

# START SUMMIT

23-25 March 2022



***“Harnessing the potential of  
Modern Technologies to address  
disasters”***

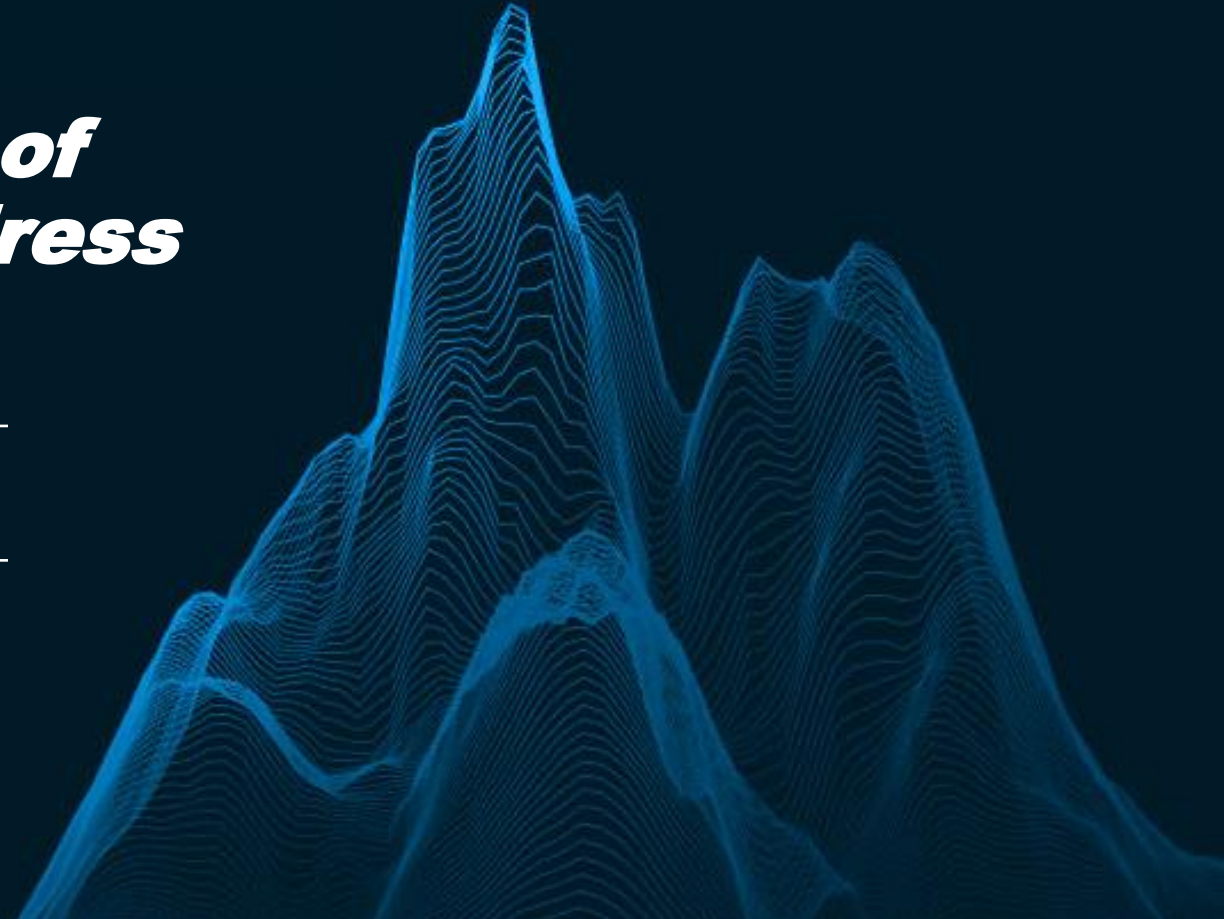
---

Disasters and Conflicts Branch

---

Muralee Thummarukudy  
Arielle Aberdeen

23 March 2022, St. Gallen

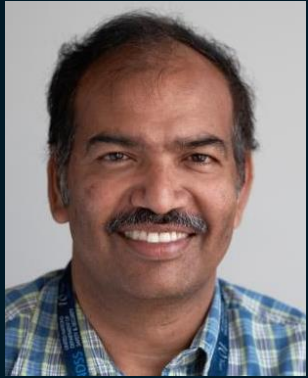


# START HACK

23-25 March 2022

## *Meet the team*

**UN**   
environment  
programme



**Muralee  
Thummarukudy**



**Paula Padrino  
Vilela**



**Tlamelo Makati**



**Thomas Matheickal**



**Maxime Croft**



**Melissa Puerto  
Aguayo**



**Dominik Bisslich**



**Arielle Aberdeen**



**Matheus Ferreira Gois**



**Eike Hinrichsen**



**Abhijith Mohanan**



**Aman KC**



**Darius Moruri**

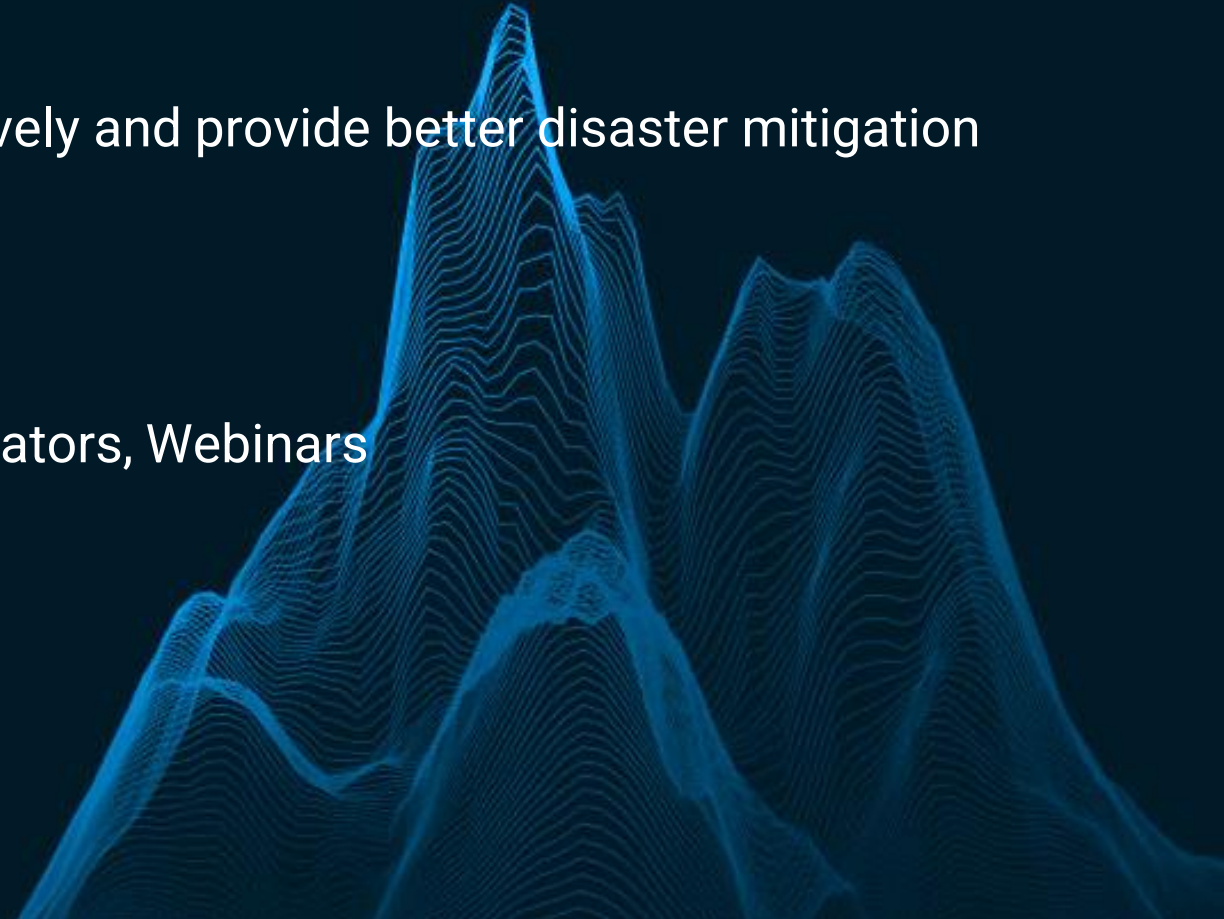


Established in 1972 at the Stockholm Conference on the Human Environment

- Role: Global voice for the environment
- Our Branch: Conflicts and Disaster Branch
  - ✓ Disaster risk reduction, and post crisis environmental assessment and recovery , Environmental Cooperation for Peacebuilding
  - ✓ - > 200 emergencies, - > 33 countries
  - ✓ - > 250 million USD for assessment, clean-up and capacity building



- Climate Change = more, stronger and wider hazards
- Technology will allow us to respond more effectively and provide better disaster mitigation
- Areas of Focus: IoT, Drones, AI, Robotics
- Application of work: Reports, Network of collaborators, Webinars





# Drones

A white quadcopter drone is shown in flight against a warm, orange-hued sunset sky. Below the drone is a dense field of green, leafy plants. The overall scene is slightly blurred, giving a sense of motion.

