ITUPublications

International Telecommunication Union
Standardization Bureau

Identifying and scaling AI startups for SDGs

ITU AI for Good Innovation Factory 2020-2024 Activities Report

Disclaimers

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the International Telecommunication Union (ITU) or of the ITU secretariat concerning the legal status of any country, territory, city, or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by ITU in preference to others of a similar nature that are not mentioned. Errors and omissions excepted; the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by ITU to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader.

The opinions, findings and conclusions expressed in this publication do not necessarily reflect the views of ITU or its membership.

ISBN

978-92-61-39631-2 (Electronic version)

Please consider the environment before printing this report.

© ITU 2024

Some rights reserved. This work is licensed to the public through a Creative Commons Attribution-Non-Commercial-Share Alike 3.0 IGO license (CC BY-NC-SA 3.0 IGO).

Under the terms of this licence, you may copy, redistribute and adapt the work for non-commercial purposes, provided the work is appropriately cited. In any use of this work, there should be no suggestion that ITU endorse any specific organization, products or services. The unauthorized use of the ITU names or logos is not permitted. If you adapt the work, then you must license your work under the same or equivalent Creative Commons licence. If you create a translation of this work, you should add the following disclaimer along with the suggested citation: "This translation was not created by the International Telecommunication Union (ITU). ITU is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition". For more information, please visit https://creativecommons.org/licenses/by-nc-sa/3.0/igo/

Identifying and scaling AI startups for SDGs

ITU AI for Good Innovation Factory

2020-2024 Activities Report

Foreword

The AI for Good Innovation Factory is the leading United Nations-based startup pitching and acceleration platform that supports the growing and scaling of startups using artificial intelligence to advance the Sustainable Development Goals (SDGs).

The Innovation Factory is a year-long competition that culminates with the top finalist of each pitching session participating in the prestigious AI for Good Innovation Factory Grand Finale at the AI for Good Global Summit, the final demo event where startups pitch to an expert panel for potential funding.

I am pleased to say that these competitions have welcomed over 200 startups around the globe since its launch in 2020, featuring their winning solutions that are the result of creative approaches to solving problems with artificial intelligence and machine learning across several domains, from agriculture and healthcare to smart cities.

Seizo Onoe
Director of the Telecommunication Standardization Bureau
International Telecommunication Union

Table of contents

Foreword ii

Acronyms vi

1 Executive Summary 1

2 Introduction 1

3 Sustainable Development Goals 3

4 Startup Benefits 3

5 Startup Journey 4

6 Selection Process 4

7 Spotlight on Startup Success 6

8 AI for Good Innovation Factory: 2024 8

8.1 AI for Good Innovation Factory Grand Finale 8

8.2 Meet The Top North America Entrepreneur Finalists 2024 10

8.3 AI for Good Innovation Factory 2024 live pitching session 10

8.4 Meet the Robotics for Good startups advancing sustainable development – 2nd session 11

9 AI for Good Innovation Factory: 2023 12

9.1 Meet the Robotics for Good startups advancing sustainable development – 1st session 12

9.2 AI/ML solutions for Climate Change Innovation Factory live pitching session – Part 2 13

9.3 AI/ML solutions for Climate Change Innovation Factory live pitching session – Part 1 14

9.4 Innovation Factory Grand Finale 2023 15

9.5 Robotics for Good Grand Finale 16

9.6 Meet The Top US/Silicon Valley Entrepreneur Finalists 2023 17

9.7 AI for Good Innovation Factory 2023; The Road to the Grand Finale – 2nd Session 18

9.8 AI for Good Innovation Factory 2023 The Road to the Grand Finale – The 1st Session 18

9.9 Meet the Robotics for Good startups advancing sustainable development – 3rd session 19

9.10 Meet the Robotics for Good startups advancing sustainable development – 2nd session 19

10 AI for Good Innovation Factory: 2022 20

10.1 AI for Good Innovation Factory – Grand Finale 2022 20

10.2 Meet the Robotics for Good startups advancing sustainable development (1st session) 21

10.3 Meet the African startups innovating agriculture 22

10.4 AWS special session: Next-generation innovations in agricultural technology 23

10.5 Meet startups improving the access and affordability of healthcare services 24

10.6 Startups decarbonizing agriculture and forestry sectors 25

10.7 Experience Switzerland's thriving AI startup ecosystem 25

10.8 Meet the Africa-based AI startup innovations 26

10.9 Explore startups making our cities safe, clean and sustainable 27

11 AI for Good Innovation Factory: 2021 28

11.1 Innovation Factory Grand Finale 28

11.2 Live pitching session: The top US/Silicon Valley entrepreneur finalists 29

11.3 AWS Special Session Climate Change and AI: Startups innovating new industry solutions 30

11.4 Asia Series 2: Rising AI startups in Thailand & Vietnam 30

11.5 Asia Series 1: Explore the Malaysian Innovations 31

11.6 Innovation Factory Live pitching session 32

11.7 AI for Good Innovation Factory Live pitching session 32

11.9 Live pitching session: Meet AI for Good African startups 33

11.10 AI for Good Innovation Factory Live pitching session 34

11.11 Experience Russia's thriving AI startup ecosystem – Live pitching session 35

12 AI for Good Innovation Factory: 2020 35

12.1 AI for Good Innovation Factory – Grand Finale 2020 35

12.2 Silicon Valley's thriving AI for Good startup – Live pitching session 37

12.3 Experience Estonia's thriving AI startup ecosystem – Live pitching session 37

12.4 AI for Good Innovation Factory – Live pitching session 38

12.5 AI for Good Innovation Factory – Live pitching session 39

12.6 AI for Good Innovation Factory – Live pitching session 39

12.7 AI for Good Innovation Factory – Live pitching session 2 40

12.8 AI for Good Webinar Series. Innovation Factory Episode 1: COVID-19: Combining crowdsourcing and AI to tackle the pandemic 41
12.9 AI for Good Innovation Factory – Live pitching session 1 41
13 Conclusion 42

List of figures and tables

Figures

Figure 1: Visual representation of finalist startups per region 2
Figure 2: Visual representation of SDGs addressed by finalist startups 3
Figure 3: Visual representation of benefits for startups 4
Figure 4: Visual representation of the steps for the startup's application 4
Figure 5: Taylor Shead, Founder and CEO of Stemuli receiving the winner award from Seizo Onoe, TSB Director at ITU 9
Figure 6: Melissa Fayer, Advisor at Ultrasound AI, receiving the winner award from Seizo Onoe, TSB Director at ITU 15
Figure 7: Presenting the awards to the winner of Innovation Factory, Telebionix 20
Figure 8: Presenting the awards to the winner of Innovation Factory, DoctorOnCall 28
Figure 9: Presenting the awards to the winner of Innovation Factory, Greyparrot 36

Tables

Table 1: Pre-screening Questions for AI for Good Innovation Factory 5
Table 2: Evaluation scoresheet AI for Good Innovation Factory 5

Acronyms

AgriTech / AgTech	Agricultural Technology
AI	Artificial Intelligence
API	Application Programming Interface
AML	Anti-Money-Laundering
CRNS	Cosmic Ray Neutron Sensing
EdTech	Education Technology
FinTech	Financial Technology
ICT	Information and Communications Technology
IoT	Internet of Things
IF	Innovation Factory
MedTech	Medical Technology
ML	Machine Learning
MRV	Monitoring, Reporting, and Verification
MVP	Minimum Viable Product
NLP	Natural Language Processing
SaaS	Software as a service
SDG	Sustainable Development Goal
TSB	Telecommunication Standardization Bureau
VC	Venture Capital
VoIP	Voice over Internet Protocol

1 Executive Summary

The AI for Good Innovation factory has since its launch in 2020 emerged as a key pitching and acceleration platform for AI startups from all corners of the world. These ventures address critical challenges of society, cross-cutting across all sectors. The selection of the finalist startups is a rigorous process that ensures the highest quality of innovations. With a growing startup community over the years, the Innovation Factory's ambition is to identify practical solutions using AI, scale those solutions for global impact, and advance the SDGs.

Starting out online in 2020, the AI for Good Innovation Factory gradually moved towards in-person events and brought diversity to its content direction too. Different geographically focused events allowed to highlight innovative AI startups from various countries and regions. This included country-specific pitching sessions for Estonian and the United States-based startups in 2020 and 2021, as well as one highlighting the Swiss startup scene in 2022. It also brought in regional focuses on African startups on several occasions, and a special Asian Series dedicated to rising AI startups in Malaysia and Thailand in 2021. The thematic focus had been on AI-driven solutions to solve global challenges, sector-specific explorations included startups developing AI-powered robotics solutions, being prominently featured in 2023, and AgriTech, HealthTech, and sustainable cities AI innovations in 2022.

At the annual AI for Good Global Summit, the winning startups from the year-round pitching sessions were invited to pitch their solutions at an exciting live event to an expert panel of judges that evaluated their pitches and products based on a detailed scorecard that yields the greatest potential for growth and scalability. Each year, the most promising AI venture was awarded for its creative solution that help advance the achievement of the United Nations' SDGs.

The development of the Innovation Factory as a global competition and platform for AI startups shows the continued interest and belief in the power of AI for Good. Through fostering innovation and competition, the Innovation Factory supports and encourages AI startups all around the world to use their entrepreneurial spirit to contribute a sustainable future for all.

2 Introduction

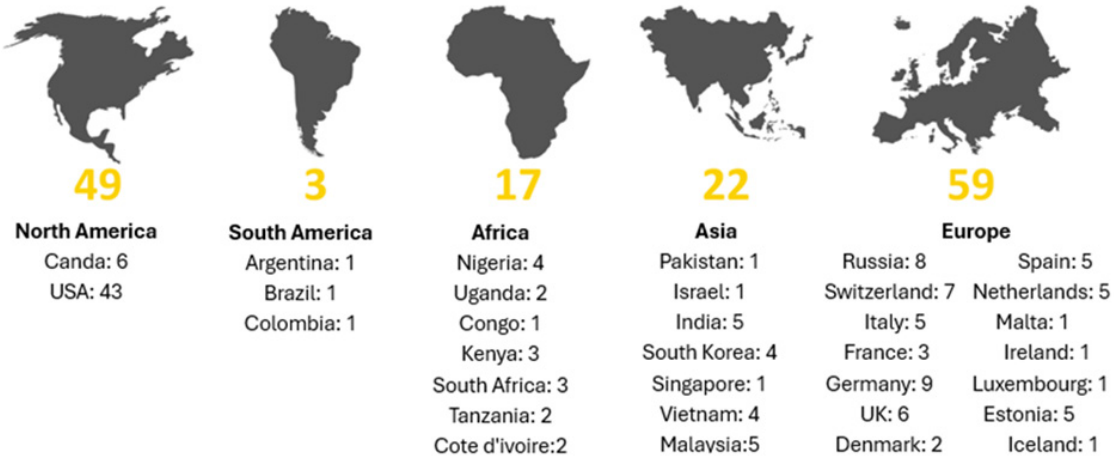
The AI for Good Innovation Factory is the leading United Nations (UN) based startup pitching and acceleration platform that helps startups grow and scale their innovative Artificial Intelligence (AI)-powered solutions to address challenges of the Sustainable Development Goals (SDGs). Organized by the International Telecommunication Union (ITU), it offers multiple opportunities for startups including global pitching, funding connections, top-tier mentoring, mentoring experiences, exclusive events access, speaking opportunities, participation in partner startup acceleration programs, networking with global leaders, and media exposure.

The platform attracts hundreds of startups annually, who apply to participate in monthly online or in-person pitching sessions. These sessions feature startups from around the globe. Through dedicated sessions focused on specific regions, countries, or sectors such as agriculture, climate, energy, healthcare, and smart cities, the top startup solutions are chosen by a live panel of judges.

Open to any startup leveraging AI, machine learning (ML), and advanced algorithms to further the UN SDGs, the platform connects finalists with renowned AI experts, VCs, accelerators, and thought leaders to help scale their solutions globally.

Since the launch of the Innovation Factory in 2020, the AI for Good platform has attracted over 1,000 applications from startups across more than 150 countries, aiming to participate in various AI for Good Innovation Factory events. Over 200 startups, selected by a panel of judges, have been featured in live pitching competitions. The Innovation Factory has had finalists from 34 countries, including 49 startups from North America, 3 from South America, 17 from Africa, 22 from Asia, and 59 from Europe.

Figure 1: Visual representation of finalist startups per region



Read more here.

3 Sustainable Development Goals

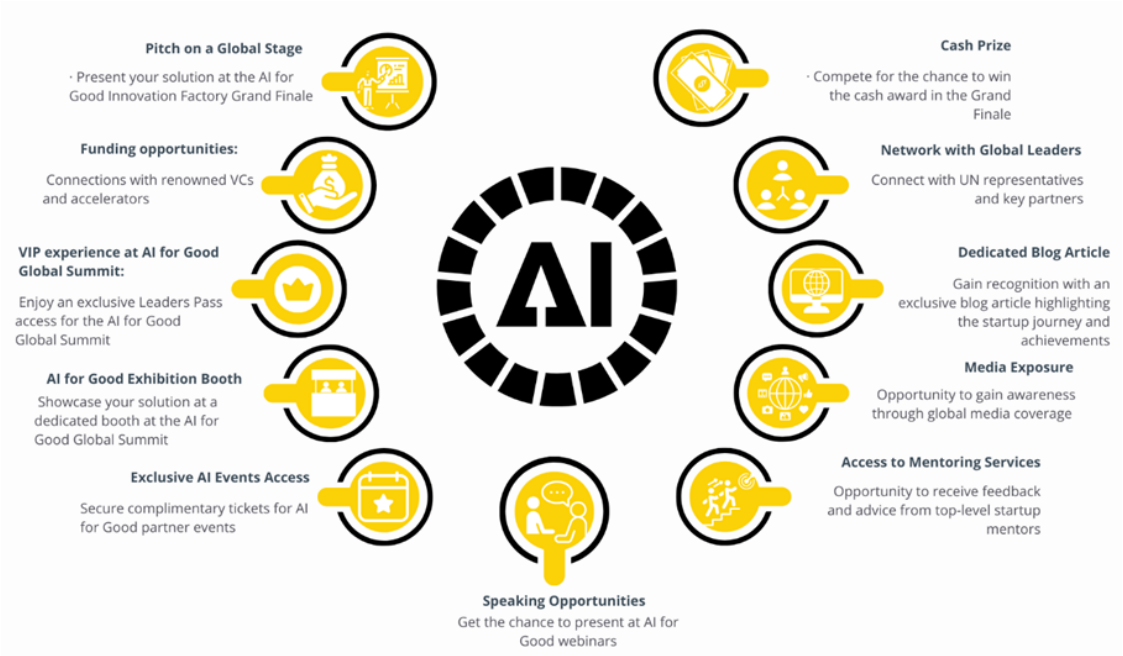
The AI for Good Innovation Factory is dedicated to harnessing the power of AI to advance the United Nations Sustainable Development Goals (SDGs). Every finalist startup plays a crucial role in contributing to one or more of these goals. Over the past four years, the AI for Good Innovation Factory has attracted a diverse array of startups, each offering groundbreaking solutions designed to help achieve the SDGs. Below is an overview of the percentage of SDGs that the finalists have focused on during this period.

