SPACE2EARTH ACCELERATOR 2022

In February 2022 Space4Impact will kick-off its first international acceleration programme for downstream space applications bringing together space startups and strategic partners across industries.

GET READY FOR LIFT-OFF!

- 📅 Running January – June 2022 in Switzerland & UK
- 🎦 Three industry events showcasing real case scenarios
    1. Insurances & Utilities
    2. Agriculture & Supply Chain
    3. Sustainable Finance
- Closing event to showcase the outcome of the programme
- International startups presenting industry-tailored pitches
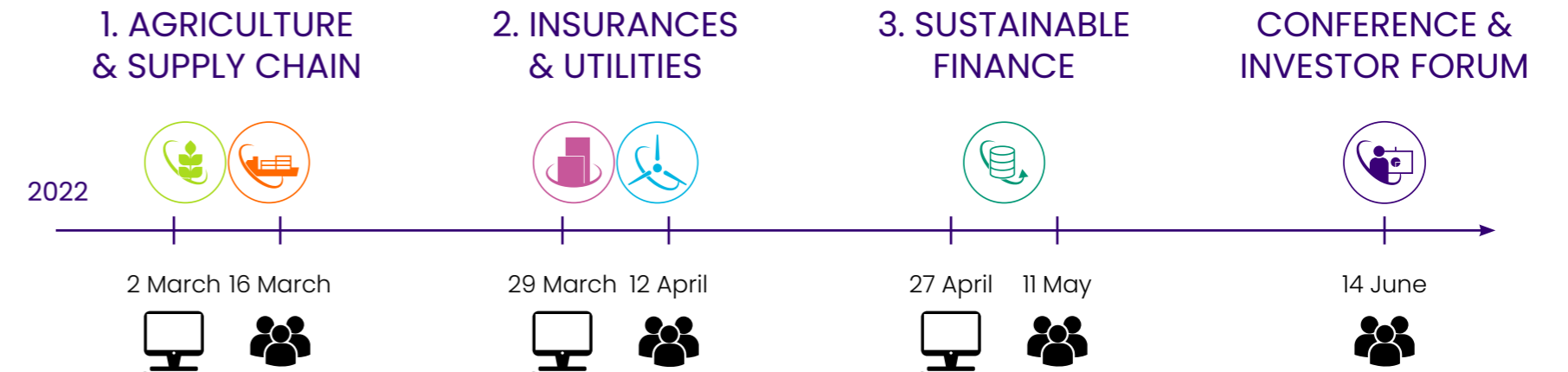- Startup mentors & experts to help enter new markets

supported by

VAUD ✚

2

EVENT SERIES TIMELINE

During 3 industry events the Space2Earth Accelerator will introduce the technology of top-notch space startups to your industry.
Different from other programmes, you will share your industry's challenges and needs. Then the startups will actively tackle them with their tailor-made solutions.

