

Smart Green Island Makeathon 2024

Summary

28.02.2024 – 02.03.2024



**SMART
GREEN
ISLAND**

ITQ

competence in mechatronics
software and systems engineering

Our Mission & Vision

Model for Sustainable Life and Innovative Education 4.0



Overview Participants – Smart Green Island Makeathon

Companies

Universities, Vocational & Professional Schools

Young Talents



Smart Green Island Makeathon 2024



Sponsors und Partners

Platinum

Cabildo de Gran Canaria

B&R

MURR ELEKTRONIK
stay connected
murrplastik®
Simply Smart Systems

VISHAY
The DNA of tech.®

igus®

BECKHOFF

Gold

FUNDACIÓN SERGIO ALONSO

MVTEC
MVTEC Software GmbH

TRUMPF

BÖLLHOFF

KRONES

Lorenz
Deutsche Wasserzähler

WE WÜRTH ELEKTRONIK
MORE THAN YOU EXPECT

Silver

Cabildo de Gran Canaria

spegc
Sociedad de Promoción Económica

I.E.S. El Rincón

OPTIMA

ISG

MathWorks®

GRUPPO ASA

VDMA
Nahrungsmittelmaschinen und Verpackungsmaschinen

PACKAGING VALLEY

Bronze

Eisele
Member of HENN Connector Group

make & mint
Die Nationale Initiative

team:mt
marketing 4 tomorrow

H2BX
Die Wasserstofflotsen.

newautomation
INNOVATION IN EDUCATION

Make:
make-magazin.de

dolde engineering

MITTELSTANDSAKADEMIE BAYERN

Smart Green Island Makeathon 2024



Universities, Institutions, Vocational and Professional Schools



Participants 2024 – All Activities



Eurocast Conference, Makeathon, Educational Workshops

1057 Participants

Eurocast
Conference
(25-66+ years)

Eurocast 2024

19th International Conference on Computer
Aided Systems Theory
February 25- March 1, 2024

Makeathon
(18-25 years)



Educational
Workshops
(6-18 years)



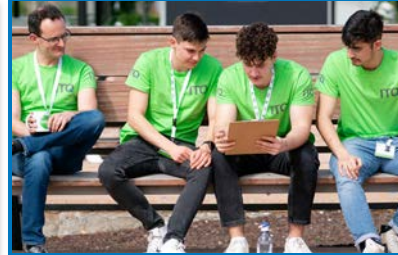
Participants 2024 – All Education Activities



Smart Green Island Makeathon & Educational Workshops

907
Participants

Makeathon
(18-25 years)



Robot &
3D Printing
(12-18 years)



LEGO
Mindstorms
(10-16 years)



Brush Robot
(6-10 years)



Participants 2024 – Educational Workshops



Different Age Groups and Workshops

320
Participants

Robot &
3D Printing
(12-18 years)