Figure 2: Visual representation of SDGs addressed by finalist startups

4 Startup Benefits

The AI for Good Innovation Factory serves as a platform for evaluating and nurturing promising AI-focused startups. Through this initiative, standout teams are offered access to various acceleration programs, as well as opportunities for investment and strategic partnerships. Each month, the top-performing team from the pitching sessions earns the chance to compete in the AI for Good Innovation Factory Grand Finale, held during the AI for Good Global Summit in Geneva, Switzerland. This prestigious event showcases the most innovative solutions, providing a global stage for the brightest AI-driven ideas.

Figure 3: Visual representation of benefits for startups



5 Startup Journey

Figure 4: Visual representation of the steps for the startup's application

Step 1: Monthly AI for Good Innovation Factory Pitching Sessions

Startups fill out the application form for a monthly online or in-person pitching session. Selected startups deliver a 5-minute pitch followed by a 10-minute Q&A session with a panel of judges, who evaluate which startups will advance to Step 2.

Step 2: Follow-up Accelerating Program

The best teams will be given

- matchmaking and partnership-building sessions with interested UN partners and/or governments
- mentoring sessions and investment opportunities by accelerators and/or VCs
- dedicated blog article
- fast-track access to a partner's acceleration program (if applicable)

Step 3: AI for Good Innovation Factory Grand Finale

The finalist startup of each monthly pitching session will get access to the AI for Good Innovation Factory Grand Finale during the AI for Good Global Summit, the final demo event where startups pitch to a panel of investors, VCs, and philanthropists for potential funding. The final winner gets a full package of prizes including special media exposure.

6 Selection Process

The selection process for the AI for Good Innovation Factory is designed to be both comprehensive and fair, ensuring that each startup application is thoroughly evaluated.

Pre-screening questions include:

Table 1: Pre-screening Questions for AI for Good Innovation Factory

Categories	Selection Questions
AI Use	Does the startup effectively use artificial intelligence as a core component of its product or service?
Alignment with SDGs	Does the startup contribute to at least one of the 17 SDGs through its AI-driven solutions?
Operational Status	Has the startup been registered and operational for at least 6 months?
Funding Cap	Has the startup received less than 1 million USD in funding?
Team Composition and Gender Equality	Does the team composition reflect a commitment to gender equality?
Online Presence	Does the company have a functional website that is clearly evident from their application? Does the company demonstrate an active online presence through visible social media pages?
Tangible Progress for Early-Stage Startups	Can the startup demonstrate concrete evidence of service or product development, such as prototypes, beta versions, or a Minimum Viable Product (MVP)?
Business Plan and Objectives	Does the startup have a well-defined, consolidated, and validated business plan with clearly articulated objectives?
Presentation Quality	Does the startup provide a clear and persuasive presentation that describes the business idea, target market, business model, and team?

After the screening process, each startup is evaluated according to several key criteria, with a specific weighting factor applied to each item based on its significance in the overall evaluation. Each criterion is scored on a scale ranging from very poor (1) to excellent (5). This approach ensures a thorough and consistent assessment, identifying the startups with the greatest potential.

Table 2: Evaluation scoresheet AI for Good Innovation Factory

Categories	Explanations
Company Mission and Vision	How meaningful is the impact of the startup solution to address critical sustainable development issues?
Partnerships, Alliances, and Channels	Has the startup carefully considered the route to market as well as alliances and partnerships?
Uniqueness of Value Proposition	How clear, compelling, and unique is the startup value proposition?
Security	How well is security considered and built in?
Problem	Does the startup clearly identify problems? Are the problem and need real? Is it big enough to tackle?

Table 2: Evaluation scoresheet AI for Good Innovation Factory (continued)

Categories	Explanations
Market Analysis	How well does the startup identify and understand the target market? How big is the market's growth potential?
Monetization Strategy	Is there a clear plan on how the startups intends to generate revenue and achieve financial sustainability?
Growth	Do they have clear growth strategies with a detailed roadmap for growth and scaling up? How feasible are these strategies?
Technology	How well is the AI used for their solution? Does the startup demonstrate careful consideration of AI-based risks in solutions design and steps to mitigate potential risks identified, including a clear plan for addressing potential AI biases? How mature is the startup technology?
Capacity Building and Collaborative Potential	Is the startup open to sharing non-proprietary learnings and best practices? Does the startup plan to transfer knowledge to the local tech community? Is the startup committed to building local AI talent through training or internship programs? Is the startup willing to collaborate with other startups, researchers, and academic or research institutions within the AI ecosystem?
Alignment to SDGs	How well aligned is the company to the SDGs?
Team	Is the team capable of making the idea into action?

7 Spotlight on Startup Success

The Innovation Factory has been a catalyst for growth and achievement among its participants. Each year, the winning startups emerge stronger, leveraging the resources and opportunities provided by the program to achieve significant milestones and successes in their ventures. These success stories highlight the transformative impact of the Innovation Factory on promising startups, propelling them toward sustainable growth and market leadership.

Stemuli, the winner of the 2024 Innovation Factory has been featured on NBC and successfully secured over $3.25 million in seed funding to further develop its innovative 3D game-based platform, designed to engage students by making learning as immersive and exciting as playing a video game.

"Stemuli was the best use case of AI for Good this year,"

Founder and CEO Taylor Shead said.

"In 2024 what I want to show is it's time to take women and minorities seriously, and this award couldn't be a better embodiment of what that looks like."

(continued)

Ultrasound AI is the winner of the 2023 Innovation Factory.

"It is our mission to improve the lives of women and babies around the world regardless of their ability to pay or where they live. As the CEO of Ultrasound AI, I strongly believe you must say what you do and do what you said,"

said the CEO of Ultrasound AI, Pamela Bonnett. Ultrasound AI had much success, including distributing its software to a government hospital in Ghana, aiming to enhance the healthcare of babies and women globally.

Telebionix, the winner of the 2022 Innovation Factory, has continued to revolutionize healthcare by creating advanced AI-driven, clinical-grade remote devices that allow elderly individuals to receive high-quality care from the comfort of their homes. The company's innovation earned them a Bronze Recognition on Pepperdine Graziadio Business School's fourth annual Most Fundable Companies® List.

DoctorOnCall, the winner of the 2021 Innovation Factory is Malaysia's first telehealth platform. It thrived during the COVID-19 pandemic and continues to thrive by setting a global example for telehealth services in the post- pandemic era. Through its partnership with Merchantrade Asia, users of the Merchantrade Money application will be able to purchase medication safely and conveniently, receive convenient delivery, and access online consultations with accredited doctors and an e-pharmacy.

Greyparrot, the winner of the 2020 Innovation Factory**,** pioneers AI waste analytics to revolutionize global recycling efforts. Since winning the Innovation Factory Grand Finale, the U.K. startup has engaged in multiple collaborations, including partnerships with Bollegraaf, Waste Robotics, and VAN DYK. It continues to expand its collaborations to work with various companies and organizations in efforts to manage recycling efforts for a cleaner planet.

(continued)

OKO Finance is recognized as a leading insurance company across 7 countries, including Angola, Ivory Coast, Mali, Mozambique, Senegal, Togo and Uganda.

"The idea emerged as I was working in Papua New Guinea for a life insurance product distributed via mobile phones. A drought hit the country and most customers suddenly stopped paying as they lost their main source of income, which came from agriculture. I realized that the tool that I was successfully using to distribute life insurance could be adapted to distribute crop insurance and change the lives of millions of vulnerable people,"

said Simon Schwall. OKO Finance has secured funding from Mercy Corps Ventures and has participated in Microsoft for Startups Israel's AI for Good Accelerator Program.

Bioniks, the winner of the "Meet the Robotics for Good start-ups advancing sustainable development – 2nd Session" is a social enterprise, that leads the way in pioneering innovative solutions for individuals with disabilities, offering AI-powered, affordable bionic limbs. The prosthetics are made with cutting-edge technology, custom-designed, cost-effective, and non-invasive, revolutionizing accessibility for all. Since winning, Bioniks has made news all around the world for its inclusive prosthetics, including at The Friday Times, Arab News PK, and the Gulf News.

8 AI for Good Innovation Factory: 2024

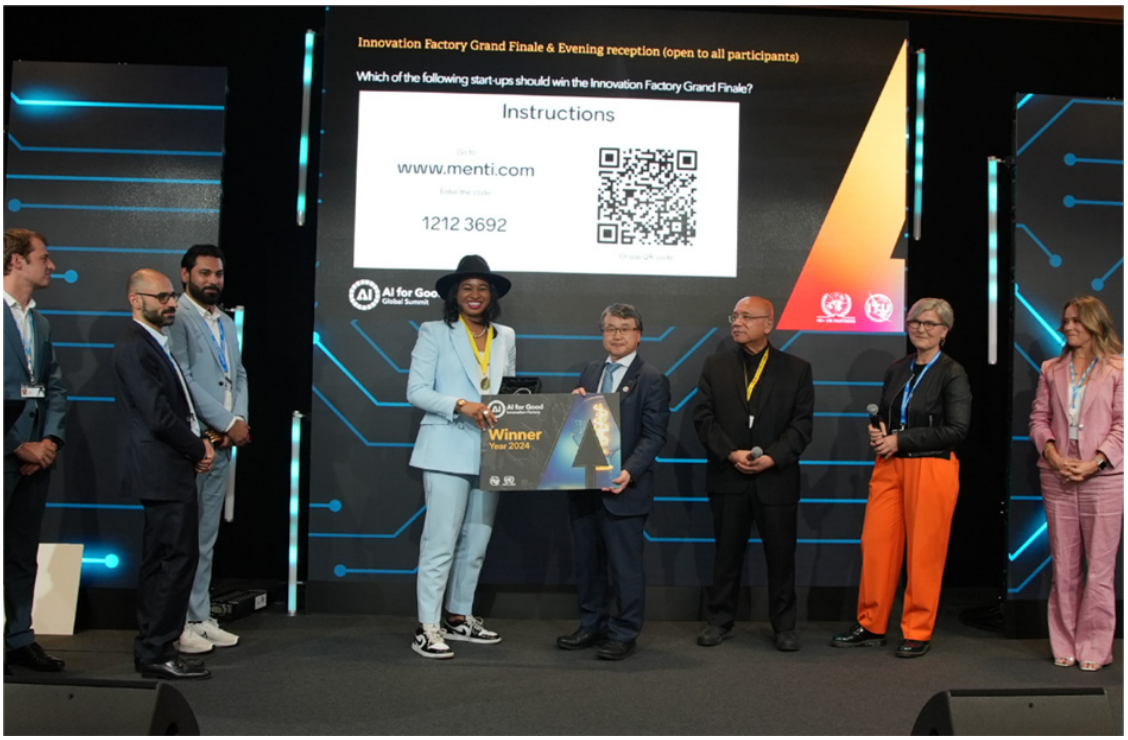
8.1 AI for Good Innovation Factory Grand Finale

Geneva, Switzerland, 30 May 2024

At the AI for Good Global Summit, the AI startup Stemuli with their ground-breaking generative metaverse gaming EdTech platform was declared the winner of the Innovation Factory Grand Finale in Geneva, Switzerland.

The year-long awaited Innovation Factory Grand Finale was launched with opening remarks by Her Royal Highness Princess Beatrice from the United Kingdom and an innovative opening demonstration of a football match carried out by two teams of humanoid robots – NomadZ, from ETH Zurich.

Figure 5: Taylor Shead, Founder and CEO of Stemuli receiving the winner award from Seizo Onoe, TSB Director at ITU



Moderators:

- **Pascale Davies**, Senior Tech Reporter, Euronews
- **Brandon Andrews**, Co-Founder, Gauge

Startups:

- **Stemuli**: A generative gaming platform that redefines continuous learning through immersive experiences and personalized pathways. Stemuli helps individuals discover careers, learn academic and workforce skills, and have fun with their peers in an engaging open world. With only 18% of K-12 curriculum aligning with workforce needs and 86% of economically disadvantaged students lacking post-secondary credentials, the platform addresses critical gaps in the current education system. Read more here.
- **Bioniks**: Bioniks is a social enterprise striving to facilitate humanity in every field of life. It is a symbol of hope for the individuals with disabilities – giving them a helping hand in the form of prosthetics. Artificial limbs or prosthetic limbs produced by Bioniks are the most advanced available in Pakistan. Read more here.
- **Finapp**: Finapp has designed and patented the next generation of Cosmic Ray Neutron Sensing (CRNS) probes that use cosmic rays to measure water without contact, on a large-scale, in depth and continuously. This is the Finapp revolution: particle physics at the service of environmental sustainability. Read more here.
- **Wandercraft**: Wandercraft, featured on The Robot Report, develops, manufactures and markets autonomous walking exoskeletons. The first version, Atalante, was commercialized in 2019 and is used by rehabilitation and neurology hospitals in Europe and the USA. Atalante offers many patients innovative care based on realistic, hands-free multidirectional locomotion. Read more here.