For this, the accelerator follows a unique structure (detailed explanation on p. 8), consisting of:
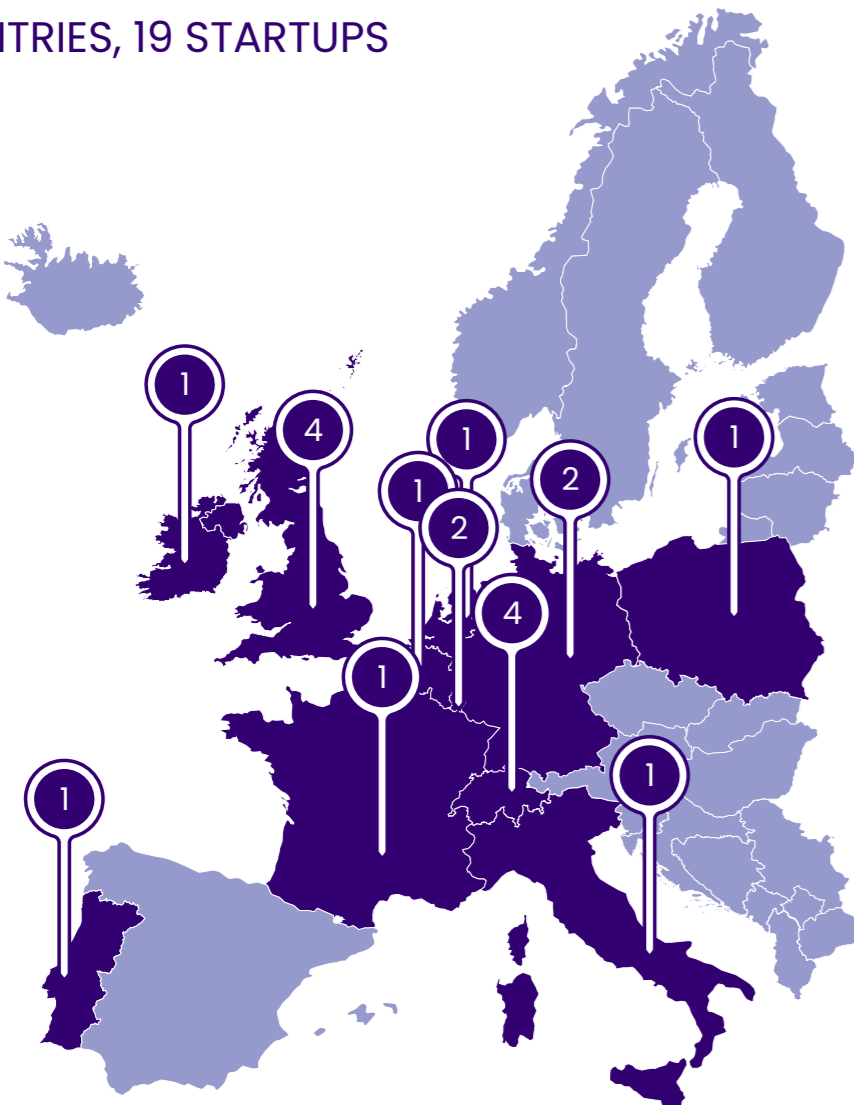- 🖥 an online pre-event to tackle the need of the industry; and
- 👥 a physical main event to pitch the solutions of the startups.

1. AGRICULTURE & SUPPLY CHAIN	2. INSURANCES & UTILITIES	3. SUSTAINABLE FINANCE	CONFERENCE & INVESTOR FORUM

2022

2 March 16 March   29 March 12 April   27 April 11 May   14 June

3

Space2Earth Accelerator

11 COUNTRIES, 19 STARTUPS

EVENTS & APPLICATIONS

INSURANCES & UTILITIES

Real estate
Meteo forecast
Earth movement
Harvest insurance
Pipeline monitoring
Urban development
Traffic management
Thermal loss monitoring
Natural disaster management
Remote areas communication
Energy production management
Infrastructure & assets monitoring