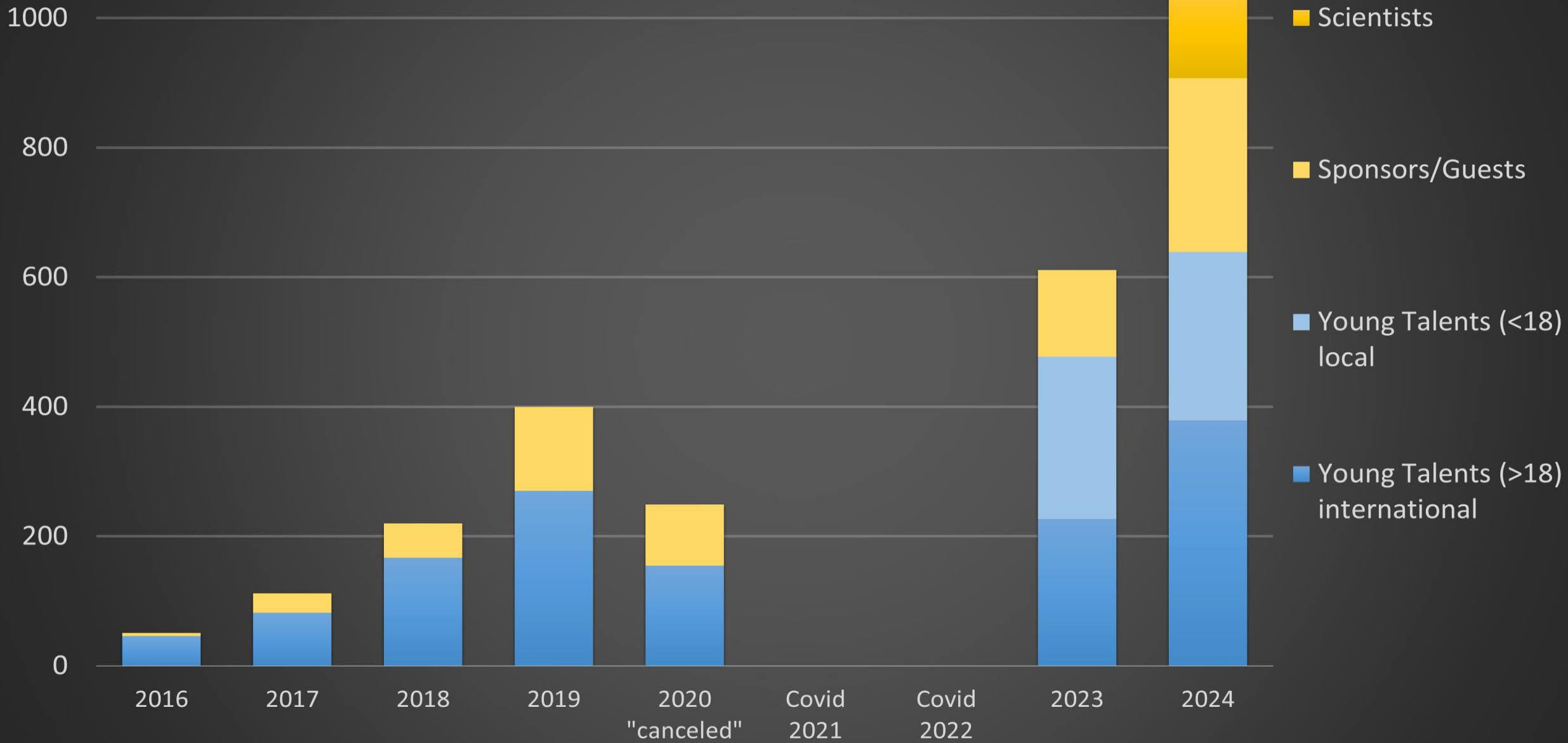
LEGO
Mindstorms
(10-16 years)