Judges:

- **Heidi Bianca Roddenberry**; Board Chair, Roddenberry Foundation

- **Ulrike Tagscherer**; Chief Innovation Officer, KUKA
- **Seizo Onoe**; Director of the TSB, ITU
- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital

8.2 Meet The Top North America Entrepreneur Finalists 2024

Online, 17 April 2024

Moderators:

- **Carlo Tortora Brayda di Belvedere**, Executive Chairman, National Ai and Cyber Security ISAO
- **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU

Startups:

- **Stemuli** (winner): A generative gaming platform that redefines continuous learning through immersive experiences and personalized pathways. Stemuli helps individuals discover careers, learn academic and workforce skills, and have fun with their peers in an engaging open world. With only 18% of K-12 curriculum aligning with workforce needs and 86% of economically disadvantaged students lacking post-secondary credentials, the platform addresses critical gaps in the current education system. Read more here.
- **ASD.me**: ASD.me leverages telehealth technology to provide parents with safe, secure, HIPAA-compliant autism evaluations and access to financial services, and by diagnosing sooner, we reduce the lifelong cost of care.
- **SWORN**: SWORN is a technology system that improves health, readiness and performance. SWORN utilizes advanced AI and data analytics to track the dynamic stressors that come with each schedule and workload. This helps people build from experiences and habits that drive growth and resilience while identifying and countering those that degrade mind, body and spirit.
- **Caspar AI**: Caspar's AI provides over 20 health & wellness markers with actionable insights to streamline the care plan process and improve staff efficiency. Caspar's generative AI uses multi-modal data like motion, activity, and vitals from ambient sensors to deliver 24/7 monitoring, personalized healthcare, and early escalation of potential health issues.
- **GuidewireRx**: GuidewireRx is a physician-driven company, leveraging vast clinical and imaging data with AL/ML to provide valuable, data-driven solutions. GuidewireRx's products directly support clinicians and healthcare organizations to optimize disease recognition, improve disease surveillance/management and elevate treatment to achieve superior clinical outcomes.

Judges:

- **Luca Ferraro**; Global Sustainability Lead, Cisco
- **Wen-Wen Lam**; Investment Partner, Gradient Ventures
- **Cyndi Tetro**; Founder and CEO, IdeaCloud

8.3 AI for Good Innovation Factory 2024 live pitching session

Online, 19 March 2024

Moderators:

- **Pascale Davies**, Senior Tech Reporter, Euronews
- **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU

Startups:

- **Voiceitt**: Voiceitt has developed speech recognition for non-standard speech: opening the world of voice technology for people with speech disabilities, aging adults, and accented speakers. Read more here.
- **Relearn**: ReLearn is an innovative company which aims to turn waste into a resource using AI. Using NANDO, their first zero-waste monitoring tool, you can track and measure the waste produced, putting your community at the center of your environmental footprint reduction. Read more here.
- **SoundX**: SoundX combines AI with vibration packs to deliver real time sound treatment with no sensible latency. Pushing back the limits of accessibility, the d/Deaf community can now open the doors of any concert hall, cultural center, stadium, and gaming.
- **Intrare**: Intrare is a platform that helps companies maximize their revenue by efficiently managing recruitment processes. It is the AI product that automates personnel selection and helps recruiters fill vacancies with great speed and offering the best experience to candidates.
- **Nobi**: Nobi is AI-driven, life-saving care technology disguised as a stylish lamp, which detects, prevents and predicts falls, providing peace of mind for everyone.

Judges:

- **Jaqueline Kigma**; Investment Associate, FINCA Ventures
- **Sarah Storelli**; Worldwide Public Sector Marketing Leader, AWS
- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Joseph K. Hopkins**; Senior Managing Partner at The IPRESTIGE Emerge Fund LLC, and CEO, Fallingst Technologies LLC

8.4 Meet the Robotics for Good startups advancing sustainable development – 2nd session

Online, 20 February 2024

Moderators:

- **Matt Oguz**, Founding General Partner, Venture Science
- **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU

Startups:

- **Bioniks**: Bioniks is a social enterprise striving to facilitate humanity in every field of life. It is a symbol of hope for the individuals with disabilities – giving them a helping hand in the form of prosthetics. Artificial limbs or prosthetic limbs produced by Bioniks are the most advanced available in Pakistan. Read more here.
- **Tatum Robotics**: Tatum Robotics is a leading assistive technology company dedicated to bridging the communication gap for DeafBlind individuals, an underserved population in the assistive tech space. Deafblindness, a combination of hearing and vision loss, affects more than 2-3 million people in the United States. The T1, Tatum's signature product, is the first-of-its-kind robotic hand that translates English text communications into tactile American Sign Language (ASL).
- **Valkim Technologies**: Valkim Technologies was created to support technology adoption in a safe, reliable manner with an emphasis on the inspection industry. With more than 25 years of leadership in business development for Fortune 500 companies, Valkim has a proven history of successfully discovering and cultivating new market opportunities,

launching emergent product lines, and developing client partnerships to elevate corporate and brand identities.

- **Emovo Care**: Emovo develops accessible assistive devices to bring movement home for people with motor impairments. Their first product is a portable orthosis that actively open and close the hand for people with limited hand function. The core technology behind the device is based on patent-protected artificial tendons.

Judges:

- **Andreas Keibel**; Business Development Manager, KUKA
- **Betsy Mulé**; Investor, F-Prime Capital
- **Cyril Ebersweiler**; General Partner, Founder and Venture Capitalist, SOSV
- **Thomas Ryden**; Executive Director, MassRobotics
- **Ryan Wang**; Co-Founder and General Partner, Outpost Capital

9 AI for Good Innovation Factory: 2023

9.1 Meet the Robotics for Good startups advancing sustainable development – 1st session

Online, 7 November 2023

Moderators:

- **Matt Oguz**, Founding General Partner, Venture Science
- **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU
- **Josh Choi**, Director of Business Development, Korea Startup Forum

Startups:

- **Wandercraft**: Wandercraft, featured on The Robot Report, develops, manufactures and markets autonomous walking exoskeletons. The first version, Atalante, was commercialized in 2019 and is used by rehabilitation and neurology hospitals in Europe and the USA. Atalante offers many patients innovative care based on realistic, hands-free multidirectional locomotion. Read more here.
- **Aquaai**: Aquaai is a technology firm that believes everyone should have access to environmental data. Hitting nine of the SDGs, Aquaai technology is 3-fold, data, a software platform & a robot fish. Our unique bio-inspired fishlike AUV collects visual and environmental data, which is delivered in real time to an online dashboard offering customers an end-to-end solution called 'FaaS', fish-as-a-service.
- **GiveMove**: The Genotype-Informed Versus Empiric Management Of VirEmia (GIVE MOVE) randomised clinical trial assesses the clinical impact and cost-effectiveness of genotypic resistance testing of HIV to inform clinical management in HIV-positive children and adolescents whose treatment is failing to control the virus. This research project will assess if routine, early resistance testing yields a clinical benefit for children and adolescents with HIV viraemia in resource-limited settings in Southern and East Africa (Lesotho and Tanzania).
- **Energy Robotics**: Energy Robotics provides an end-to-end solution for autonomous inspections in capital-intensive industries such as oil & gas, chemical, power and utilities. Their hardware-agnostic software platform enables asset owners to easily manage a fleet of robots and drones for autonomous inspection. They equip robots and drones to collect high quality data and use AI driven analytics to convert it into actionable information.

With over 80 robots deployed across 4 continents, our team of robotics wizards is already transforming industrial operations.

Judges:

- **Micaelah Morrill**; VP of Business Development, MassRobotics
- **Hui Zhang**; CTO, KUKA
- **Ludovic Copéré**; Senior Investment Director, Sony Ventures
- **Bruce Leak**; Founding Partner, Playground Global

9.2 AI/ML solutions for Climate Change Innovation Factory live pitching session – Part 2

Online, 19 October 2023

Moderator: **Thomas Basikolo**, Programme Officer at AI for Good, ITU

Startups:

- **Bloom Africa**: Bloom Africa is a Ghanaian startup that utilizes cutting-edge AI technology, including NLP and custom models, to deliver advanced analytics in agricultural systems, providing insights through natural language and employing AI-IoT for enhanced forecasting in the face of climate change challenges. Read more here.
- **ixo**: The ixo Protocol defines a new standard for making Verifiable Impact Claims to measure and report on how people and organisations are changing the state of the world, using high-definition data as evidence.
- **Yoharvest**: Yoharvest is revolutionizing the agriculture sector by empowering marginalized farmers, especially women and youth, with direct access to premium markets, finance, and resources. Their digital agriculture marketplace fosters financial inclusion and promotes climate-resilient farming practices to combat the challenges of climate change.
- **MayhIA**: MayhIA uses AI and advanced technologies to enhance global water mapping, aiming to address issues like shortages and pollution. Our solution provides decision-makers and local communities with essential information through a user-friendly app, promoting better water management, risk reduction, and access to clean water. The mobile/web application integrates real-time alert systems to monitor data and ongoing analyses. By employing AI, we can quickly process images to assess the surface area of watercourses, improving the efficiency of water resource management.
- **SI Analytics**: SI Analytics is a solution and platform provider for Satellite Image Analytics based on AI. SI Analytics has been a proven provider of geo-information solution & platform for defense and intelligence. Read more here.
- **Evidence Based Research Network**: The Evidence-Based Research Network (EBRNetwork) aims to promote no new research studies without prior systematic review of existing evidence and efficient production, updating, and accessibility of systematic reviews.

Judges:

- **Jennifer Woodard**; Co-founder, Insikt Intelligence
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

9.3 AI/ML solutions for Climate Change Innovation Factory live pitching session – Part 1

Online, 9 October 2023

Moderator: **Thomas Basikolo**, Programme Officer at AI for Good, ITU

Startups:

- **Finapp**: Finapp has designed and patented the next generation of Cosmic Ray Neutron Sensing (CRNS) probes that use cosmic rays to measure water without contact, on a large-scale, in depth and continuously. This is the Finapp revolution: particle physics at the service of environmental sustainability. Read more here.
- **Franck Alibinet & Yi Peng**: Frank Alibinet's passion for innovation drives his research into the potential of AI in soil science, particularly for remediating agricultural land affected by nuclear accidents. Complementing this endeavor is Yi Peng, a highly skilled scientist specializing in multivariate data analysis, chemometrics, soil spectroscopy, digital soil mapping, geospatial modeling, remote sensing, and land use planning. Together, their expertise and dedication promise significant advancements in addressing complex environmental challenges.
- **The Big Wild**: The Big Wild is a nonprofit organization aiming to be the fastest, most cost-efficient provider of wildlife data that rapidly speeds up access to accurate wildlife conservation data. They work as a non-competitive, collaborative network, partnering with organizations in the Travel & Tourism industry and technology for wildlife conservation community, all with the mutual goal of ending the sixth mass extinction.
- **Poseidon AI**: Poseidon AI's story originates from the concern of farmers losing a big chunk of their saving in aqua feed, which amounts up to 60-80% of the overall cost per year, whereas there is surely an imbalance in this equation, and it is a collapsing business model from many farmers in SEA. With solution for feed optimization, Poseidon AI is saving 15-20% of the feed by carefully applying advanced sensors and AI driven algorithms to manage a sustainable aquaculture farm. Read more here.
- **TOLBI**: e-Tolbi can monitor millions of hectares of plantations in real time with their AI-based tool and satellite imagery to estimate and predict yields, calculate input needs (fertilizers, seeds), and anticipate risks related to climate hazards, diseases, and pests. Read more here.
- **Agriculture Environmental Living Lab (AGRI-ELL) Project**: By bringing research directly into the field and collaborating with farmers, landowners, and communities, they are co-creating sustainable land management strategies. They develop practical approaches utilizing advanced AgriTech and sensor technology to provide rapid, real-world data, enabling timely and precise application for productive, sustainable, and healthy landscapes.
- **AI Radiance**: AI Radiance is an AI-based software that utilizes advanced data collection methods, including infrared spectroscopy, gamma spectrometry, and satellite imagery, to accurately estimate soil properties over large areas. This approach offers greater efficiency and precision compared to traditional methods. Additionally, the software can map and monitor soil moisture, aiding in irrigation planning and water resource management.

Judges:

- **Jennifer Woodard**; Co-founder, Insikt Intelligence
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

9.4 Innovation Factory Grand Finale 2023

Geneva, Switzerland, 7 July 2023

At the AI for Good Global Summit, the world-leading solution from Ultrasound AI emerged as the winner of the Innovation Factory startup competition.

Ultrasound AI is a ground-breaking platform that utilizes the power of artificial intelligence to identify and analyze characteristics of pregnant women, to reduce the instance of pre-term pregnancies. This solution emerged as the winner of the US/Silicon Valley Entrepreneur Finalists in 2023.

A total of five startups joined ITU in Geneva to pitch, in four minutes, their solutions to global challenges to a panel of judges. From tackling global air pollution, one of the largest problems impacting people around the world, to health startups treating arthritis or improving X-ray diagnostics, these startups showed the power of AI to bring action on sustainability.

Figure 6: Melissa Fayer, Advisor at Ultrasound AI, receiving the winner award from Seizo Onoe, TSB Director at ITU

Moderator: **Josh Choi**, Director of Business Development, Korea Startup Forum

Startups:

- **Ultrasound AI**: Unlike traditional methods that assume a 40-week pregnancy, Ultrasound AI's AI model is specifically designed to offer precise and individualized predictions based on unique factors. This ensures tailored care for every pregnancy, reducing the risk of unexpected outcomes. Ultrasound AI is driven by a passion for cutting-edge technology and a commitment to making a positive impact on the world. Their AI-driven predictions pave the way for safer pregnancies, healthier babies, and happier families. Read more here.