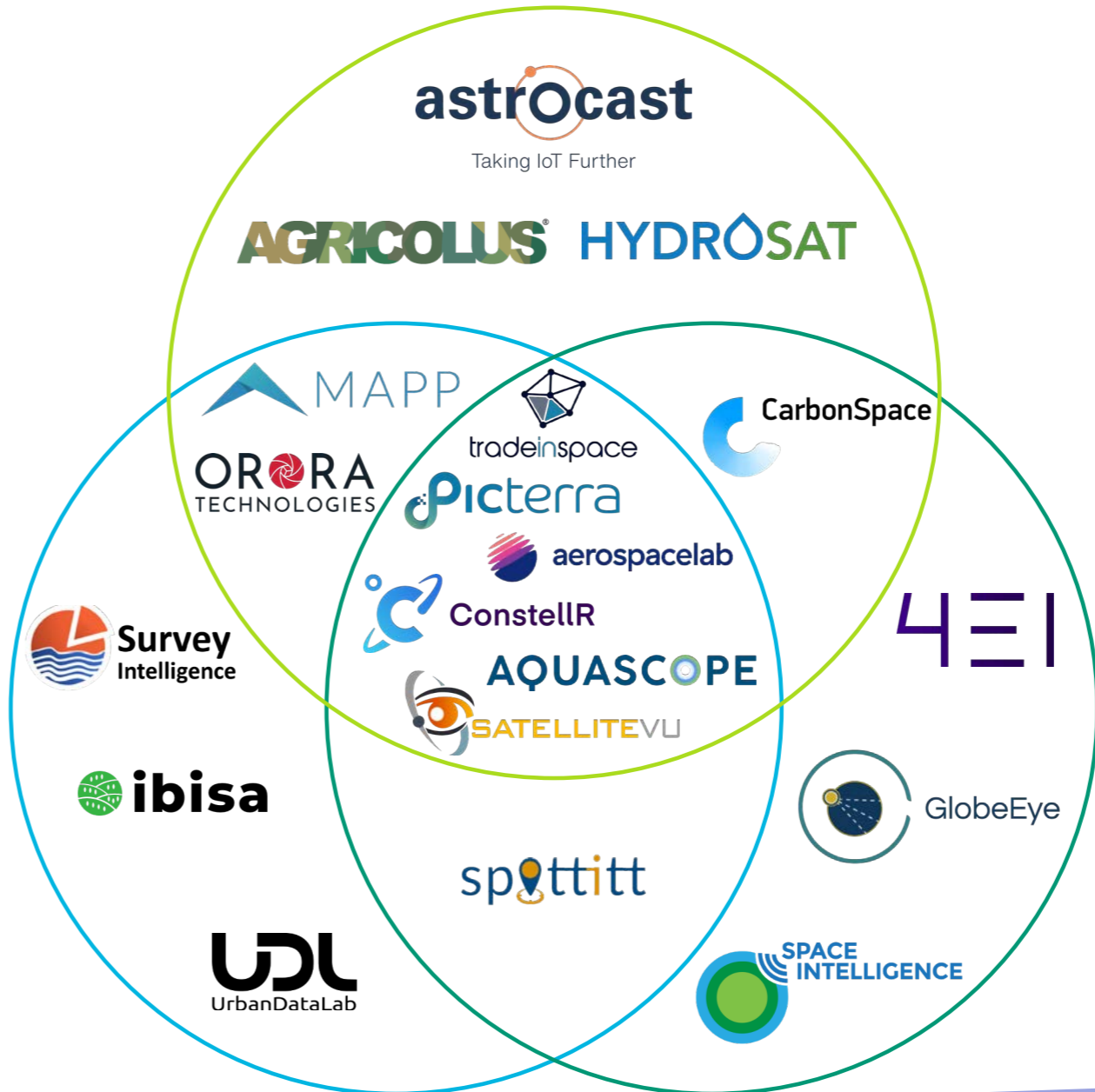## AGRICULTURE & SUPPLY CHAIN

Precision agriculture
Natural resources & shipment tracking
Soil composition & moisture
Draughts management
Logistics optimization
Water management
Trading forecasting
Yields optimization
Mine composition
Crops monitoring

SUSTAINABLE FINANCE

ESG reporting
TCFD reporting
Emissions monitoring
Forestry management
Vegetation monitoring
Investment due diligence
Carbon capture monitoring
Climate change monitoring
Impact Investment monitoring
Infrastructure environmental impact

astrocast — Taking IoT Further
AGRICOLUS
HYDROSAT
MAPP
ORORA TECHNOLOGIES
tradeinspace
CarbonSpace
Picterra
aerospacelab
ConstellR
AQUASCOPE
SATELLITEVU
Survey Intelligence
ibisa
4EI
GlobeEye
Spottitt
UDL UrbanDataLab
SPACE INTELLIGENCE

STARTUPS – LIST OF PROFILES

4 EARTH INTELLIGENCE

Location: United Kingdom   **Size:** 26 - 50 people

Age: 1 - 3 years   **Raised:** 0 - 500'000 USD

www.4earthintelligence.com

At 4EI, we are transforming the way organizations obtain value through geospatial analytics and intelligence, using space data for the betterment of humans and the planet. Our dedicated team of industry leading experts in earth observation, finance, offshore renewables, engineering and technology, turn satellite data and imagery into intelligence and actionable insight by leveraging cutting edge technology such as remote sensing and artificial intelligence.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