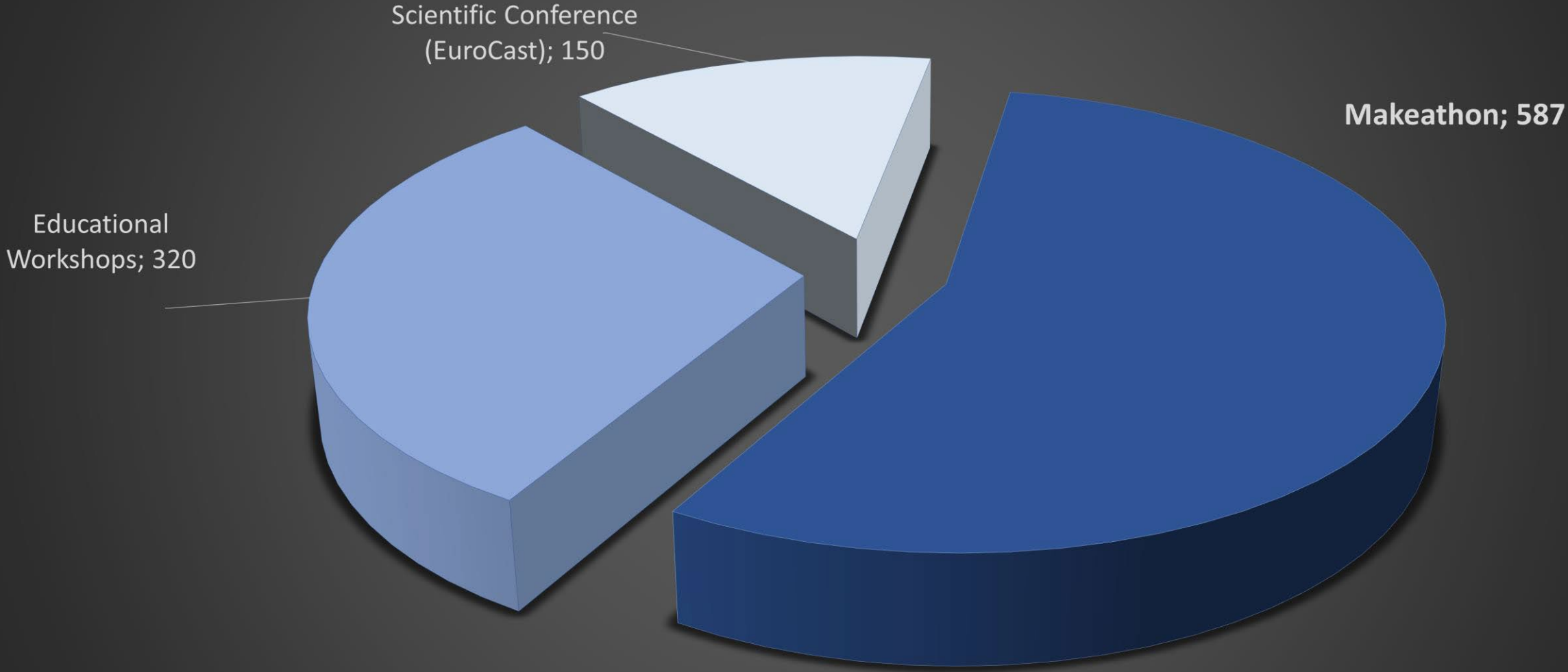
Brush Robot
(6-10 years)