# Artificial Intelligence

A stylized, glowing blue brain is depicted, composed of intricate circuitry and interconnected nodes, symbolizing artificial intelligence. The background is dark with a subtle grid pattern.

# Internet of Things (IoT)

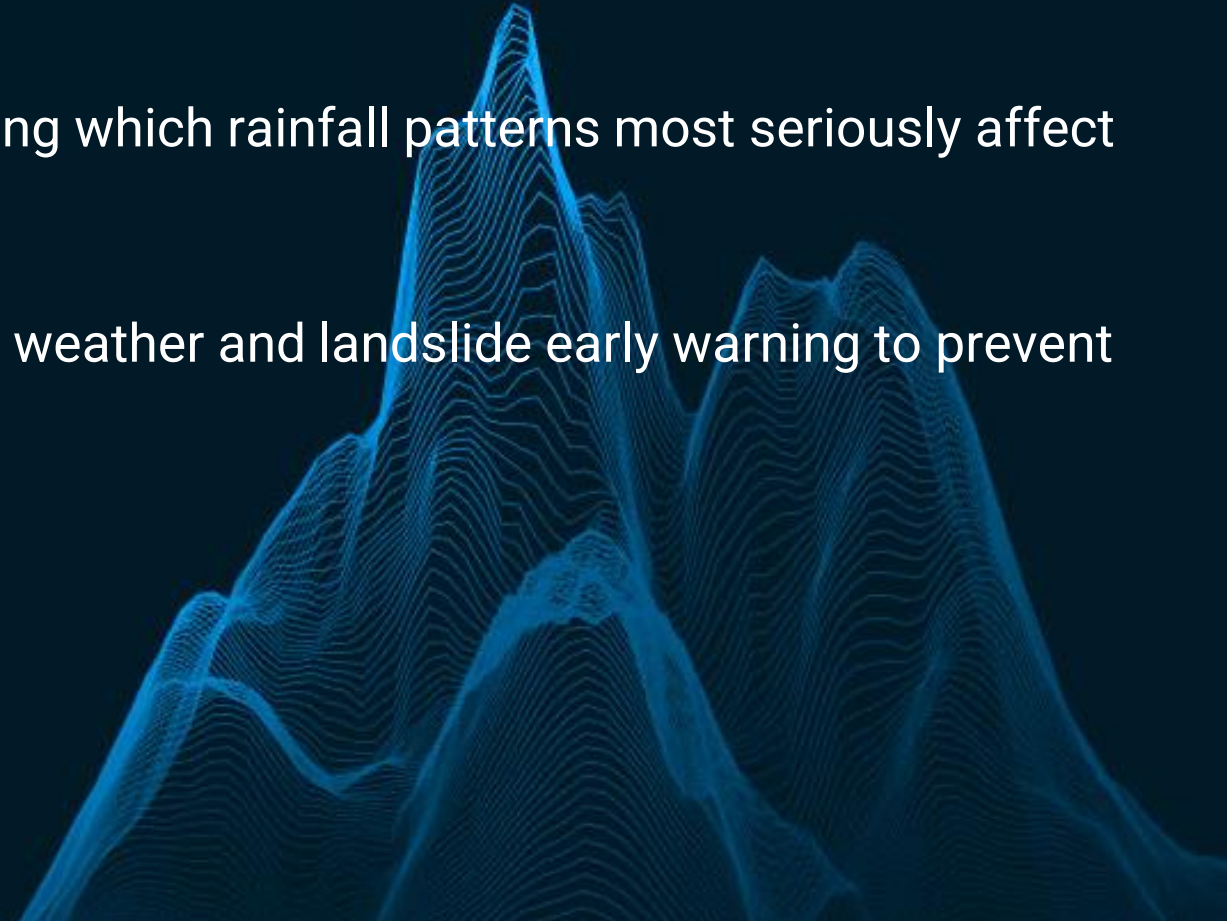
A hand holds a white smartphone in the foreground, displaying a white IoT symbol (a circle with three concentric arcs) on its screen. The background features a stylized cityscape with buildings and a globe, all overlaid with a network of glowing lines and nodes, representing the Internet of Things.

# Robotics

A close-up shot of a metallic robotic arm reaching out towards a green, mossy branch. The background is a blurred, futuristic cityscape with tall buildings and a blue sky.

