

Annex A – About Global FinTech Hackcelerator 2021

The Global FinTech Hackcelerator publishes high-priority business challenges and invites FinTech solution providers with a market-ready solution from around the world to submit their applications on how they intend to solve these challenges with their proprietary solutions.

The competition comprises two parallel scouting programmes – the Local and International Programmes. The Local Programme tackles problem statements originating from the finance industry in Singapore and globally; and the International Programme comprises FinTech challenges organised by international partners.

Local Programme

Organised by MAS and supported by Oliver Wyman, the programme seeks to unlock the potential of FinTech in accelerating the development of green finance in Singapore and the region. MAS collected over 50 problem statements from financial institutions and green finance industry players. These problem statements focus on three key challenges:

- (i) Mobilising Capital** – increase access to capital for Green projects or solutions.
- (ii) Monitoring Commitment** – enhance investor and financial institution’s ease of monitoring sustainability commitments from issuers.
- (iii) Measuring Impact** – improve ability to measure impact of loans and investments against their stated sustainability goals.

10 finalists were shortlisted by a panel of industry experts to join a 12-week virtual programme to work with an assigned Corporate Champion, who will provide mentorship and guidance to refine the solution to the institution’s or industry’s context.

International Programme

The Global FinTech Hackcelerator’s International Programme features independent competitions and programmes run by selected international partners around the world. Selected Partners include:

- **European FinTech Hackcelerator** by Accelpoint and the Polish Investment & Trade Agency
- **Green & Climate FinTech Program** by F10 and New Energy Nexus
- **G20 TechSprint 2021** by Banca d’Italia / G20 Italian Presidency and the Bank for International Settlements Innovation Hub
- **Challenge FinTech for Tomorrow** by Finance for Tomorrow

10 winners from the international programmes run by international partners were fast-tracked into the finals of the Global FinTech Hackcelerator.



Rewards for Finalists and Winners

All 20 finalists from the Local and International Programmes will receive a S\$20,000 cash stipend, and be invited to a dedicated Deal Fridays networking session in November to meet with potential investors.¹ They will also be eligible for a fast-tracked application for MAS' Financial Sector Technology and Innovation (FSTI) Proof-of-Concept grant (up to S\$200,000). The finalists will present their solutions during the Global FinTech Hackcelerator Demo Day to an esteemed panel of judges and the top three winners will receive S\$50,000 each in prize money.

Demo Day Industry Panel for the Selection of Winning Solutions

Name	Title	Organisation
Peter Murray	Head of Financial Services, ASEAN	Amazon Web Services
Walter de Oude	Founder and Deputy Chairman, SingLife	Aviva Singlife Holdings Pte Ltd
Bidyut Dumra	Executive Director & Head of Innovation	DBS
Winnie Tan	Senior Vice President of Sustainability	Great Eastern Holdings
Dr. Darian McBain	Chief Sustainability Officer	Monetary Authority of Singapore
Ben Balzer	Partner and Head of Private Capital, APAC	Oliver Wyman
Chia Tek Yew	Chairman, Sustainability Committee	Singapore FinTech Association
Gautam Mukharya	Chief Risk Officer, HSBC Singapore	The Hongkong and Shanghai Banking Corporation Limited (HSBC)
Valerie Lau, CFA	Head of Southeast Asia and Singapore, APAC Sustainable Finance Office	UBS AG, Singapore
Lim Jin Huei Eric	Chief Sustainability Officer and Head of Group Finance	United Overseas Bank Limited

¹ Deal Fridays are curated deal-making sessions for facilitating investment into start-ups. They are held once a month on Fridays from March to December 2021. The 20 finalists of the Global FinTech Hackcelerator will have a dedicated Deal Fridays session on 22 October 2021 for them to network and pitch to investors.