Number of Participants



Overview: All Events



Status Registrations 2024

Young Talents, Universities, Institutions, Schools

Smart Green Island Makeathon 2024



379

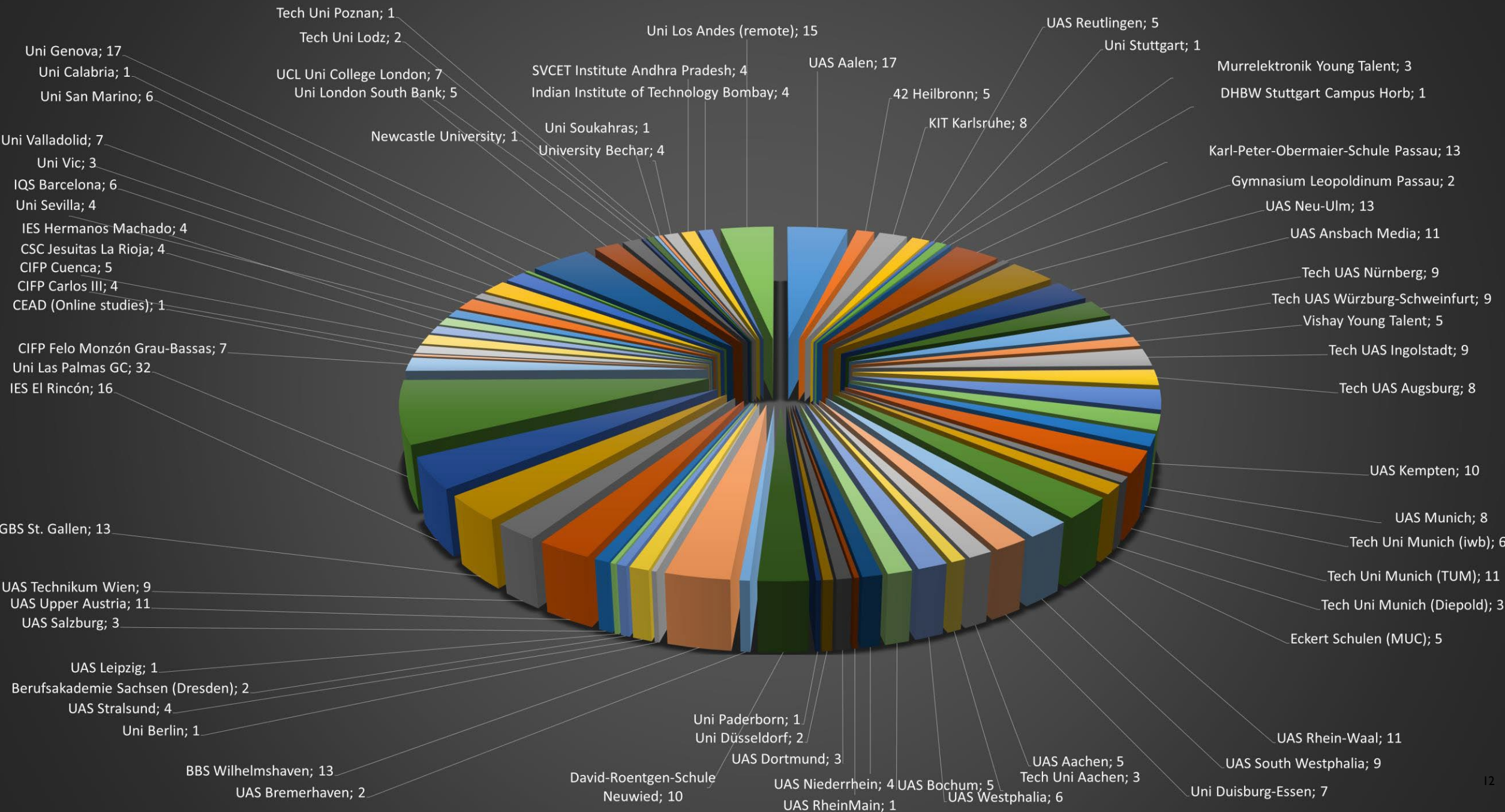