## *Why landslides*

- HK Faces prospect of worsening landslides due to climate change
- AI & ML can make a meaningful impact by studying which rainfall patterns most seriously affect Hong Kong, and where these occur
- Application: It can be used to develop an extreme weather and landslide early warning to prevent a hazard becoming a disaster
- Can save countless lives





- **Purpose:** To Rethink Landslide Management
- **Solution:** Create Innovative Landslide Identification model for HK
  - ✓ This is the first step to tackle landslides and create tech solutions
  - ✓ This solution to have real world , life saving impact in this area



- **Your Solution:** To Innovate Landslide Management

How we will choose the winners: 60% model and 40% for the pitch

- **Pitch Details :** 7 minute with 3 mins for Q& A
  - ✓ Feasibility and Usability of your solution
  - ✓ Potential in harnessing other modern technologies into your solution
  - ✓ Creativity, Innovation and Vision for the application of your solution
  - ✓ Pitch delivery
- See GITHUB for more info





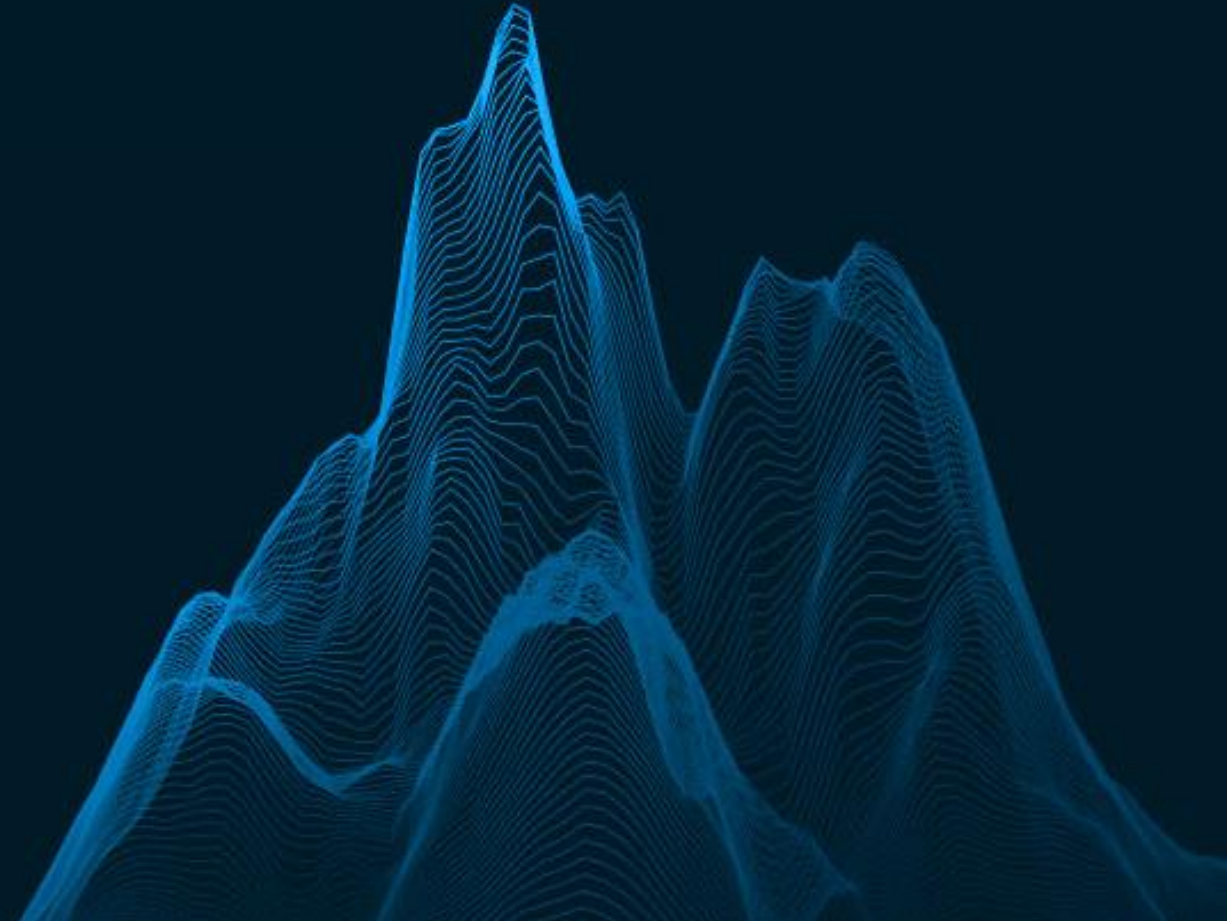
# START HACK

23-25 March 2022

## *Winners' bounty*



- **FIRST PRIZE: 4 DJI Mini 2 drones.**
- **SECOND PRIZE: 4 Huawei fitness bands**
  
- **JOIN US**
- **# TECH4GOOD**







Are you ready to join us in our challenge to  
protect lives with Modern Technologies?