Global FinTech Hackcelerator Finalists

Programme (Local/ International)	Company Name	Description of Company and Solution
Local	Descartes Insurance Asia Pte. Ltd	Unlike traditional insurance which relies on lengthy loss adjustment procedures and restrictive cover, Descartes' parametric insurance products pay out when a predefined event (i.e., flood, cyclone, earthquake, lack of wind or solar energy etc.) occurs as measured by a specified parameter or index (rainfall, wind speed, peak ground acceleration, solar radiation etc.). The indemnity is defined upfront, so the cover is wider and more transparent than traditional insurance, and claims can be paid in only a few days. Their solution is based on artificial intelligence and neural network models, developed by their in-house data science team. Descartes handles petaoctets of data (~10 ⁶ time more than a traditional insurer), derived from satellite imagery, IoT, radars and sensors. The data is sourced from partners such as NASA, JAXA, ESA, weather agencies (ECMWF, USGS), or IoT providers (Understory, Hailios).
Local	Alter5 Financial Technologies, S.L.	Alter5 is a digital and financial platform for institutional investors to invest in sustainable alternative assets. Through a standardised green bond issuance platform and a digitised process, institutional investors can assess, invest, monitor and trade. The platform provides ample flexibility to build tailored portfolios according to the investor's risk-return profile, investment values and strategy. Alter5 has defined a gradual approach to sustainable alternative assets starting with renewable energy assets. Alter5's financial products are supported by their technology backbone A5 Green Connect, building the digital infrastructure to transform investments in sustainable alternative assets with four key technology modules: 1) Asset Origination Engine, 2) Risk Assessment and Financial Structuring, 3) Green Investment Portal and 4) Alter5 Marketplace. Alter5 is also launching the Green Investment Protocol, a blockchain-based solution to bring efficiency and gradual decentralisation to sustainable alternative investments.



Local	<p>RootAnt Global Pte Ltd</p> <p>Global Initiatives Communications Pte Ltd</p>	<p>RootAnt Global & Global Initiatives have joined hands to incorporate sustainability elements onto a digital platform (BANCO by RootAnt) that helps SMEs suppliers in the value chain become more sustainable, enhance creditworthiness and therefore raise green financing. BANCO digitises supply chain commerce which results in an Irrevocable Payment Undertaking (IPU) from the buyer (usually a large corporate) to the seller. It also assesses the sustainability preparedness of each supplier, using a framework designed for smaller companies based on peer comparison within each sector. Each respondent receives a score (the Singapore Sustainability Index) along with a gap analysis which identifies an improvement plan. Banks can leverage on the IPU, sustainability score and the action plan to start offering green financing to the SMEs on the platform itself.</p>
Local	Net Purpose Ltd	<p>Net Purpose is the world's first data provider for a new generation of investors that are investing not just for profit but also for purpose. Net Purpose aggregates, cleans, and standardises quantitative data on the social and environmental performance of the world's largest listed companies, covering more themes than any ESG data provider, and measuring outcomes that track direct contribution to the Sustainable Development Goals. Their mission is to make impact measurement accessible to one million investment professionals by 2025 to accelerate progress towards global goals.</p>
Local	MioTech	<p>MioTech's ESG data platform Advanced Market Intelligence (AMI) facilitates sustainable investing and ESG portfolio strategies by allowing users to evaluate companies' performance based on ESG factors in a comprehensive, user-friendly format. AMI provides full coverage of over 1 million private and public Chinese companies and its datasets cover massive amounts of public and alternative sources to capture real time ESG performances. Additionally, it contains over 700 ESG data points and integrates relationship mapping of supply chain networks. Thus, investors and retail consumers may access AMI, its ratings, and expansive datasets to add, divest, or optimise assets in their portfolios, as well as to analyse companies across sectors and geographies. Users may also leverage the tracking tools and risk monitor functions for risk</p>