Young Talents



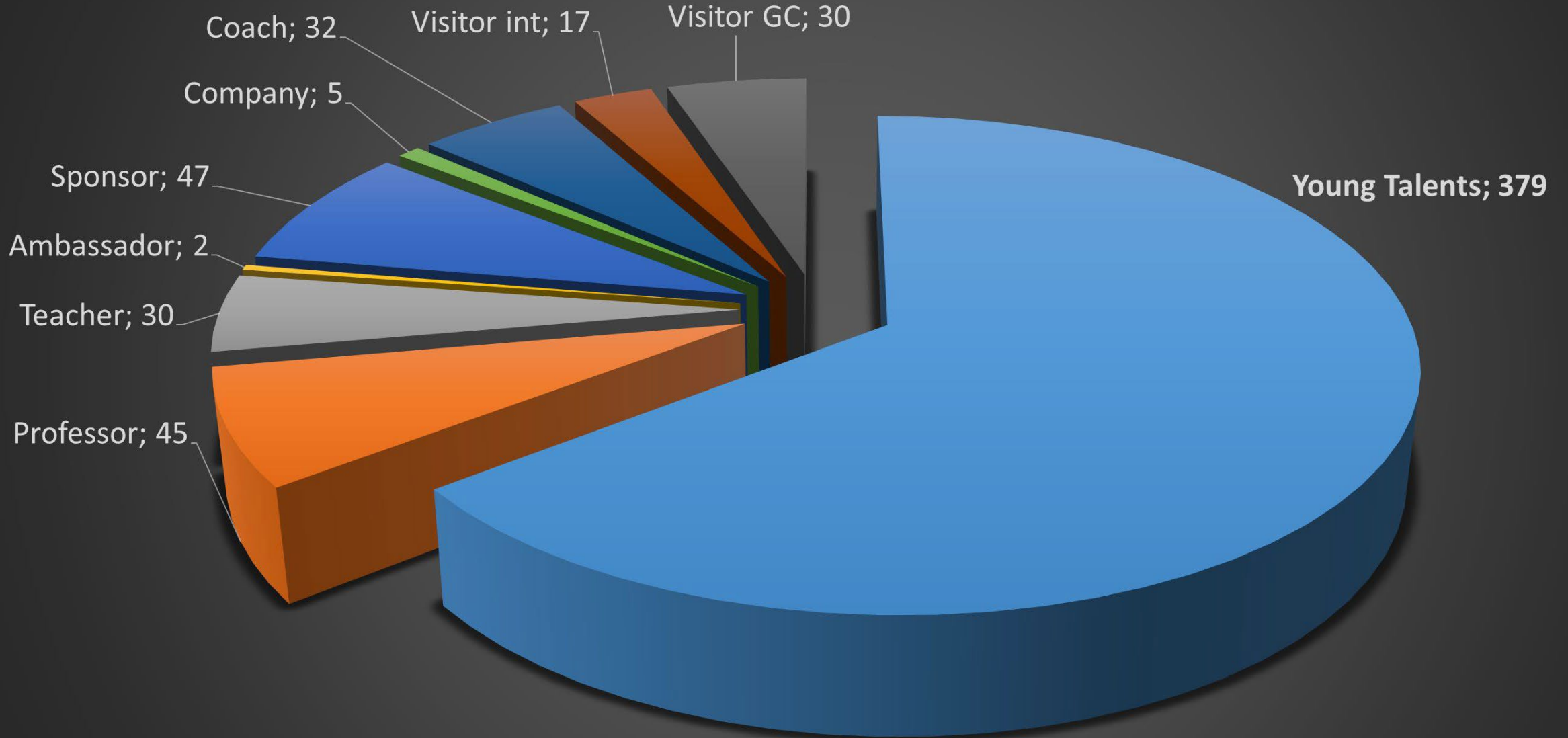
70

Universities Institutions

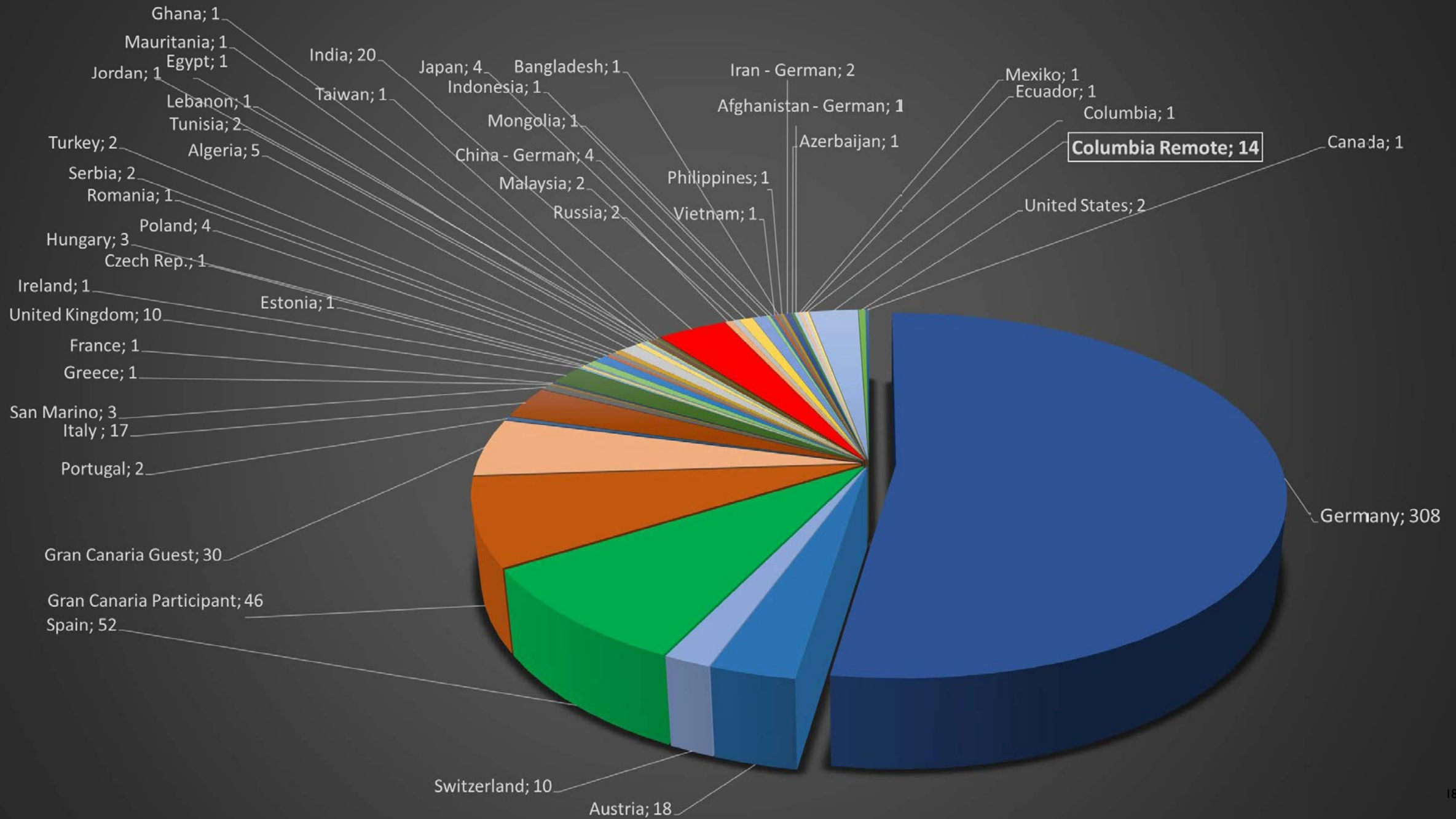
Overview: Universities/Professional Schools