TARGET INDUSTRY

Agriculture   Finance   Insurance   Forestry

Infrastructure   Energy   Environmental Monitoring

EVENT

AEROSPACELAB

Location: Belgium & Switzerland   **Size:**   + 50 people

Age: 3 - 5 years   **Raised:** + 2'000'000 USD   **www.aerospacelab.be**

Aerospacelab is a Belgian company founded in 2018 by Benoit Deper, currently employing more than 70 people. Its expertise is in both hardware (satellites, subsystems, and components) and data processing (extraction of actionable insights from satellite data). With two main constellations in the progress, Aerospacelab ambitions to enhance efficiency across various markets, by making geospatial intelligence affordable and actionable. To fulfill its mission statement, Aerospacelab leverages satellite data from multiple sensors, and keeps control over its supply chain. Aerospacelab ambitions to be the first vertically integrated agile aerospace company fusing geospatial data from multiple sensors.

SPACE TECHNOLOGY   **EVENT**

Earth Observation   Remote Sensing   Satellite Manufacturing

TARGET INDUSTRY

Agriculture   Finance   Insurance   Forestry

Infrastructure   Real Estate   Environmental Monitoring

AGRICOLUS

Location: Italy   **Size:**   26 - 50 people

Age: 3 - 5 years   **Raised:** + 2'000'000 USD   **www.agricolus.com**

Agricolus is an innovative startup working in Smart Farming sector, which provides its customers with a cloud applications ecosystem for precision farming with multiple purposes: disease awareness and forecasts, crop monitoring, decision support system for treatments and fertilizers, farm management and "end to end" traceability bringing valuable information to final users. The aim is to support farmers and other agri-sector operators in optimizing agronomic practices.

SPACE TECHNOLOGY   **EVENT**

Remote Sensing

TARGET INDUSTRY

Agriculture   Information Systems   Environmental Monitoring

AQUASCOPE

Location: UK & Switzerland   **Size:**   0 - 10 people

Age: 1 - 3 years   **Raised:** 0 – 500'000 USD

www.aquascope.com

Aquascope provides timely water quantity and quality metrics to enable industry and governments to understand water risks and implement measurable, value driven solutions for climate mitigation and adaption We aggregate all water and related data using satellite data, machine learning & ground sensors. We provide independent, near real-time monitoring and insights at scale to ensure all investments are generating value for all stakeholders without exceeding ecosystem & planetary boundaries.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing   Weather & Meteorological

EVENT

TARGET INDUSTRY

Agriculture   Finance   Insurance   Energy

Logistics   Information Systems   Environmental Monitoring

ASTROCAST

Taking IoT Further

Location: Switzerland   **Size:**   + 50 people

Age: 5 - 10 years   **Raised:** + 2'000'000 USD

www.astrocast.com

We deliver a comprehensive, end-to-end, direct-to-orbit SatIoT Service to expand IoT to remote regions of the world. We provide the necessary chipset (Satellite modem) and data-plans to device manufacturers, OEMS, System Integrators, Solution Providers etc who integrate our communication modules into their devices and machines to implement global satellite IoT connectivity to their solutions.

SPACE TECHNOLOGY

Remote Sensing   Telecommunication

EVENT

TARGET INDUSTRY

Agriculture   Logistics   Telecom

Infrastructure   Energy   Environmental Monitoring

CARBONSPACE

Location: Ireland   **Size:** 11 - 25 people

Age: 1 - 3 years   **Raised:** 500'001 - 2'000'000 USD

www.carbonspace.tech

CarbonSpaceTech is developing a satellite-powered platform that offers an accurate and cost-effective tool for monitoring emissions from different land use. It aims at bringing a new level of transparency in the supply chains of food and lumber industries, as well as unleashing the potential of nature-based carbon removal projects. We are a team of passionate entrepreneurs and scientists with expertise in sustainability, space technologies, and artificial intelligence.