		management. On a regulatory compliance standpoint, AMI allows for comparison and checking of alignment with international standards (e.g., TCFD, SDG's, UNGC, GRI).
Local	Nexus Frontier Tech (Asia) Pte Ltd	Due to varying and inconsistent ESG reporting and investing frameworks, it is a highly time- and effort-intensive process for investors to analyse and benchmark ESG data across companies, regions, and industries. With Nexus' Intelligent ESG Solution, investors can leverage AI technologies to automatically read, organise and visualise ESG data from sustainability reports, mapping them into each investor's unique frameworks and focus areas. Complete with a data management centre for both external and internal data, investors can systematically build their own centralised ESG database on portfolio companies and take more impactful investing decisions and actions over time.
Local	CredQuant Solutions Pte. Ltd.	CredQuant is a sustainable investment research and risk analytics platform that leverages AI to digitally transform the way capital market participants comprehend financial information and make investment decisions. CredQuant leverages data and machine intelligence to develop global and regional industry benchmarks, ESG ratings and ESG controversy alerts. Their model driven approach performs real-time risk assessment of financial disclosures, sustainability disclosures, news flows, macroeconomics, industry trends and market sentiment. CredQuant empowers investment managers, wealth managers, banks, insurers and risk managers to improve efficiencies, reduce risk, enhance returns and optimise their research spend while accessing the widest range of research coverage for available Asian, European and US markets. CredQuant also helps large corporations and MSMEs in performing their ESG rating self-assessment and offer improvement recommendations to enable them to improve investor relations, reduce cost of funding and be eligible for sustainability-linked financing.
Local	Banyan Infrastructure Corporation	Banyan is a loan and risk management platform for banks that originate, service, and securitise renewable energy loans. Banyan digitises the entire project finance and risk management workflows over the life



		<p>of the renewable energy project. The platform automates and standardise the way data is captured, analysed, and validated across millions of different counterparties and disparate systems. It also embeds ESG metrics into the underwriting process and continually monitor ESG performance and compliance over the life of the project. This creates a single source of truth that is easily shared with the broader capital market ecosystem. Using Banyan, banks can continue to rely on their rigorous credit underwriting and risk management procedures, but now efficiently manage thousands of loans using a digital platform. Banks can now cost-effectively underwrite a larger volume of distributed renewable energy loans and seamlessly package them into Green Bonds and other attractive secondary offerings.</p>
Local	Evercity UG (haftungsbesc hränkt)	<p>The Evercity Platform automates the issuance and monitoring of sustainable finance instruments such as green/sustainability-linked bonds and carbon credits. The whole lifecycle of a sustainable finance instrument is managed through Evercity's software. All stakeholders are united by a single workflow that simplifies and cuts costs for structuring (eligibility screening and framework creation), issuance, monitoring, and reporting. The platform uses blockchain because it brings unprecedented accountability of impact outcomes and serves as a golden source of truth for all participants of a sustainable finance lifecycle.</p>
Local	YOUKI GmbH	<p>WATTIFY by YOUKI is an open energy asset-tokenisation platform for crowd-investments which will transform the way impact investments are handled today. It will allow anybody to invest in promising renewable energy projects of various lengths and development stages. With WATTIFY, it will be easy to make and hold control of investments while being able to track the environmental impact (CO2 savings). It tokenises renewable energy assets, facilitates the onboarding of investors in a manner conforming to all regulations, and matches investors with appropriate investment opportunities.</p>
International	SkyBlu AI	<p>SkyBlu created a technology that takes a digital elevation model and satellite imagery to simulate the flow of water after heavy rainfall. As a result, it points</p>



		<p>out the properties at risk of flooding if such heavy rainfall occurs. Due to ongoing climate change, heavy rainfall is occurring more and more often and in unexpected regions. This is why insurers can no longer rely on historical flood data in flood risk estimation. The solution supports insurers in this uncertainty, offers unprecedented address-level precision and is available worldwide.</p>
International	TSJR SAS - Neuroprofiler	<p>The ESGprofiler helps financial institutions assess their individual investor's ESG preference thanks to gamification and behavioural finance. The ESGprofiler helps raise awareness about sustainable finance and boost sales of ESG products. It can also be used to segment existing clients and potential prospects' ESG preference in order to better structure future ESG offers. Their solution is also designed to comply with regulations making the assessment of ESG preference compulsory.</p>
International	Qarnot Computing	<p>Qarnot, a French company incorporated in 2010, provides its clients with a unique solution to drastically reduce the carbon footprint linked to their digital activities (-75% on average). Their strategy relies on a computing power infrastructure distributed in buildings (offices, housings, public facilities, warehouses) where huge amounts of heat generated by computing servers can be locally and directly valued. This disruptive way brings a global and important cost, risk and carbon footprint reduction compared to the traditional data centre approach, especially concerning high performance computing (HPC) matters. Their clients are, on one hand, compute intensive businesses, mainly in finance but also in multimedia, engineering, and research, and on the other hand, real estate players, both looking for carbon and cost reduction of their infrastructure.</p>
International	Sustainaccount AG	<p>Sustainaccount is filling the information gap on ESG data from private market companies with data modelling and machine learning. Leveraging on the team's experience of using IoT to track emissions and access real time environmental data, Sustainaccount is building the technology to help non-listed companies estimate and credibly communicate their carbon footprint. This will create the basis for an ESG risk bureau including not-publicly disclosed information</p>