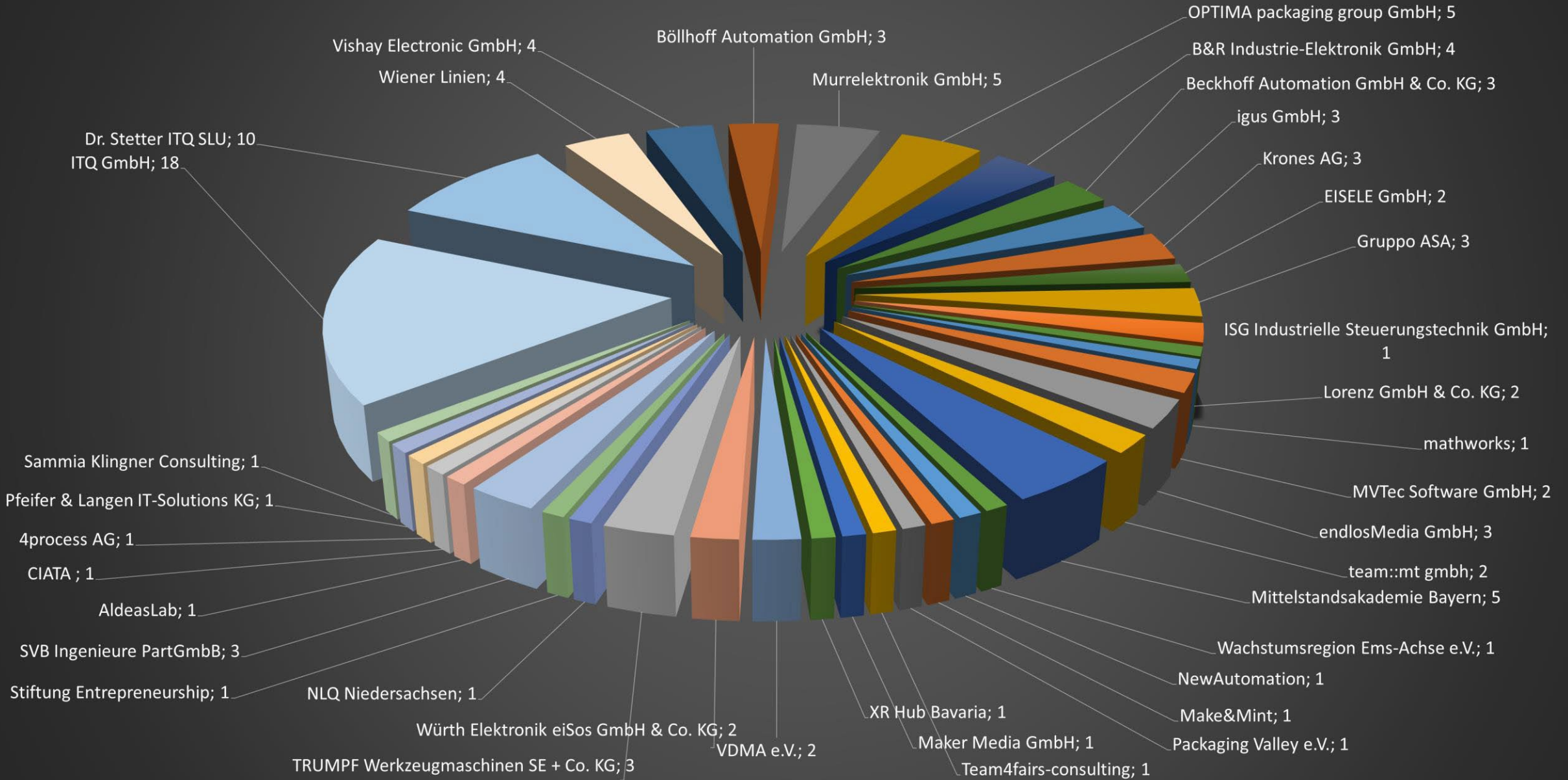
Overview: Makeathon (All categories)