- **Breeze Technologies**: Air pollution affects more than 90% of the world's population. Breeze Technologies supports organisations to create better clean air action plans with the power of the IoT and AI.
- **ROPCA**: ROPCA automates the process of ultrasound imaging and image assessment. The platform ARTHUR, with the included artificial intelligence product DIANA, present a solution, to both the increasing number of RA patients, the hospital cost, and the lack of specialists. Read more here.
- **Promedius**: Promedius pioneers the most advanced breakthroughs with AI in age-related conditions, including osteoporosis. PROS CXR: OSTEO is the world's first screening solution that utilizes chest X-ray images to identify patients who may be at risk of osteoporosis. This technology aims to proactively tackle the challenges of osteoporosis by enabling timely identification of potential patients at risk.
- **Sensegrass**: Sensegrass builds soil intelligence systems for nutrients and carbon management in agriculture. It is the first farm operating system for agriculture analytics for personal recommendation and better decision-making.

Judges:

- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Mostafa Gado**; Venture Developer, FoundersLane
- **Adria Dunn**; Philanthropist & Author, The Vine
- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital

9.5 Robotics for Good Grand Finale

Online, 30 May 2023

Moderators:

- **Matt Simon**, Science Journalist, Wired
- **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU

Startups:

- **ROPCA**: ROPCA automates the process of ultrasound imaging and image assessment. The platform ARTHUR, with the included artificial intelligence product DIANA, present a solution, to both the increasing number of RA patients, the hospital cost, and the lack of specialists. Read more here.
- **cycleWASH**: cycleWASH offers robotics & AI supported cleaning systems and is well known for advanced bicycle washing systems. Based on the type of bike, cycleWASH uses AI to adjust the cleaning parameters of the machine such as time and amount of detergent.
- **Needleye Robotics**: Needleye is a startup providing biopsy and needle-based therapy through AI-powered robotics. The system that Needleye proposes is a small AI-guided robot to carry out biopsy or focal treatment of prostate cancer. Their product combines the power of AI, ML, and robotics to help radiologists and urologists minimizing the diagnostic error and achieve a speedy and effective therapy. Read more here.
- **CleanRobotics**: CleanRobotics is building intelligent waste management systems using AI and robotics to empower a sustainable future.
- **Earth Rover**: Earth Rover is revolutionising the world of agriculture using smart innovative technologies, AI and robotics.

Judges:

- **Thomas Ryden**; Executive Director, MassRobotics
- **Ulrike Tagscherer**; Chief Innovation Officer, KUKA
- **Will Foss**; Venture Investor, Harbor Light Advisors
- **Merav Weinryb**; VP and Managing Director, Qualcomm Ventures
- **Kelly Chen;** Partner, DCVC

9.6 Meet The Top US/Silicon Valley Entrepreneur Finalists 2023

Online, 15 May 2023

Moderator: **Josh Choi**, Director of Business Development, Korea Startup Forum

Startups:

- **Ultrasound AI**: Unlike traditional methods that assume a 40-week pregnancy, Ultrasound AI's AI model is specifically designed to offer precise and individualized predictions based on unique factors. This ensures tailored care for every pregnancy, reducing the risk of unexpected outcomes. Ultrasound AI is driven by a passion for cutting-edge technology and a commitment to making a positive impact on the world. Their AI-driven predictions pave the way for safer pregnancies, healthier babies, and happier families. Read more here.
- **PerceivAI**: PerceivAI is an AI-driven precision medicine company developing a multimodal prognostic platform to forecast disease progression in age-related disorders. Their forecasts provide new tools to physicians for improved patient care and to pharmaceutical companies for faster drug development.
- **Snark Health**: Snark Health is the next generation of healthcare built around the Doctor-Patient relationship. They help patients improve their access to healthcare and lower their cost of care, and help doctors make more money through the Hippocratic Coin® alternative payment model with "data as a common resource" using blockchain technology, liquidity pools and a trusted payment network, without the need for governmental or commercial healthcare insurance.
- **NOBL Media**: Programmatic advertising has been plagued by lack of transparency, fraud and brand safety issues. NOBL's patented technology evaluates each page before advertisers bid and selects only credible, high-quality content that is more likely to be read and trusted.
- **Matrix Holograms**: The Boston-based EdTech start-up Matrix Holograms spun-out from Massachallenge's IBM mentorship program in Spring 2022. Founded by Stephanie Soetendal in November 2022 with one goal: to democratize an elite education and deliver it at scale through AI powered Holographic avatars. With rapid new developments in AI and hologram technology, that vision is now a reality available for US public schools students and developing nations.

Judges:

- **Ji Fang**; Founder and CEO, Divinia
- **Joshua Schachter**; Venture Investor, Founder, Tasty Labs & Delicious
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO

9.7 AI for Good Innovation Factory 2023; The Road to the Grand Finale – 2nd Session

Online, 12 May 2023

Moderator: **Josh Choi**, Director of Business Development, Korea Startup Forum

Startups:

- **Promedius**: Promedius pioneers the most advanced breakthroughs with AI in age-related conditions, including osteoporosis. PROS CXR: OSTEO is the world's first screening solution that utilizes chest X-ray images to identify patients who may be at risk of osteoporosis. This technology aims to proactively tackle the challenges of osteoporosis by enabling timely identification of potential patients at risk.
- **Brahm Earth**: BrahmEarth provides cutting-edge indoor farming and environmental monitoring services tailored to your needs. Read more here.
- **AdaViv**: Adaviv partners with growers to navigate the complexity of cultivation with lean methodologies driven by recent advances in AI so growers can focus business decisions, differentiate and achieve sustained profitability.
- **Breeze Technologies**: Air pollution affects more than 90% of the world's population. Breeze Technologies supports organisations to create better clean air action plans with the power of the IoT and AI.

Judges:

- **Nour Riad**; Marketing, Communications and Engagement Manager, FONGIT
- **Mostafa Gado**; Venture Developer, FoundersLane
- **Vitaly Kleban**; Co-founder and CTO, Everynet

9.8 AI for Good Innovation Factory 2023 The Road to the Grand Finale – The 1st Session

Online, 28 April 2023

Moderator: **Josh Choi**, Director of Business Development, Korea Startup Forum

Startups:

- **Sensegrass**: Sensegrass builds soil intelligence systems for nutrients and carbon management in agriculture. It is the first farm operating system for agriculture analytics for personal recommendation and better decision-making.
- **Procyan**: Procyan strives to provide learner-friendly services using AI and innovative technologies so that learning can be presented tailored to the individual.
- **Talov Studio**: Talov designs accessible technology for everyone, especially for people with disabilities. Talov's apps are: SpeakLiz, a powerful AI communication tool, designed as a complete solution for the worldwide deaf community. Vision, using AI in real time to identify objects, money, colors, approximate distances, read text, and more; all through a phone's camera and optimized for working with VoiceOver and TalkBack in up to 48 languages. Read more here.
- **Scrapays**: Scrapays empowers individuals to thrive in recycling through our digital infrastructure, fostering efficiency, traceability, and profitability. Their integrated technologies enable the growth of mini-recycling businesses, serving households and businesses alike. By valuing every step of the recycling process, we merge Recycling, Technology, and Finance, paving the way for the future of 'Recycling as a Business'.

Judges:

- **Nour Riad**; Marketing, Communications and Engagement Manager, FONGIT
- **Mostafa Gado**; Venture Developer, FoundersLane
- **Vitaly Kleban**; Co-founder and CTO, Everynet

9.9 Meet the Robotics for Good startups advancing sustainable development – 3rd session

Online, 11 April 2023

Moderator: **Guillem Martínez Roura**, AI and Robotics Programme Officer, ITU

Startups:

- **ROPCA**: ROPCA automates the process of ultrasound imaging and image assessment. The platform ARTHUR, with the included artificial intelligence product DIANA, present a solution, to both the increasing number of RA patients, the hospital cost, and the lack of specialists. Read more here.
- **cycleWASH**: cycleWASH offers robotics & AI supported cleaning systems and is well known for advanced bicyle washing systems. Based on the type of bike, cycleWASH uses AI to adjust the cleaning parameters of the machine such as time and amount of detergent.
- **IDEASCANNER**: IDEASCANNER Software as a Service (SaaS) provides leaders and founders a digital tool for analyzing and improving business ideas by themselves at their fingertips.

Judges:

- **John Walsh**; Founder and CEO, Red Summit
- **Sandra Skaff**; Senior Alliances and Ecosystem Manager, NVIDIA
- **Hiroaki Kitano**; CEO, Sony AI
- **Pascale Fund**; Director of the Centre for AI Research, Hong Kong University of Science and Technology

9.10 Meet the Robotics for Good startups advancing sustainable development – 2nd session

Online, 13 March 2023

Moderator: **Pascale Davies**, Senior Tech Reporter, Euronews

Startups:

- **Needleye Robotics**: Needleye is a startup providing biopsy and needle-based therapy through AI-powered robotics. The system that Needleye proposes is a small AI-guided robot to carry out biopsy or focal treatment of prostate cancer. Their product combines the power of AI, ML, and robotics to help radiologists and urologists minimizing the diagnostic error and achieve a speedy and effective therapy. Read more here.
- **WeTechFood**: WeTechFood believes that increasing productivity will change how commercial kitchens are currently operating. Introducing CLX4, the new Restaurant Kitchen Robot that improves KPIs monitoring and makes it possible to experience a remarkable improvement by reducing waiting time in kitchen and eliminating human related costs.

- **CleanRobotics**: CleanRobotics is building intelligent waste management systems using AI and robotics to empower a sustainable future.
- **Somnox**: Somnox is on a mission to help 100 million worldwide achieve better sleep by 2030. Their patented technology provides users with a science-backed sleep companion to relieve feelings of stress and anxiety, resulting in deeper, more restful sleep. Somnox is known for inventing the world's first technology that leverages biofeedback and breathwork to accelerate the process of falling asleep.

Judges:

- **Timo Landener**; Head of Innovation & Portfolio Management, Swisslog
- **Joyce Sidopoulos**; Co-founder and COO, MassRobotics
- **Jasper Verbunt**; CEO and Founder, Redkiwi
- **Ryan Wang**; Co-founder and General Partner, Outpost Capital

10 AI for Good Innovation Factory: 2022

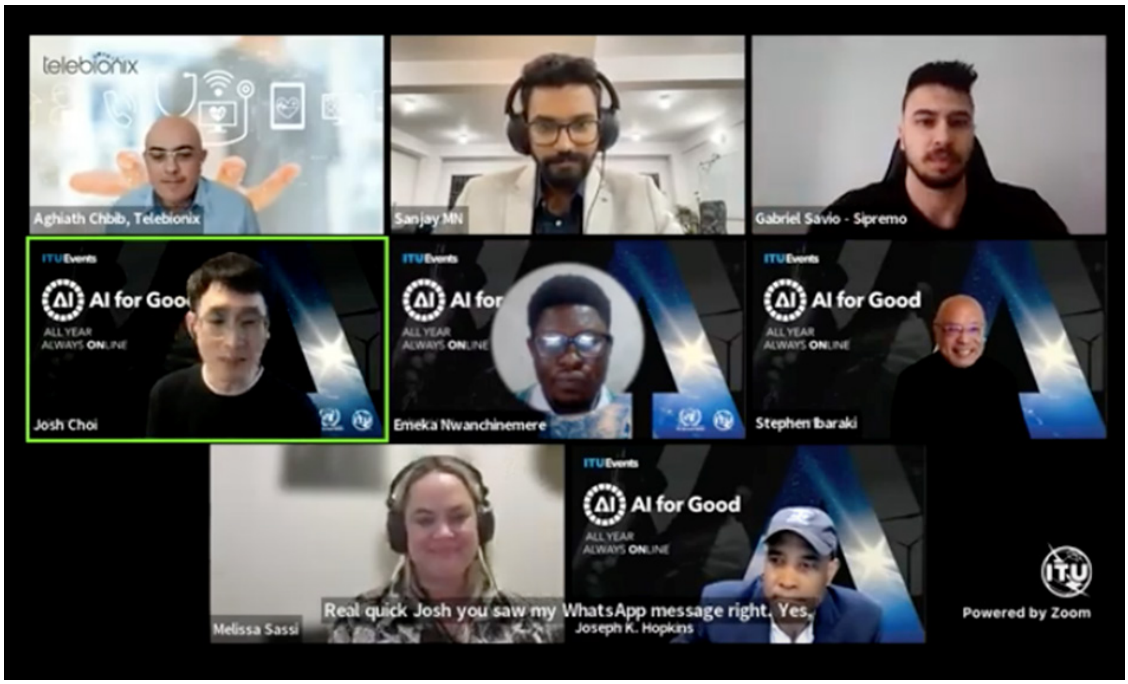
10.1 AI for Good Innovation Factory – Grand Finale 2022

Online, 5 December 2022

After a year-long quest to find the most promising AI for Good startups from across the globe and industries, the Innovation Factory Grand Finale will award five winners for their innovative and scalable solutions to help advance the achievement of the United Nations' Sustainable Development Goals (SDGs).

During this exciting live event, five entrepreneurs had the chance to present their solutions before a jury of experts who will evaluate their pitches and select the top winner. This year, the public also voted for their favorite solution.