		providing a holistic view across a large base of customers.
International	Mym pact	Mym pact is a B2C platform that uses open banking to provide people with holistic, real-time tracking of the CO2-footprint of all transactions across multiple accounts. With personalised tips, challenges, partnerships with sustainable businesses, and integrated carbon offsetting, users are incentivised to make more conscious decisions and are empowered to understand and take control over their impact to live as sustainable as they would want to.
International	Beijing Uni Inclusive Technology Limited Company	Leveraging cloud-computing, AI, and big data, Uni Inclusive’s green finance integrated services platform helps financial institutions effectively expand green and sustainable finance offerings. Uni Inclusive helps domestic banks to identify, assess, control, transfer, and monitor ESG risks. The solution integrates ESG risks into credit access, loan origination, loan maintenance, and loan recovery. The industry standards-compliant environmental analysis tool has embedded various green finance standards and is consistent with CBIRC to help financial institutions evaluate environmental contributions of their loans or investment products. The GHG Emission Accounting Tool enables financial institutions to evaluate carbon emissions from its own operations and investment projects. The platform features an environmental information management function and customizable templates for financial institutions to disclose environmental information. Its AI-based Green Intelligent Identification tool provides convenience for financial institutions to carry out and manage green loan operations. Big Data also enables the evaluation of ESG performance, providing early risk warning of enterprise customers and investment projects for pricing decisions.
International	WeavInsight Pte Ltd (WeavAir)	WeavAir offers a business and investment intelligence solution composed of predictive software and multi-sensor IoT devices that measure 20 different metrics (on energy efficiency, air quality, predictive maintenance and people flow) in real-time at 95% accuracy, leading to ROI in less than 2 years. WeavAir’s solution helps operators save 30% in operation and maintenance costs, over 20% in energy, and improve air quality, reduce downtime, transmission of



		infections like COVID-19, as well as mitigate legal and insurance risks. WeavAir data can also be integrated with ventilation control systems, ESG reporting and certifications like LEED, WELL, & GRESB.
International	Greenomy	Greenomy is a SaaS RegTech company, offering Companies and Financial Institutions a collaborative one-stop platform to report and comply with the new EU Sustainable Finance Reporting regulations. Greenomy digitised thousands of pages of legislation into a simple to use platform to only compute the relevant metrics for each company, investments, or debt. It offers a self-guided process to retrieve raw taxonomy data from the API and go beyond estimates. It offers a one-click completion of Sustainability Reporting, including Substantial Contribution, DNSH, Minimum Social Safeguards, and PAI KPIs.
International	CRIF and R.E.D	The Climate Risk Analytics Suite (CRAS, which means “tomorrow” in Latin) is a unique digital platform containing a wide set of instruments – data, algorithms, and methodologies – that can support financial institutions to align with the requirements on the monitoring and reporting of climate-related risks and opportunities for international standards. CRAS supports institutions to increase their awareness on climate-related risks and helps them in taking the right strategic decisions connected to these phenomena. CRAS is a fully digital and automated platform that has been conceived to satisfy different types of users: from managerial-level users needing to access aggregated and synthetic views of climate-related risk concentrations, up to specialists who need to assess risks at the single-counterparty or even at the single-site level.
International	Home Infrastructure Technology Limited	Add To My Mortgage is Home Infrastructure Technology’s point-of-sale finance platform for homeowners to invest in green home improvements quickly and simply, using their existing mortgage. Customers can pay for their green measure whilst saving on their energy bills, removing a key barrier to uptake. In this way, they will help the transition to Net Zero.