SPACE TECHNOLOGY

EVENT

- Earth Observation
- Remote Sensing

TARGET INDUSTRY

- Agriculture
- Finance
- Forestry
- Environmental Monitoring

CONSTELLR

Location: Germany   **Size:** 11 - 25 people

Age: 1 - 3 years   **Raised:** + 2'000'000 USD

www.constellr.space

ConstellR provides the fundamental global data for smart water monitoring for agriculture; its infrared monitoring satellites can identify changes in crop health days to weeks before they become visible, enabling farmers to react early to and mitigate for potential crop failure or damage. This allows for more accurate crop yield forecasting and thus better stability and management across supply chains. We are piloting our service with agri-insurance, yield and water management and disaster management companies at present.

SPACE TECHNOLOGY

EVENT

- Earth Observation
- Remote Sensing

TARGET INDUSTRY

- Agriculture
- Finance
- Insurance
- Forestry
- Logistics
- Infrastructure
- Environmental Monitoring

GLOBEEYE

GlobeEye

Location: France   **Size:**   0 - 10 people

Age: 1 - 3 years   **Raised:** 0 - 500'000 USD

GlobeEye provides Earth Observation applications for Sustainable Finance. Specifically, it develops next generation sustainability (ESG) metrics combining satellite data with a vast range of alternative and observational data, leveraging state-of-the-art artificial intelligence. GlobeEye supports the transition towards sustainable investment decisions, increasing the overall economic and social efficiency of global capital allocation.

SPACE TECHNOLOGY

Earth Observation

EVENT

TARGET INDUSTRY

Finance   Environmental Monitoring

HYDROSAT

HYDROSAT

Location: Luxembourg   **Size:**   11 - 25 people

Age: 3 - 5 years   **Raised:** + 2'000'000 USD

Hydrosat is a geospatial data and analytics company, which is building a thermal-infrared small-satellite constellation in support of its agricultural and disaster management products. Hydrosat also uses data from NASA and ESA Earth observation satellites. We distill satellite and weather data into actionable insights for our customers. From agriculture and natural resource monitoring to aquaculture management, our satellite data and analytics platform will enable more informed decision-making. More informed decision-making will lead to more resilient businesses and communities.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

EVENT

TARGET INDUSTRY

Agriculture   Finance

Insurance   Environmental Monitoring

IBISA

Location: Luxembourg   **Size:** 0 - 10 people

Age: 1 - 3 years   **Raised:** 500'001 - 2'000'000 USD

www.ibisa.network

IBISA is an InsurTech building and managing climate insurance solutions for agriculture to bring resilience to farmers and businesses.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

EVENT

TARGET INDUSTRY

Agriculture   Finance   Insurance   Food

MAPP.IT

Location: Portugal   **Size:** 0 - 10 people

Age: 1 - 3 years   **Raised:** 0 - 500'000 USD

www.mapp.it

MAPP.it is global, subscription-based, app that uses AI, satellite and drone data to generate insights for farmers to take action without expert knowledge. We are monitoring more than 2000 hectares of vineyards, from paying, recurring customers. MAPP.it is a spin-off from Spin.Works, an aerospace company established in 2006 that develops optical instruments, computer vision, AI and navigation & control systems for Earth observation and planetary missions to the Moon, Mars and small bodies.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing   Artificial Intelligence

EVENT

TARGET INDUSTRY

Agriculture   Infrastructure   Forestry

ORORATECH

Location: Germany   **Size:** 26 - 50 people

Age: 1 - 3 years   **Raised:** + 2'000'000 USD

OroraTech has developed the first global wildfire intelligence service, including risk assessment, early detection, real-time monitoring, and damage analysis from space through a constellation of small satellites.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

TARGET INDUSTRY

Forestry   Infrastructure   Energy

Wildfire Services & Authorities   Environmental Monitoring

EVENT

PICTERRA

Location: Switzerland   **Size:** 11 - 25 people

Age: 5 - 10 years   **Raised:** + 2'000'000 USD

A collaborative end-to-end ML platform to train, deploy and manage your own algorithms for geospatial analysis.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