Figure 7: Presenting the awards to the winner of Innovation Factory, Telebionix



Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Telebionix**: Telebionix is revolutionizing healthcare by developing smart, AI-driven, clinical-grade remote devices designed for ease of use and accessibility. This technology enables the elderly and individuals with limited mobility to receive high-quality healthcare from the comfort of their homes, extending reach to remote and underserved communities globally.
- **Blue Sea Robotics**: Shipping vessels consume 5% of global petroleum. BlueSea Robotic Solutions addresses this issue with its patented autonomous cleaning robot, which can save up to 20% of fuel—equivalent to removing one-fifth of all American vehicles from the road. By utilizing AI, BlueSea schedules and cleans ship hulls during voyages, preventing the spread of invasive species in port cities. Additionally, their AI technology predicts and identifies maintenance needs, enabling more efficient repairs and maintenance. BlueSea's innovations save millions of tons of CO2 emissions, protect ports from contamination, and reduce maintenance fuel costs by over $3 million per ship annually. Read more here.
- **Kitovu Technology Company**: Kitovu's mission is to help African Farmers escape poverty by building and deploying climate-smart farming and post-harvest infrastructure to enable them to maximize their yield. Kitovu Technology Company provides African smallholder farmers with the data to make smart decisions about what to grow that would sell and how to grow them optimally, so as to enable them to make more money off their farms through yield improvement and reduced post-harvest losses.
- **Brahm Earth**: BrahmEarth provides cutting-edge indoor farming and environmental monitoring services tailored to your needs. Read more here.
- **Sipremo**: Sipremo anticipates and monitors weather events and natural disasters to provide intelligent, proactive decisions. Sipremo's AI accurately identifies where, when and what event will occur well in advance, and predicts the impact on your operation. This creates unique windows of opportunity, allowing you to prepare in advance, mitigate risks, avoid losses and even capitalize on predicted scenarios. Read more here.

Judges:

- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC & CEO, Fallingst Technologies LLC
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

10.2 Meet the Robotics for Good startups advancing sustainable development (1st session)

Online, 10 November 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Blue Sea Robotics**: Shipping vessels consume 5% of global petroleum. BlueSea addresses this issue with its patented autonomous cleaning robot, which can save up to 20% of fuel—equivalent to removing one-fifth of all American vehicles from the road. By utilizing AI, BlueSea schedules and cleans ship hulls during voyages, preventing the spread of invasive species in port cities. Additionally, their AI technology predicts and identifies maintenance needs, enabling more efficient repairs. BlueSea's innovations save millions of tons of CO2

emissions, protect ports from contamination, and reduce maintenance fuel costs by over $3 million per ship annually. Read more here.

- **Audite Robotics**: The Audite UV-C Hybrid Robot stands as the sole 2-in-1 autonomous solution for disinfection and infection prevention available on the market. This innovative robot uniquely combines air disinfection through an advanced air filtration system with surface disinfection using six external UV-C light bulbs. This dual functionality ensures that every room treated by the Audite UV-C Hybrid Robot meets the highest standards of disinfection, providing unparalleled assurance and safety.
- **Earth Rover**: Earth Rover is an innovative agri-tech startup revolutionizing one of humanity's oldest and most vital industries. Leveraging cutting-edge robotics, AI, and deep learning, our mission is to ensure widespread access to fresh, chemical-free produce that is both accessible and affordable for everyone.
- **Restful Robotics**: Untreated Obstructive Sleep Apnea (OSA) is a significant global health issue, compounded by a long-term non-compliance rate of 60% with the current gold standard treatment, continuous positive airway pressure (CPAP). The primary reasons for this non-compliance are claustrophobia associated with falling asleep wearing a mask and the tendency for semi-conscious mask removals during sleep. To address these challenges, Restful Robotics developed RoboPAP, the first robotic CPAP system that enables patients to fall asleep naturally without the need for masks, head straps, or hoses.

Judges:

- **Mostafa Gado**; Venture Developer, FoundersLane
- **Vincent Vanhoucke**; Senior Director of Robotics, Google DeepMind
- **Kate Darling**; Research Specialist, MIT
- **David Hanson**; CEO and Founder, Hanson Robotics

10.3 Meet the African startups innovating agriculture

Online, 4 October 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Kitovu Technology Company**: Kitovu Technology Company empowers African smallholder farmers by providing climate-smart farm and post-harvest infrastructure to enhance productivity and profitability. Leveraging data science and remote sensing, our digital platform offers personalized agronomic advice, including precise fertilizer recommendations, weekly crop health audits, and insights based on water stress and meteorological data. At harvest, we connect farmers to guaranteed markets for immediate sales or offer effective storage solutions for selling at higher prices later.
- **DRAZO Logistics**: DRAZO Logistics was established to address the inefficiencies in Uganda's commodity supply chain by creating a seamless mobile platform that directly connects farmers with transporters and buyers. The primary focus is to accelerate economic development and sustainable growth in Uganda through optimized delivery processes. Conducting business in Africa presents unique challenges, particularly in delivering essential goods and services to end consumers. Logistics is crucial in sustaining and improving the livelihoods of citizens.
- **SmartPlant AI**: SmartPlant AI is a digital mobile application using AI & ML to facilitate plant analysis with prevention for farmers and access to micro-loans for local smallholders.
- **Basket Ecommerce**: Basket Ecommerce is an innovative AgriTech/FinTech platform designed to revolutionize the supply chain and logistics for smallholder farmers and informal traders. Their seed-to-market e-marketplace digitizes these processes, offering farmers essential data to better understand and manage their post-harvest stages.

- **Grekkon Limited**: Grekkon Limited, founded in Nairobi, Kenya in 2013, is a proudly African firm established by seasoned agricultural experts dedicated to addressing the farming needs of African farmers. Since its inception, Grekkon has expanded its reach and successfully undertaken projects in Kenya, Nigeria, Somalia, Tanzania, and Uganda. The company specializes in innovative irrigation and greenhouse technologies, including the construction of dryers, supply of soilless growing media, seedling trays, and mulching papers. Grekkon also offers comprehensive services such as drip and sprinkler irrigation systems, greenhouse and shade house construction, pump installations, dam lining, and borehole drilling.

Judges:

- **Zahoro Muhaji**; CEO, Tanzanian Startup Association
- **Vitaly Kleban**; Co-founder and CTO, Everynet
- **Melissa Tickle**; Investment Manager, FINCA Ventures

10.4 AWS special session: Next-generation innovations in agricultural technology

Online, 11 July 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **xFARM**: xFarm Technologies is a leading tech company dedicated to the digital transformation of the agri-food sector, providing innovative tools that enhance the management capabilities of farmers and stakeholders. Their offerings include farm management apps, connected sensors, support for digital transformation projects, agriculture-specific algorithms, and comprehensive training programs for the entire sector. With a commitment to improving agricultural practices globally, xFarm Technologies supports 80,000 farms across over 30 supply chains, covering 1 million hectares in more than 100 countries.
- **Precision AI**: At Precision AI, our mission is to revolutionize farming practices with cutting-edge artificial intelligence, creating healthier, more profitable, and more sustainable farms. The advanced drones and bespoke AI technology enable decision-making at the individual plant level, transforming an industry traditionally reliant on broad-scale solutions. This innovation integrates seamlessly with current agricultural technology and helps design the next generation of machines that will feed the world.
- **AdaViv**: AdaViv is rapidly advancing towards creating plant-level intelligence for the lean, profitable, digital farms of the future. The Lean Cultivation™ Platform, designed for greenhouse and indoor farming operations, utilizes our proprietary machine-vision system, intuitive mobile apps, and powerful analytics to boost yields and reduce costs. By automating tedious tasks, the platform provides growers with unparalleled visibility and remote oversight of their plants and workforce.
- **Bloomfield Robotics**: Crop cultivation demands accurate, precise, and consistent inspection both in the field and elsewhere. While some crops require occasional inspection, others, like cannabis and grapes, necessitate more frequent and detailed examination. Traditionally, crop inspection is a manual process conducted by trained experts. However, this method faces challenges such as the time and effort required, the difficulty in finding qualified inspectors, and the need for consistent, precise, and accurate data across multiple inspectors. Bloomfield leverages AI and deep learning to enhance the work of crop inspectors by identifying and assessing the same plant characteristics and anomalies that human visual inspection targets. This technology ensures more

efficient and reliable crop inspections, complementing human expertise with advanced AI capabilities.

Judges:

- **Will Sami**; Founder & CEO, Water Foundry
- **Deepam Mishra**; Senior Advisor, AWS Startups
- **Kimberly Nelson**; COO, True Elements
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC & CEO, Fallingst IPRESTIGE Emerge Fund LLC

10.5 Meet startups improving the access and affordability of healthcare services

Online, 8 July 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Telebionix**: Telebionix is revolutionizing healthcare by developing smart, AI-driven, clinical-grade remote devices designed for ease of use and accessibility. This technology enables the elderly and individuals with limited mobility to receive high-quality healthcare from the comfort of their homes, extending reach to remote and underserved communities globally.
- **SurgiQ srl**: SurgiQ addresses intricate planning challenges related to highly valuable and critical healthcare resources. By leveraging AI-based planning algorithms, SurgiQ has developed specialized applications that significantly improve complex resource planning. The company is now introducing its technology as a cloud-based engine, seamlessly integrating it into products and services from key partners.
- **Heka Digital Technologies**: The Heka AI platform gathers and monitors users' vital signs to enable early detection and timely intervention, enhancing healthcare outcomes and preventing complications and premature deaths among individuals with non-communicable diseases. By running predictive analysis on patient data, the AI identifies warning signs and issues alerts to both patients and their assigned physicians, prompting necessary actions. For instance, a hypertensive patient wearing an Apple Watch can have their vital signs synchronized with our mobile app, facilitating continuous monitoring of their blood pressure and heart rate.
- **Diagnosoft Healthcare Ltd**: Diagnosoft is a pioneering HealthTech startup that leverages AI and machine learning models to diagnose diseases from medical imaging scans with remarkable accuracy. The value proposition lies in our ability to detect abnormalities in under 5 seconds, compared to the 30 minutes typically required by radiologists. This rapid, high-accuracy detection significantly reduces misdiagnosis rates, ultimately saving lives and lowering medical claim costs for hospitals. Diagnosoft's advanced deep learning models specialize in predicting and diagnosing conditions such as brain tumors, brain and chest trauma, and tuberculosis from scanned images.

Judges:

- **Jon Hunt**; Executive Vice President, HeartBeam
- **Ahmed Fadl**; Program Consultant, Village Capital
- **Sasha Cahill**; Digital Health Technologies & Serial Entrepreneur, PX Pulse
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

10.6 Startups decarbonizing agriculture and forestry sectors

Online, 10 June 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Brahm Earth**: Brahm Earth offers a cutting-edge solution for monitoring and optimizing agricultural inputs and outputs, enhancing yield while minimizing environmental impact. Utilizing AI, Brahm Earth delivers insights that prevent excessive manure use, avert crop damage, and accurately predict yield quality and quantity. Read more here.
- **Bloompool**: Bloompool assists farmers in cultivating crops using a water-nutrient mixture, integrating AI and robotics to optimize the process. This approach significantly reduces reliance on high-carbon-emitting machinery and fertilizers. Sensors collect data and transmit it to a central computer, enabling farmers to take informed actions or allowing programmed robots to execute tasks based on predefined logic.
- **Secure Forests CIC**: Secure Forests CIC designs and implements comprehensive forest security programs that blend data-driven enforcement with community involvement and actions against illegal trade. Their Forest Domain Awareness System employs both above-canopy sensors, like satellites, and below-canopy sensors, such as the Guardian acoustic sensor. The Guardian leverages AI technology to monitor forest sounds, identifying frequencies indicative of illegal activities, like chainsaw use. Upon detecting such sounds, the system sends real-time alerts to rangers via a mobile app, enabling informed decisions on appropriate responses, such as deploying patrols or drones to investigate the area. Each Guardian sensor covers a 3.5km acoustic range.
- **Chemotronix**: Chemotronix facilitates the transfer of farm waste to biofuel companies through a dedicated platform that connects farmers with biofuel producers. Leveraging data gathered from this process, Chemotronix employs AI to forecast methane and nitrous oxide emissions, aiding in the strategic planning of a path to net-zero emissions.
- **INVESTIV**: INVESTIV is an Ivorian AgTech company focused on enhancing agricultural conditions across Côte d'Ivoire and West Africa through precision agriculture. Artificial intelligence plays a pivotal role across our operations, enabling precise plant and tree counting, as well as assessing air quality. In agriculture, the identification of diseases specific to various plants is crucial; by leveraging AI, we achieve enhanced accuracy in disease identification and management.

Judges:

- **Sreenivas Raghavendran**; Gamechanger/Commercial Partnerships Manager, Shell
- **Lynette Tan**; Global Head of Marketing, Pricing and Digital, Shell
- **Eric White**; Head of Tech for SDGs, World Economic Forum

  Josef Kienzle; Agricultural Engineer, United Nations Food and Agricultural Organization

10.7 Experience Switzerland's thriving AI startup ecosystem

Online, 2 June 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **ZYTLYN**: Zytlyn offers a cutting-edge prediction technology platform designed to assist companies in navigating their critical retailing and e-commerce challenges. The flagship product, ZYTLYN Demand Forecast, is tailored to deliver predictive capabilities

across various sectors including airlines, travel agencies, airports, hotels, car rentals, retailers, and luxury brands. Powered by global data and advanced Machine Learning technology, our Prediction Platform empowers customers to optimize decision-making by forecasting demand trends effectively. Collaborating closely with our clients, we are reshaping industries such as aviation, travel, hospitality, tourism, finance, and beyond. We continuously seek talented individuals to join us on this transformative journey. Read more here.

- **Social Lab**: Social Lab revolutionizes mental health by enhancing capacity and efficacy to uplift the well-being of children and their families. This comprehensive tool integrates activity monitoring, treatment suggestions, and expert matching, all centered around patient needs. AI constitutes the foundational technology underpinning our core services. Across our three main product dimensions—matching, treatment, and tracking—they leverage AI and ML models to deliver impactful solutions. This includes a rapid routing and recommendation engine for triaging and specialist matching, leveraging AI-driven recommendation engines rooted in top-tier mental health expertise to instantly recommend treatments via AI chatbots employing natural language processing (NLP) and semantic analysis for text and audio inputs, and utilizing tabular prediction and recommendation for enhanced monitoring of patient health activities, particularly for parental oversight.
- **Transmutex**: Transmutex is dedicated to addressing the enduring challenge of nuclear waste, which poses a barrier to advancing carbon-free nuclear energy innovation. The approach integrates cutting-edge research validated at CERN, leveraging particle accelerators to pioneer waste transmutation and promote the production of carbon-free nuclear energy. This transformative technology aims to revolutionize the landscape of climate change mitigation by combining industrial-scale production with rapid infrastructure deployment. With a commitment to achieving industrial-scale implementation within a decade, Transmutex aims to accelerate progress in combating climate change.
- **Lakera**: Lakera's development platform empowers computer vision developers with essential tools to create robust AI systems. The solutions enhance transparency in development processes, accelerate iteration cycles, and ensure the delivery of reliable computer vision applications.