Judging Panel and Corporate Mentors for the Local Programme

Judging Panel – Finalists’ Selection

Name	Title	Organisation
David Smith	Senior Investment Director	abrdn
Urs Bitterling	Head of Sustainability	Allianz SE
Claudia Salem	Regional Property and Casualty CEO	Allianz Asia Pacific
Santanu Dutt	Head of Technology and Chief Technology Officer, Southeast Asia	Amazon Web Services
Supriya Sen	Independent Director	ASEAN Financial Innovation Network
Shilpa Gulrajani	Head of Business Development and Strategy	BNP Paribas
Bidyut Dumra	Executive Director & Head of Innovation	DBS
Jene Lim	Head of Product Management, Credit Services – SEA	Experian
Andrew Koh	Regional Lead, Singapore	Government Blockchain Association
Michele Madonini	Vice President and Managing Director, Asia-Pacific and Japan	HPE Financial Services
Andrew Ng	Enterprise Sales Leader, Southeast Asia & North Asia	HPE Financial Services
Rajeev Tummala	Director, Digital and Data Product	HSBC
Geethy Panicker	Head of Enterprise Risk, Singapore	HSBC
Michael Fernandes	Partner	Leapfrog Investments
Allison Ching	Program Director, Sustainable Finance, LSEG labs	London Stock Exchange Group
Dr Weihao Choo	Head of Consulting	Munich Re
Mike Ng	Managing Director and Head of Structured Finance and Sustainable Finance	OCBC Bank
Ben Balzer	Partner and Head of Private Capital, Asia-Pacific	Oliver Wyman
Sam Ridgeway	Principal, Finance & Risk, and Climate & Sustainability SEA Climate Lead	Oliver Wyman
Timothy Colyer	Partner, Head of Indonesia	Oliver Wyman
Goh Theng Kiat	Chief Customer Officer	Prudential Assurance Company Singapore
Randy Liu	Head of Ventures APAC	SCOR Global P&C
Chiang Yoke Fun	Head of Singapore Digital Business	ST Engineering
Percival Goh	Executive Vice President and Head of Strategy and Defence System	ST Engineering



Connie Chan	Managing Director, Investment (Financial Services)	Temasek
Andrew Wong	Director, APAC Strategy	UBS

Corporate Champions

Global FinTech Hackcelerator Finalist	Corporate Champions	Corporate Mentor	Designation of Corporate Mentor
CredQuant	Experian	Jene Lim	Head of Product Management, Credit Services – SEA
		Quak Zhihao	Strategic Development Manager, Credit Services – SEA
Net Purpose	HPE Financial Services	Michele Madonini	Vice President and Managing Director, Asia Pacific and Japan
		Jakub Jacuta	Chief Financial Officer
MioTech	HSBC	Geethy Panicker	Head of Enterprise Risk, Singapore
		Anurag Mathur	Head of Wealth and Personal Banking, Singapore
		Sandeep Sharma	Head of Internal Audit, Singapore
Nexus Frontier Tech	Maybank Singapore	Helena Ooi	Head, Strategy
		Wong Teck Jung	Head, Corporate Office, Global Banking
Evercity UG	Munich Re	Weihaio Choo	Head of Consulting
		Dennis Tay	Insurance Solutions Manager
Descartes Underwriting	SCOR Global P&C	Randy Liu	Head of Ventures APAC
Banyan Infrastructure	SMBC	Ken Tomisaki	General Manager, Structured Finance APAC
		David Koh	MD Deputy Head of Corporate Banking APAC
YOUKI GmbH	Temasek	Jeff Johnson	Managing Director
		Kevin Lim	Director
Alter5	UBS	Andrew Wong	Director, APAC Strategy



		Yuan Ning Mock	ESG Analyst, APAC Sustainable Finance Office
RootAnt / Global Initiatives Communications	UOB	Joseph Sum	Head of Trade Product Management
		Adrian Ow	Head of Business Enablers & ESG Solutions