Technology
Data Analysis

The solution allows to
Redirect financial flows

Innovate to
accelerate the
financing of the
transition

The development of a specific model, which is a tool for the exploitation and processing of supply chain data (SCAN®), enables to generate an automatic analysis score, not only financial, but also operational and sustainable criteria.

Based on this tool, Champollion Finance imposes financing conditions on SMEs conditioned to the implementation of actions facilitating the sustainable transition, with the support of their clients. In addition, interest rates are adjusted according to the level of excellence in 3 dimensions: Operations / CSR / Digital.



CLIMAFIN is a fintech founded by three of the world experts on climate risks who have developed a reference methodology for the assessment of climate risks, published by Nature and used by the European Central Bank.

Supported by the Future and Emerging technologies program of the European Commission, CLIMAFIN brings to the financial industry the latest advances from climate impact and risk-management research.

Sector
Banking

Technology
Data analysis

The solution allows to
Measure climate risks

Innovate to
accelerate the
financing of the
transition

This solution can trigger a paradigm shift in measuring the impact of investments on the energy transition.

Its methods allow to replace existing qualitative indicators, with a transparent definition whose computation is based on the latest scientific findings about the implementation of climate policy and the impacts of climate change. It provides the tools that ensure that climate reporting can be verified and compared.

 <https://climafin.com/>

ClimWISE

ClimWISE is a Fintech solution to help banks assess climate risks through stress tests that can be adapted to existing methodologies in banking risk management. ClimWISE takes into account both physical risks and transition risks, to facilitate its customers' energy and ecological transition.

Sector
Banks

Technology
AI

The solution allows to
Assess and measure
climate risk

Innovate to
accelerate the
financing of the
transition

ClimWISE assesses the losses variations under the constraints of different climate risk scenarios and identifies and reports physical, transition and climate liability risks in credit portfolios.

Identifying climate-related risks and opportunities not only helps management make better evidence-based decisions, but also increases funding for green projects.



The French-Canadian start-up impak Finance has set itself the mission of redirecting capital towards the impact economy. It has developed Impak IS², a scoring and impact reporting solution based on the Impact Management Project and the 17 Sustainable Development Goals of the UN.

This solution allows professional investors to choose investments based on the positive impacts they generate, both from an environmental and social point of view

Sector

Investment

Technology

Data analysis

The solution allows to

Redirect financial flows

Innovate to
accelerate the
financing of the
transition

impak IS² offers a ranking of companies according to their impact score and generates a global non-financial balance including both types of impact, positive and negative.

The goal is to develop tools that enable citizens, businesses and investors to use their capital to generate economic growth while contributing to social and environmental progress.

TRUVI.IO

Truvi.IO facilitates the ecological transition by providing an AI based decision support system that matches organizational, municipal and communal needs with the best available, actionable and cost-effective ecological solutions, along with financing opportunities.

Sector

Advisory /
Robo-advisor

Technology

AI

The solution allows to

Measure the impact
of funding and
aggregate projects

Innovate to
accelerate the
financing of the
transition

With an AI based decisions support system, Truvi.IO provides predictive and actionable matching of needs-to-solutions in real time.

It enables an effective, data based selection, that enables people, organization and agencies to find the best, cost-effective ecological solution to their need.

 <https://www.truvi.io/>

TurboCereal responds to the financial difficulties of farmers in making the energy and environmental transition by providing incentives to finance the transition of their agricultural cycle through citizen savings.

By financing 70% of the harvest from the sowing stage, TurboCereal frees the entrepreneur farmer financially and gives him all the support he needs to make the energy, environmental and social transition.

Sector
Financing

Technology
Blockchain

The solution allows to
Redirect financial flows

Innovate to
accelerate the
financing of the
transition

Citizen savings enable the financing of the agricultural cycle from sowing, within a consortium in which the exchanges are made using a local currency, the Cereal Coin, which allows instant payment.

A BlockChain process collects all exchanges and all agricultural data and brings security, trust and traceability.