Judges:

- **Kelan McDonnell**; Marketing, Communications, Events and Community Manager, FONGIT
- **Vitaly Kleban**; Co-founder and CTO, Everynet
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC, and CEO, Fallingst Technologies LLC

10.8 Meet the Africa-based AI startup innovations

Online, 3 May 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **OKO Finance**: OKO offers automated crop insurance tailored for smallholder farmers across Africa, accessible via any mobile device. Leveraging AI technology, OKO utilizes satellite weather data and imagery to accurately forecast crop losses caused by droughts and floods. Read more here.
- **ALONE Group (ATA Solution)**: ALONE Group has pioneered ATA Solution, a comprehensive system comprising sensors linked to a dashboard that empowers farmers with real-time data to optimize their plantations and enhance yields. Using advanced artificial intelligence, this network of sensors facilitates land diagnostics, and continuous

plantation monitoring, and provides invaluable agricultural insights for implementing best farming practices.

- **ANML FARM**: ANML FARM offers state-of-the-art data capturing and prediction tools designed to enable users to effortlessly record and access their animals' information anytime and anywhere. The platform facilitates tracking of animal growth to minimize losses and optimize revenue generation.
- **Lacoona**: Lacoona provides comprehensive legal, regulatory, and business support tailored for startups and SMEs, catering to founders and business owners who prioritize a solid operational base. This technology integrates end-to-end functionality: it begins by analyzing user concerns through natural language processing algorithms, identifies optimal solutions using decision-making algorithms and artificial intelligence, and guides users through step-by-step procedures. Additionally, Lacoona offers document automation for drafting, submitting, storing, and accessing relevant documents, all managed through a centralized portal. This platform allows businesses and supply chain partners to access ongoing metrics, ensuring streamlined operations and compliance management.
- **Mipango**: Mipango is an innovative personal finance and robo-advisory app designed for the unbanked, as well as software for Financial Institutions to empower users in managing their finances. The platform offers personalized financial advice and recommendations tailored to each user's unique financial situation. Using advanced AI, Mipango analyzes users' income and expenses to generate actionable insights aimed at achieving financial goals, maintaining monthly budgets, and fostering active saving and investment habits. The AI-driven advisory system also assesses users' current utilization of formal financial products against their financial needs and goals. It then identifies pre-qualified financial products such as loans, bank accounts, insurance, and mortgages, recommending those that align best with the user's objectives, optimizing both speed and cost-effectiveness.

Judges:

- **Nick Bradshaw**; Founder and CEO, AI Media Group
- **Melissa Tickle**; Investment Manager, FINCA Ventures
- **John Kamara**; Serial Entrepreneur and Founder, AI Center of Excellence Africa

10.9 Explore startups making our cities safe, clean and sustainable

Online, 1 April 2022

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Sipremo**: Sipremo anticipates and monitors weather events and natural disasters to provide intelligent, proactive decisions. Sipremo's AI accurately identifies where, when and what event will occur well in advance, and predicts the impact on your operation. This creates unique windows of opportunity, allowing you to prepare in advance, mitigate risks, avoid losses and even capitalize on predicted scenarios. Read more here.
- **Bonang AI**: The platform is an end-to-end AI system designed to detect and track vehicles as well as pedestrians and to estimate a safety metric for an intersection. Object tracking recognizes the same object across successive frames, giving the ability to estimate trajectories and speeds of the objects. The platform also detects collisions and near misses. A real time dashboard visualizes the intelligence extracted from the traffic intersection along with annotated video stream(s).This collected intelligence can be used to adjust traffic lights to optimize the traffic flow of the intersection, or to evaluate and enhance the safety of the intersection by allowing emergency services notifications, such as calls to the police or armed response, to be triggered by collision detection or break ins, reducing emergency response times.

- **tMonitor**: tMonitor is a unique solution that brings insights of all 13 air quality indexes, using IoT and ML for both real time monitoring of air quality and emergency response to crisis in indoor working environment where there are high density of people like factories, hospitals, schools, shopping malls, and indoor public spaces.
- **Sentient**: Sentient creates eyes and brains for agricultural robots, advanced machines, and intelligent systems to automate labor-intensive, and repetitive tasks such as continuous scouting and monitoring. We help small/medium technology companies to quickly spot anomalies, diseases, nutrient deficiencies, and efficiently harvest crops.

Judges:

- **Anamaria Meshkurti**; Head of Marketing, Communications and Engagement, FONGIT
- **Katja Schäfer**; Smart Cities Flagship Programme Lead, UN-Habitat
- **Gary Stewart**; Co-founder and CEO; The Nest
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies

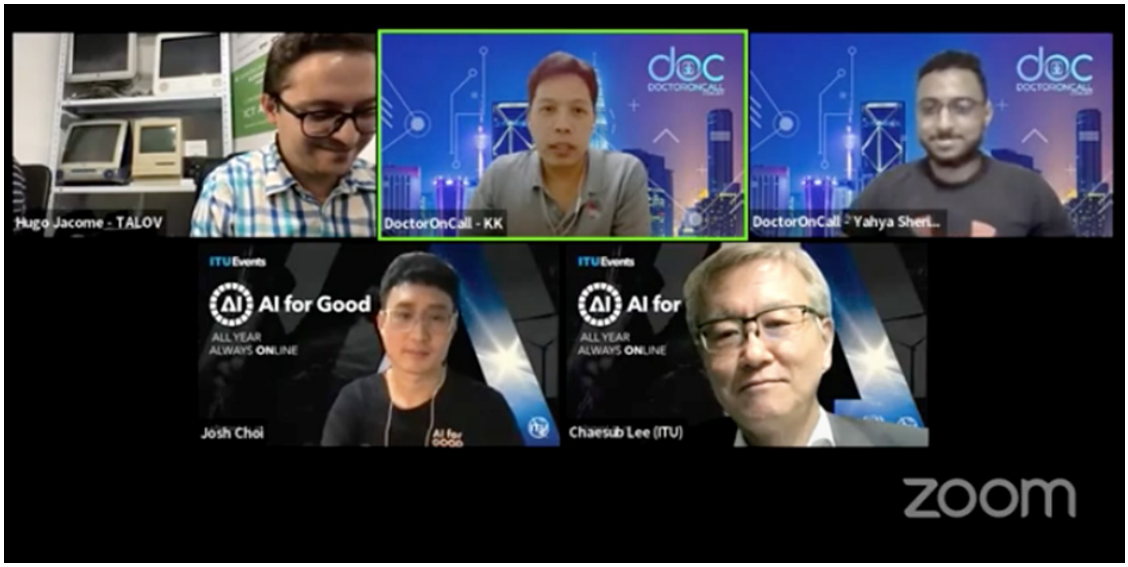
11 AI for Good Innovation Factory: 2021

11.1 Innovation Factory Grand Finale

Online, 9 December 2021

After a year-long quest to find the most promising AI for Good startups from across the globe, the Innovation Factory Grand Finale awarded five winners for their innovative and scalable solutions to help advance the achievement of the United Nations' Sustainable Development Goals (SDGs).

Figure 8: Presenting the awards to the winner of Innovation Factory, DoctorOnCall



Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **DoctorOnCall**: DoctorOnCall is Malaysia's first online Medical Video-consultation platform that combines advanced video and voice technologies with the medical knowledge and experience of Malaysia's top doctors. The concept has been proven successful with millions of patients in US, Australia & Europe who are now being treated through Medical Video-consultation. Read more here.
- **Kettle**: Kettle uses AI to build smarter insurance products that better protect people from catastrophic events being exacerbated by climate change.
- **Talov Studio**: Talov designs accessible technology for everyone, especially for people with disabilities. Talov's apps are: SpeakLiz, a powerful AI communication tool, designed as a complete solution for the worldwide deaf community. Vision, using AI in real time to identify objects, money, colors, approximate distances, read text, and more; all through a phone's camera and optimized for working with VoiceOver and TalkBack in up to 48 languages. Read more here.
- **Afya Rekod**: AfyaRekod is a secure blockchain-driven health platform that allows individuals to store their health and medical information, engage with doctors, interact with verified health information, and access tools that will support their well-being and enhance their health so they can enjoy rich, fulfilling lives.
- **Rydesafely**: RydeSafely is a road safety solution for the future of autonomous driving. The platform tests and quantifies the safety of a client's driving software and identifies vulnerabilities to improve safety and reliability.

Judges:

- **Sarah Storelli**; Worldwide Public Sector Marketing Leader, AWS
- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO

11.2 Live pitching session: The top US/Silicon Valley entrepreneur finalists

Online, 15 November 2021

Startups:

- **Wizard AI**: Wizard AI quickly and masterfully transforms companies into responsible producers of AI by immediately providing them with org-wide, battle-tested toolkit for AI Robustness, Explainability, and Auditing. This mitigates AI risk and creates trust, peace of mind for data leaders that their ML initiatives are robust, fair, and highly efficient.
- **SAMA**: Sama is the global leader in ethical data annotation and model evaluation solutions for computer vision, generative AI and other major applications of AI.
- **Orcinus International**: Orcinus provides a technology platform to the first fully community-driven Blockchain-powered Officials of Governance in United States History.
- **Vibeonix**: Vibeonix is the ultimate app for developing emotional intelligence. They use AI-powered technology to capture your voice and measure 12 distinct emotions. With the insights you gain, you can learn to better regulate your emotions and foster healthy relationships.
- **CalculAI**: CalculAI helps organizations of all shapes and sizes to become more adaptive, meaningful and human, through application of collective intelligence. CalculAI makes AI work for you and your business by blending cutting edge technologies like AI with behavioral sciences enabling smarter decisions and better outcomes for your customers.

Judges:

- **Sarah Storelli**; Worldwide Public Sector Marketing Leader, AWS
- **Aaron Burciaga**; Lead Data Technologist, Headquarters Marine Corps-Pentagon
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC

11.3 AWS Special Session Climate Change and AI: Startups innovating new industry solutions

Online, 4 November 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Kettle**: Kettle uses AI to build smarter insurance products that better protect people from catastrophic events being exacerbated by climate change.
- **Windborne Systems**: WindBorne's deep learning forecast model, WeatherMesh, creates the most accurate global medium-range weather forecasts in the world. Its AI underpinnings allow it to process both vast training data and live inputs at scale. By instrumenting the environment and advancing forecasts, WindBorne is revolutionizing the Earth's intelligence to make the planet safer and more sustainable for everyone.
- **Verdigris Technologies**: Verdigris brings a change with its advanced sensor technology that installs easily in any building's electrical panels, capturing detailed energy data down to the circuit level. Verdigris' AI algorithms analyze this data, offering clear steps to improve efficiency and reliability of the building's electrical equipment.
- **Webee**: Webee increases the visibility, sustainability, and efficiency of industrial operations. Their patented technology makes it possible to have IoT, AI, and Computer Vision solutions working in hours.

Judges:

- **Jonathan Fellows**; Senior Product Manager, Amazon
- **B Cavello**; Congressional Innovation Fellow, US Senate
- **Allie K. Miller**; Global Head for ML Business Development for Startups and Venture Capital, AWS Professional Services
- **Melissa Tickle**; Investment Manager, FINCA Ventures

11.4 Asia Series 2: Rising AI startups in Thailand & Vietnam

Online, 1 November 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **AltoTech**: AltoTech's AI-driven building automation and control system CERO is a comprehensive building management system that integrates various building systems such as lighting, ventilation, air conditioning, and solar photovoltaics. CERO uses advanced AI algorithms to optimize energy consumption, improve building performance, and enhance the user experience.
- **Matarstars**: Matar Star's mission is to create an easy-to-use clouding logistics management platform that make the job of transporters become more effective and efficient.

- **HRAI**: HRAI is a tech startup developing AI solutions applied to factory management activities such as smart parking, checking labor behavior, timekeeping, and temperature measurement.
- **AUTOPAIR**: From parts manufacturers to dealers and trade, to workshops and fleet operators, AUTOPAIR's solutions help automotive aftermarket players advance their business through the power of digitalization.
- **EM&AI**: EM&AI elevates your call center to the next level with cutting-edge AI Conversation & Voice Analytics, ensuring full quality control for rapid risk detection, and then transferring the most excellent skills to your entire organization, makes the customer experience more effective.

Judges:

- **Jesse Chooi**; Malaysian Digital Economy Corporation (MDEC)
- **Mickaël Mesbauer**; Program Manager; Hatch CoLab
- **Son Young Hong**; Investment Manager, Yellowdog

11.5 Asia Series 1: Explore the Malaysian Innovations

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Online, 29 October 2021

Startups:

- **DoctorOnCall**: DoctorOnCall is Malaysia's first online Medical Video-consultation platform that combines advanced video and voice technologies with the medical knowledge and experience of Malaysia's top doctors. The concept has been proven successful with millions of patients in US, Australia & Europe who are now being treated through Medical Video-consultation. Read more here.
- **SmartPeep**: SmartPeep is an AI health-tech company that develops automated monitoring system to prevent accidents and assist healthcare professionals to respond better towards patients and elderly especially with higher fall risk and low mobility. It helps ease the strain on taking care of the patients and senior residents.
- **Robomy**: Robomy is an information and communication technology (ICT) company with special focus on product development and system integration with AI and cognitive technologies. Our capabilities include hardware and software development, radio frequency system development, custom internet of things (IoT) development and IoT integration. Robomy develops AI systems and generates AI expertise, by developing a deep understanding of algorithms being applied to real-world problems in natural language processing, computer vision, bioinformatics, and more.
- **Ever AI Technologies**: Ever AI Technologies is a technology solutions provider located in Malaysia with the mission to make AI and Blockchain technology more accessible than ever before.
- **Naluri**: Naluri is an evidence-based digital health solution that helps organisations predict, prevent, and manage the leading cardiometabolic and mental health conditions, including heart disease, diabetes, cancer, chronic stress, anxiety, depression, and pain.