TARGET INDUSTRY

Agriculture   Insurance   Real Estate

Forestry   Infrastructure   Energy

Information Systems   Environmental Monitoring

EVENT

SATELLITE VU

Location: United Kingdom   **Size:** 11 - 25 people

Age: 3 - 5 years   **Raised:** + 2'000'000 USD

Satellite Vu is launching a constellation of thermal satellites with a unique high-resolution sensor that can detect heat emissions from any structure in the planet. This new category of heat observation data will enable a host of new applications from the monitoring of economic activity, the thermal footprint of buildings to improve their efficiency, and the sustainability of supply chains. With its technology, Sat-telite Vu has raised more than 25'000'000 USD in funding.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

EVENT

TARGET INDUSTRY

Agriculture   Finance   Insurance

Infrastructure   Logistics   Energy

Real Estate   Environmental Monitoring

SPACE INTELLIGENCE

Location: United Kingdom   **Size:** 11 - 25 people

Age: 3 - 5 years   **Raised:** 0 - 500'000 USD

Space Intelligence provides trusted information to support Nature Based Solutions, and environmental KPIs, globally. We create these datasets using satellite data and AI, and expert knowledge at the inter-section of big data analytics and ecology.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

EVENT

TARGET INDUSTRY

Forestry   Environmental Monitoring

SPOTTITT

Location: UK & Poland

Size: 11 - 25 people

Age: 3 - 5 years

Raised: 500'001 - 2'000'000 USD

www.spottitt.com

Spottitt is a UK based company, that provides satellite analytics that help utilities in the Transmission & Distribution market embrace a new digital era, bringing unprecedented service reliability and optimal O&M spending. Spottitt combines satellite images, machine learning and an easy-to-use interface to offer low risk and low-cost asset inspection solutions to monitor infrastructure at scale.

SPACE TECHNOLOGY

Earth Observation

EVENT

TARGET INDUSTRY

Insurance

Energy

Infrastructure

Environmental Monitoring

SURVEY INTELLIGENCE

Location: The Netherlands

Size: 0 - 10 people

Age: 1 - 3 years

Raised: 0 - 500'000 USD

www.survintel.com

Survey Intelligence is specialized in analyzing and interpreting ground movement. We provide the missing link between Earth Observation data and geology. By detecting and understanding the stress on infrastructure caused by ground movement, we allow our customers to make timely decisions and take appropriate actions. We inform our customers on HOW and WHY the ground is moving and predict WHEN and WHERE it will move again.

SPACE TECHNOLOGY

Earth Observation

EVENT

TARGET INDUSTRY

Insurance

Energy

Infrastructure

Environmental Monitoring

TRADE IN SPACE

Location: United Kingdom   **Size:** 0 - 10 people

Age: 3 - 5 years   **Raised:** 500'001 - 2'000'000 USD   www.tradeinspace.com

Trade in Space pioneered the development of Satellite Activated Smart Contracts in 2019. Focusing on the coffee farming sector, we developed proprietary AI techniques to map coffee more accurately than any other commercially available technology. In 2020, we completed The Worlds First Ever Space Traded coffee, by using our proprietary mapping software and block-chain architecture to import green coffee from Colombia to the UK.

SPACE TECHNOLOGY

Earth Observation   Remote Sensing

EVENT

TARGET INDUSTRY

Agriculture   Finance   Environmental Monitoring

URBANDATALAB

Location: Switzerland   **Size:** 0 - 10 people

Age: 1 - 3 years   **Raised:** 0 - 500'000 USD   www.urbandatalab.ch

UrbanDataLab is a spin-off of ETH that supports professionals across multiple industries to easily apply artificial location intelligence. Our proprietary analysis platform integrates a large set of unique and scalable geodata and combines it with the latest methods of predictive analysis (machine learning). This enables our customers to easily understand patterns in data and make better location decisions, e.g. customer segmentation, site planning or revenue predictions.

SPACE TECHNOLOGY

Remote Sensing   Urban Data Science

EVENT

TARGET INDUSTRY

Finance   Insurance   Real Estate   Information Systems

Space 4 Impact

Space4Impact
EPFL Innovation Park
Building C
1015 Lausanne

info@space4impact.org
space4impact.org/space2earth