Judges:

- **Syarina Hyzah Zakaria**; Associate Director, Iris Capital
- **Bryan Chung**; Advisor, Fidelity Funding
- **Yana Abramova**; Managing Partner, Pretosium Ventures
- **Lorenzo Niola**; Head of Ecosystem Development, Hatch CoLab

11.6 Innovation Factory Live pitching session

Online, 28 September 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **TestAIng**: TestAIng's AiEnsured is a complete testing suite for AI products, the world's first comprehensive testing product for privacy, ethics, and security.
- **Paylend**: Paylend aims at providing financial solutions to communities in Africa. As an innovative fintech company, Paylend is a platform that facilitates credit management and easing the supply chain.
- **Delft Imaging**: Delft Imaging dreams of a world where healthcare is a universal right, not a privilege. Through reliable, cost-effective diagnostic imaging solutions and AI software, Delft Imaging is driving global health transformations, aiming for a universally healthier future with each innovation.
- **TechTics**: On two entrepreneurs' initiative, a team from TU Delft built a prototype of a beach robot, the BeachBot. The robot is specially made to help keep the beaches clean, by cleaning up small litter.The prototype uses a trained image recognition algorithm for machines and can already recognize cigarette butts.

Judges:

- **Mickaël Mesbauer**; Program Manager, Hatch CoLab
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

11.7 AI for Good Innovation Factory Live pitching session

Online, 31 August 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Talov Studio**: Talov designs accessible technology for everyone, especially for people with disabilities. Talov's apps are: SpeakLiz, a powerful AI communication tool, designed as a complete solution for the worldwide deaf community. Vision, using AI in real time to identify objects, money, colors, approximate distances, read text, and more; all through a phone's camera and optimized for working with VoiceOver and TalkBack in up to 48 languages. Read more here.
- **Fieldy**: Fieldy combines satellites, ML, and unique ground data to make reliable predictions and enable informal market's integration into global agricultural chains.
- **Ninjamoba**: Ninjamoba provides conversational AI consulting tailored to empower social initiatives. Their unique approach combines user-friendly chatbots and media adoption programs, enabling you to effectively leverage our tools for maximum impact.
- **Orbisk**: Orbisk is a startup on a mission to make the world's food system more sustainable by using progressive and innovative technology to tackle one of today's biggest challenges: food waste. Their solution provides hospitality organizations with a complete insight into their food waste and helps them cut it in half. For this, Orbisk makes maximum use of recent developments in computer vision and AI.
- **SmartHelio**: SmartHelio, based in Switzerland, is an innovative leader in Predictive Solar Analytics, dedicated to improving the health and efficiency of solar plants worldwide.

With a focus on sustainable practices and cutting-edge analytics, SmartHelio transforms complex solar data into actionable predictions, driving performance and sustainability in the solar industry.

Judges:

- **Melissa Tickle;** Investment Manager, FINCA Ventures
- **Enrique Alvarado Hablutzel**; Partner, Networks Development, Bamboo Capital Partners
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

11.8 AI for Good Innovation Factory Live pitching session

Online, 30 June 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Afya Rekod**: AfyaRekod is a secure blockchain-driven health platform that allows individuals to store their health and medical information, engage with doctors, interact with verified health information, and access tools that will support their well-being and enhance their health so they can enjoy rich, fulfilling lives.
- **Breeze Technologies**: Air pollution affects more than 90% of the world's population. Breeze Technologies supports organisations to create better clean air action plans with the power of the IoT and AI.
- **FarmSpeak**: FarmSpeak provides a poultry management solution to meet the needs of a poultry enterprise of any size.
- **Riddl**: RIDDL is the trusted software for measuring impact & ESGs.
- **We encourage**: We Encourage's AinoAid™ AI-based service to provide psychological support and guidance for anyone affected by domestic violence.

Judges:

- **Yana Abramova**; Managing Partner, Pretosium Ventures
- **Melissa Tickle**; Investment Manager, FINCA Ventures
- **Vera Futorjanski**; Founder & CEO, Veritas Ventures
- **Sasha Cahill**; Digital Health Technologies & Serial Entrepreneur, PX Pulse

11.9 Live pitching session: Meet AI for Good African startups

Online, 1 June 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Curacel**: Curacel, with its AI-powered infrastructure, revolutionizes the insurance landscape. Our advanced APIs facilitate seamless integration for insurers with digital distribution networks, enhancing their ability to administer claims with unprecedented efficiency. As pioneers in the field, we're constructing the foundational rails to elevate insurance access for the next billion people.
- **Scrapays**: Scrapays empowers individuals to thrive in recycling through our digital infrastructure, fostering efficiency, traceability, and profitability. Their integrated technologies enable the growth of mini-recycling businesses, serving households and

businesses alike. By valuing every step of the recycling process, we merge Recycling, Technology, and Finance, paving the way for the future of 'Recycling as a Business'.

- **Nokwary**: Nokwary is an innovative technology company employing AI to create solutions. They are using AI to break barriers to digital access, connect people, and bring convenience to consumers.
- **Cassbana**: Cassbana is a technology solution that builds financial identities for the underserved communities in Egypt through managing their business needs and building a behavior-based scoring system; making us the future data-based financial advisory collective.
- **AirSmat**: AirSmat collaborates with African farmers to assist their partners in fulfilling the increasing need for carbon offsets while also benefitting farmers. AirSmat's MRV tools utilize satellite imagery, soil data, and AI to lower costs and time for soil carbon measurement, while facilitating biochar use for improved soil health and carbon capture.

Judges:

- **Omer Imtiazuddin**; Managing Director, FINCA Ventures
- **Nick Bradshaw**; Founder and CEO, AI Media Group
- **Kayode Oyewole**; Partner, Ventures Platform
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM
- **John Kamara**; Serial Entrepreneur and Founder, AI Center of Excellence Africa

11.10 AI for Good Innovation Factory Live pitching session

Online, 21 April 2021

Moderator: **Josh Choi**, Program Lead at AI for Good, ITU

Startups:

- **Rydesafely**: RydeSafely is a road safety solution for the future of autonomous driving. The platform tests and quantifies the safety of a client's driving software and identifies vulnerabilities to improve safety and reliability.
- **WeVoice**: WeVoice is the leading provider of cloud voice and VoIP systems in the UK. Their goal is to provide the best possible communication solutions for our customers, helping them to stay connected and productive at all times.
- **Sensegrass**: Sensegrass builds soil intelligence systems for nutrients and carbon management in agriculture. It is the first farm operating system for agriculture analytics for personal recommendation and better decision-making.
- **Voltstone**: Voltstone is developing AI to help food industries reduce their waste.
- **Odd.Bot**: Odd.Bot successfully created the successor of manual- and chemical in-row weeding. An autonomous mechanical in-row weeding robot that can work day and night and even identify weeds in high-density high-value crops to remove these without the use of potentially harmful chemicals.
- **Arkangel AI**: Arkangel AI is a no-code platform that allows healthcare companies to build, deploy, and scale AI algorithms.

Judges:

- **Son Young Hong**; Investment Manager, Yellowdog
- **Joseph K. Hopkins**; Senior Managing Partner at The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC
- **Lorenzo Niola**; Head of Ecosystem Development, Hatch CoLab
- **Sasha Cahill**; Digital Health Technologist & Serial Entrepreneur, PX Pulse

11.11 Experience Russia's thriving AI startup ecosystem – Live pitching session

Online, 27 January 2021

Moderators:

- **Neil Sahota**, CEO, ACSILabs Inc
- **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Oz Forensics**: Oz Forensics' Oz Liveness is a leading facial recognition and authentication software used by private and public organizations across the globe to lower the risk of biometric fraud by preventing deepfake and spoofing attacks with 100% accuracy, validated by the industry's most rigorous testing standard, ISO 30107 certification.
- **Botkin.AI**: AI platform for automatic analysis, remote description and routing of medical images.
- **Biogeohab-Uva**: Involved in data analysis from photo and video observation for the monitoring of demersal communities and automatic mapping of marine landscapes.
- **Emble**: EMBLE is advanced equine tracking system. It uses any low-cost camera mounted in the stall to analyze complex horse behavior and deliver critical insights. EMBLE uses AI and advanced computer vision to analyze complex horse behavior and physiology. This allows to detect early signs of disease and provides insights into horsekeeping processes that were previously difficult to analyze.
- **Sol**: Enhancing equality for those with hearing disabilities. The app delivers interpreting in many ways and uses remote interpreters to make the app more accessible.
- **SK Skolkovo**: The strategic goal of the Skolkovo Innovation Centre is to concentrate international intellectual capital, thereby stimulating the development of breakthrough projects and technologies.

Judges:

- **Anna Gishko**; Investment Manager, TerraVC
- **Surgey Dutov**; Business Development Director, Skolkovo Foundation
- **Vera Futorjanski**; Founder & CEO, Veritas Ventures
- **Sasha Cahill**; Digital Health Technologies & Serial Entrepreneur, PX Pulse

12 AI for Good Innovation Factory: 2020

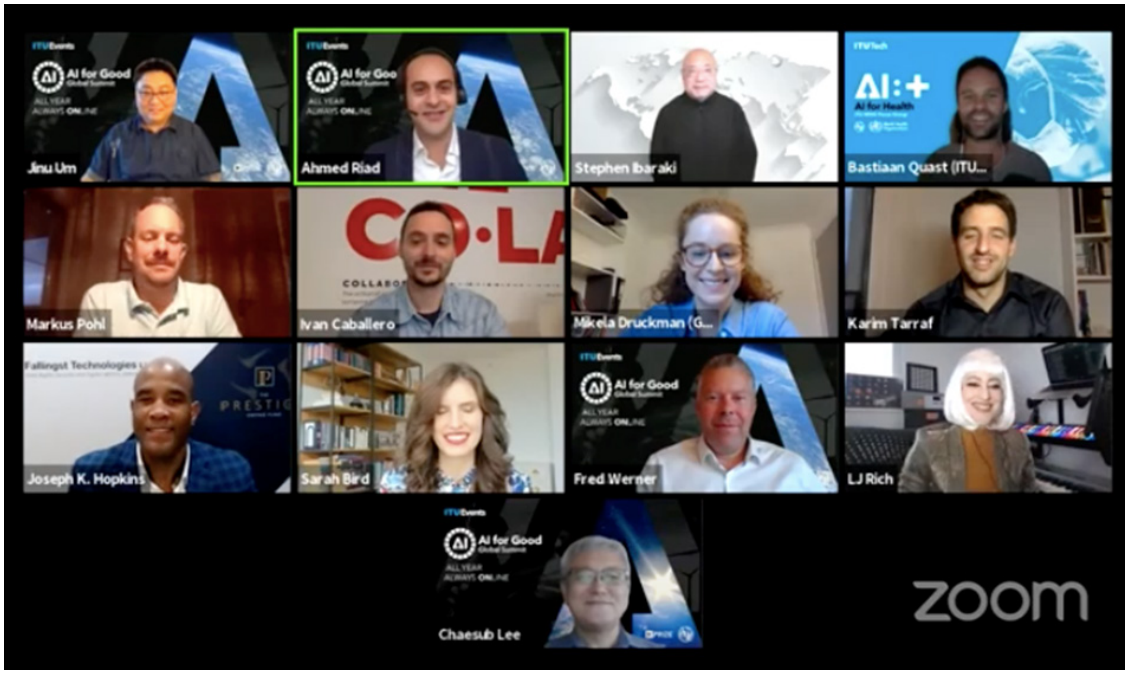
12.1 AI for Good Innovation Factory – Grand Finale 2020

Online, 19 November 2020

The Innovation Factory Grand Finale presented the best four AI for Good startups who scored the highest scores throughout the Innovation Factory pitching this year. These four promising AI ventures have a great scalability potential for a global impact and are tackling the world's greatest challenges with their innovative AI solutions to achieve the SDGs in the fields of waste management, air quality, children's malnutrition, and agriculture.

The four startups had the chance to present their solutions before a jury of experts who evaluated their pitches and selected the top winner. Investors and innovation experts announced possible partnerships and potential funding.

Figure 9: Presenting the awards to the winner of Innovation Factory, Greyparrot



Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Greyparrot**: Greyparrot, the leader in AI waste analytics, is applying AI to globally scale recycling and save millions of tonnes of waste from landfills and incinerators. By providing deeper, more intelligent insights about waste stream composition and financial value, Greyparrot is helping the waste sector recover more value from waste processing lines and reduce the environmental impact of waste. Read more here.
- **Citibeats**: Citibeats leverages their real time feedback to help you make informed decisions and anticipate their needs. Through ethical artificial intelligence that uses NLP and ML to process large quantities of unstructured data, Citibeats gathers actionable insights on the population's concerns related to key impact areas, such as sustainable development, financial inclusion, natural disaster response, migration, social policy, gender equality, vaccine demand, and hate speech policy. Read more here.
- **Child Growth Monitor**: Child Growth Monitor's mission is to provide organizations working on Zero Hunger with quick and accurate data on child malnutrition in the most ethical way. Leveraging the power of AI to solve global hunger, to solve limitations of traditional child measurements, with highest standards in data protection. Read more here.
- **HawaDawa**: Hawa Dawa lets you know the air quality in your environment anytime and anywhere. It crowd-sources the data on an interactive & real time city map letting you know when and where air pollution is bad. Read more here.

Judges:

- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Sarah Bird**; Principal Program Manager, Responsible AI Lead, Emerging Technology and Research Strategy Lead, Azure AI, Microsoft

- **Joseph K. Hopkins**; Senior Managing Partner at The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC

12.2 Silicon Valley's thriving AI for Good startup – Live pitching session

Online, 9 November 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **EMT Assist**: Critical and urgent information is needed to guide emergency medical services through many procedures and protocols. EMT Assist is a hands-free voice assistant technology that understands the patient's unique situation.
- **Roybi Robot**: ROYBI is a virtual learning system that provides kids with up-to-date content. Whether you're at home or on the go, its library of resources will keep your child in line with today's curriculum and beyond.
- **Wrench AI**: Data-driven A.I. personalization driving acquisition, growth, and engagement.
- **Verdant**: Verdant AI is an innovation lab and startup studio that advances technological breakthroughs in AI. Leveraging core competencies in the key areas of engineering design, AI application development, and analytic product-market fit means Verdant can accelerate time to market and time to value of AI-driven products.
- **Dorothy AI**: DorothyAI combines next level, AI-based search and centuries of patent law experience into a suite of tools that compiles data from a variety of sources in minutes that would otherwise take weeks to assemble.
- **Kin Keepers**: Kin-Keepers Elder-ChatGPT uses generative AI to convey the intent of utterances of those living with Alzheimer's or other forms of dementia. Our algorithms make elders living with dementia more confident, less frustrated, and easier to live with.

Judges:

- **Sarah Bird**; Principal Program Manager, Responsible AI Lead, Emerging Technology and Research Strategy Lead, Azure AI, Microsoft
- **Carlo Tortora Brayda di Belvedere**; Executive Chairman, National AI and Cyber Security ISAO
- **Tanya Suarez**; Founder, IoT Tribe
- **Joseph K. Hopkins**; Senior Managing Partner at The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC

12.3 Experience Estonia's thriving AI startup ecosystem – Live pitching session

Online, 1 October 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Sentinel**: Sentinel's NFTPort provides one-stop, simple and developer-friendly NFT infrastructure & APIs for developers e.g. Stripe for NFTs.
- **Lingvist**: Lingvist is an EdTech company working to make language learning 10x faster by using big data and AI. Lingvist maps the knowledge and skills of each learner, adapting learning materials in real time and creating an experience that is pleasantly and uniquely challenging for every individual learner. Lingvist has developed exceptional language

analysis methods, enabling the program to swiftly customize course content to teach language for a particular context.

- **Visory**: Visory is a SaaS platform that allows you to accurately predict what lives within your images and videos, using computer vision AI. The technology is designed to create value for cities and technology companies working in urban environments.
- **Pactum**: Pactum is an AI-based system that helps global companies to automatically offer personalized, commercial negotiations on a massive scale. The system adds value and saves time for both the Pactum client and their negotiation partner by aligning their values to determine win-win agreements via an easy-to-use chat interface that implements best-practice negotiation strategies.
- **eAgronom**: eAgronom's Carbon Program allows farmers to get paid for creating Carbon Credits, improve the quality of their soil, reduce the cost of inputs and get access to better financing terms. All together, making carbon-neutral farming profitable.

Judges:

- **Stephen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Mike Short**; Chief Scientific Adviser, Department for International Trade (DIT), U. K.
- **Jaan Tallinn**; Founding engineer, Skype
- **Sten Tamkivi**; Entrepreneur and Investor, Co-founder, Teleport
- **Sasha Cahill**; Digital Health Technologist & Serial Entrepreneur, PX Pulse

12.4 AI for Good Innovation Factory – Live pitching session

Online, 4 September 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Green Hydrogen Solutions**: At Green Hydrogen Solutions we recognize the long-term potential of green hydrogen. We combine big data, analysis and AI with innovative technologies to develop lower-than-average cost projects that produce green hydrogen at competitive prices linked to demand.
- **Sycai Technologies**: Sycai Medical develops an assistant, which detects pre-cancerous lesions when they are still benign. It helps radiologists to monitor the lesions by characterizing them and comparing every image with previous images of the patient to present the evolution. It analyzes CT scans and MRIs looking for incidental findings in zero clicks, totally integrated in the workflow of radiologists without the need of any manual trigger.
- **Ocular Diagnoses**: The mission is to provide an accurate, reliable mechanism to diagnose ADHD. We're building an AI-based software platform that integrates with a low-cost VR wearable to help clinicians and psychiatrists diagnose ADHD using our eye movements, specifically pupillometry and eye gaze.
- **Sipremo**: Sipremo anticipates and monitors weather events and natural disasters to provide intelligent, proactive decisions. Sipremo's AI accurately identifies where, when and what event will occur well in advance, and predicts the impact on your operation. This creates unique windows of opportunity, allowing you to prepare in advance, mitigate risks, avoid losses and even capitalize on predicted scenarios. Read more here.
- **Village Data Analytics**: An AI-powered software that automatically identifies remote villages and determines their suitability for electrification.

Judges:

- **Tanya Suarez**; Founder, IoT Tribe

- **John O'Shea**; Head of Run the Business & Intelligence Transformation, Dell Technologies
- **Josh Choi**; Director of Business Development, Korea Startup Forum
- **Jovan Stojanovic**; Founder, Serbian AI Society

12.5 AI for Good Innovation Factory – Live pitching session

Online, 24 July 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Citibeats**: Citibeats leverages their real time feedback to help you make informed decisions and anticipate their needs. Through ethical artificial intelligence that uses NLP and ML to process large quantities of unstructured data, Citibeats gathers actionable insights on the population's concerns related to key impact areas, such as sustainable development, financial inclusion, natural disaster response, migration, social policy, gender equality, vaccine demand, and hate speech policy. Read more here.
- **HawaDawa**: Hawa Dawa lets you know the air quality in your environment anytime and anywhere. It crowd-sources the data on an interactive & real time city map letting you know when and where air pollution is bad. Read more here.
- **GoToDigital**: Developed a platform to apply deep reinforcement learning to water challenges
- **Warden Machinery:** A deep-learning software solution that uses video analysis to boost efficiency and sustainability in metal production and mining.

Judges:

- **Zhi Zhen Qin**; Senior Technical Officer, United Nations Office for Project Services
- **Bruce Pon**; CEO and Co-Founder of BigchainDB GmbH; Co-Founder and Board Member, Ocean Protocol
- **Alex Tsado**; Co-Founder & Board Chair, Alliance4ai
- **Marta Arsovska Tomovska**; Director of the Public Administration Reform and Advisor for ICT and Innovation, Office of the Prime Minister of Serbia

12.6 AI for Good Innovation Factory – Live pitching session

Online, 26 June 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **AVA**.: With AVA, you can monitor and protect the people, places, organizations, buildings, assets, and things that are most valuable to you.
- **Intello Labs**: Intello Labs taps into the power of AI, ML, and computer vision to solve one of the biggest problems our world faces – cutting down food loss. They do so by digitizing the quality assessment of fresh fruits and vegetables. Intello Labs' technology transforms quality processes, making them objective, efficient, and less wasteful.
- **Mendel**: Mendel's AI deciphers clinical data with clinician-like logic. It indexes structured and unstructured data and replaces the complexity of querying with the simplicity of chatting.
- **BioTrillion**: BioTrillion is a HealthAI Startup on a mission to radically scale healthcare by quantifying human physiology with smartphone technology.

- **causaLens**: Causal AI is the only technology that can reason and make choices as humans do. It utilizes causality to go beyond narrow machine-learning predictions and can be directly integrated into human decision-making. It is the only AI system organizations can trust with their biggest challenges – a revolution in enterprise AI.

Judges:

- **Arun Shroff**; Tech Entrepreneur, Founder & Startup Advisor and Mentor, XTend.AI
- **Gary Stewart**; Co-Founder and CEO, The Nest
- **Joseph K. Hopkins**; Senior Managing Partner, The IPRESTIGE Emerge Fund LLC and CEO, Fallingst Technologies LLC
- **Taniya Mishra**; Director of AI Research, Affectiva
- **Moojan Asghari**; Co-Founder, Women in AI

12.7 AI for Good Innovation Factory – Live pitching session 2

Online, 5 June 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Lucinity**: Lucinity is a leader in AI software for financial crime compliance. Lucinity's platform, renowned for its user-friendliness, employs advanced AI to provide fast, clear insights, enhancing efficiency and decision-making. Trusted by top-tier banks and FinTechs, Lucinity aids in ensuring compliance, operational excellence, and risk reduction
- **PinkLion**: PinkLion is the app store for AI, a trusted marketplace with social impact at its core.
- **JusticeBot**: JusticeBot is a computer software tool using AI to simplify access to legal information for the public. The tool asks questions about their dispute and shows them information about similar previous cases, enabling them to gain a better understanding of their situation. Currently, development is focused on conflicts between landlords and tenants, but the methodology and tools will be useable in many legal domains.
- **AgShift**: AgShift's mission is to empower every food organization with tools to improve food quality assessment and quality control. Utilizing the latest in AI, IoT, computer vision and algorithms, AgShift invented a novel turn-key solution that offers the food industry its own "Quality-Control-In-A-Box" system - Hydra.
- **PraxisConcierge**: PraxisConcierge believes that digitalizing health care doesn't mean more technology and automation, but more human care and personalization. Their digital solutions support the daily work of healthcare professionals by streamlining routine processes. They focus on the needs of doctors and patients alike to improve the efficiency and quality of personal care.

Judges:

- **Lorenzo Niola**; Head of Ecosystem Development, Hath CoLab
- **Max Cuvellier**; Head of Mobile for Development (M4D), GSMA
- **Nicole Büttner**; Founder & CEO, Merantix Labs
- **Enrique Alvarado Hablutzel**; Partner, Networks Development, Bamboo Capital Partners
- **Melissa Sassi**; Global Head of IBM Hyper Protect Accelerator, IBM

12.8 AI for Good Webinar Series. Innovation Factory Episode 1: COVID-19: Combining crowdsourcing and AI to tackle the pandemic

Online, 20 May 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Crowdsourcing is often associated with the darker side of AI: clickworkers in sweatshops filtering out illegal content from social media sites, to help train bots that will ultimately make the clickworkers redundant. In this session, we look at some of the more positive synergies between AI and crowdsourcing, through the lens of the coronavirus pandemic.

Online crowdsourced events such as the EUvsVirus hackathon held in April 2020 with over 20,000 participants have proliferated under the current global lockdown, bringing with them new lessons for how AI can contribute to better organizing large scale collaborations between humans. At the scale of citizen-driven science for Covid, projects have emerged that combine AI and crowdsourcing to extract vital information from the flood of literature being produced or train algorithms that can analyse social media for important trends. This panel will discuss how AI can help crowds achieve more, how crowds can help improve AI, and where this marriage of people and machines might have the most impact on Covid-related research and innovation.

Panelists:

- **Barbara Pernici**; Professor, Politecnico di Milano
- **Isidro Laso Ballesteros**; Deputy Head of Unit, European Innovation Council
- **Maite Lopez**; Professor, University of Barcelona
- **Sharada Mohanty**; CEO & Co-Founder, Alcrowd

12.9 AI for Good Innovation Factory – Live pitching session 1

Online, 15 May 2020

Moderator: **Ahmed Riad**, Business Development Manager at AI for Good, ITU

Startups:

- **Greyparrot**: Greyparrot, the leader in AI waste analytics, is applying AI to globally scale recycling and save millions of tonnes of waste from landfills and incinerators. By providing deeper, more intelligent insights about waste stream composition and financial value, Greyparrot is helping the waste sector recover more value from waste processing lines and reduce the environmental impact of waste. Read more here.
- **IVOW**: IVOW created CultureGraph, which is a smart tool that provides real-time cultural insights to help enterprises create more effective and efficient experiences for consumer audiences. The search, map, calendar, and top trending tools offer human-to-human and bot-to-human insight into cultural holidays, food, music, arts, sports, and festivals at any moment in time.
- **1DOC3**: 1DOC3 is the health and wellness app focused on protecting and caring for the well-being of your employees in minutes. The app helps companies take care of the physical, mental and nutritional health of their employees and their families, generating a positive social and economic impact for everyone. Read more here.
- **EQ4ALL**: Q4ALL was established to remove societal barriers that prohibit DHH (Deaf or Hard of Hearing) individuals from accessing information, education, communication, and

jobs. EQ4ALL utilizes Rule Based Machine Translation engine (RBMT), Neural Machine Translation engine (NMT), and Sign Language Player to help DHH individuals break through the glass ceiling. Read more here.

- **Child Growth Monitor**: Child Growth Monitor's mission is to provide organizations working on Zero Hunger with quick and accurate data on child malnutrition in the most ethical way. Leveraging the power of AI to solve global hunger, to solve limitations of traditional child measurements, with highest standards in data protection. Read more here.

Judges:

- **Vera Futorjanski**; Founder & CEO, Veritas Ventures
- **Zhi Zhen Qin**; Senior Technical Officer, United Nations Office for Project Services
- **Stepen Ibaraki**; Chairman & Managing General Partner, REDDS Capital
- **Neil Sahota**; Chief Executive Officer, ACSILabs Inc

13 Conclusion

The AI for Good Innovation Factory has emerged as a leading platform within the United Nations to support AI-driven startups focused on achieving the SDGs. Since its inception in 2020, the Innovation Factory has attracted over 1 000 applications from more than 150 countries, with over 200 startups selected to pitch their innovative solutions. The program provides comprehensive support to startups, including access to top-tier mentorship, strategic partnerships, investment opportunities, and the chance to compete in the Grand Finale at the AI for Good Global Summit in Geneva, Switzerland.

Each year, the Innovation Factory showcases startups that leverage AI to address critical global challenges across various sectors, from healthcare and climate change to sustainable agriculture and education. The selection process is rigorous, ensuring that only the most promising and impactful solutions are chosen. The program's success stories highlight the transformative power of AI in advancing the SDGs, with winning startups achieving significant milestones and scaling their solutions globally.

As the program continues to grow, it remains committed to fostering innovation that drives positive change worldwide, reinforcing the role of AI as a critical tool in shaping a sustainable future.

Contact

Email: ai@itu.int
Website: AI for Good Innovation Factory

International Telecommunication Union
Place des Nations
CH-1211 Geneva 20
Switzerland

ISBN: 978-92-61-39631-2

Published in Switzerland
Geneva, 2024

Photo credits: ITU