Overview: Nationalities (All Participants Makeathon)



Overview: Companies, Associations



Facts & Figures

Smart Green Island Makeathon 2024



Overview of our Events



Smart Green Island Makeathon 2024



Visit of Gran Canarian President



VIP Event



Remote Teams in Bogota



Brush Robot Workshops



LEGO Mindstorms Workshops



Robot & 3D Printing Workshops

Smart Green Island Makeathon 2024

- **Event under the Patronage of German Federal Ministry of Education & Research**
 - German Federal Minister of Education & Research Ms. Bettina Stark-Watzinger held Opening Speech
 - **907 Participants**
 - 379 Young Talents coming from 70 Universities, Vocational & Professional Schools of 47 Countries
 - 100 Guests from Industry, Institutions, Research, Politics
 - 30 Local Visitors
- **Visit of High Ranking Guests**
 - President of Gran Canaria, Mr. Antonio Morales Méndez
 - Technical Coordinator of Environment and Energy on Gran Canaria, Mr. Raúl García Brink
 - Former German Parliamentary State Secretary a.D. , Mr. Thomas Sattelberger
- **47 Representatives of 39 Companies**
 - Managers, Senior Engineers, Consultants, HR Specialists
- **Sponsors**
 - 33 Companies – Europe
 - 6 Local Canarian Sponsors

Facts & Figures

Smart Green Island Makeathon 2024

- **33 Teams were working on different Challenges like**
 - Smart Recycling & Circular Manufacturing, Smart Automation, Smart Farming
 - Smart Green Energy, Safer Workplace, Smart Green Mobility...
- **16 Educational Technology Workshops for 302 Pupils & Kids**
 - Robot & 3D Printing – 4 x Workshops with a collaborative Robot
 - LEGO Mindstorms – 9 x Workshops half a day
 - Brush Robots – 1 x Workshops half a day
 - Hydrogen Energy – 1 x Workshop half a day
 - Smart Robotics and Handling – 1 x Workshop half a day
- **379 Young Talents, 33 Teams**
 - 4 x Long Working days almost **> 12.000 Hours of Engineering**
 - 33 x Presentations every day **> 132 Presentations, Pitches**
 - Stand up Meetings every morning
 - Prototyping

Facts & Figures

Smart Green Island Makeathon 2024

- **1 Livestream with over 50 Participants in Live Audience**
 - Interviews on the Subject – MAKEATHON & EDUCATION 4.0
“How MINT (STEM) becomes sexy, sustainable and extremely productive”?”
- **2 Network Events with more than 100 Participants**
 - National & International Professors as well as Companies meet Gran Canaria
 - VIP Network Event for Companies, Professors, Institutions as well as local VIPs
- **600 Kg of Hardware**
 - 800 x Tools
 - 9 x 3D Printers
 - 6 x Robots
 - 4 x Workbenches

Industry Challenges & Projects

Smart Green Island Makeathon 2024



Industry Challenges and Projects

Smart Green Island Makeathon 2024

Smart Farming

Supported by

We need more spaces 

Pump it up 

SenseMate 

iwBottleFarm 

Helix 

Smart Farming

Supported by

The DNA of tech:

Minions 

El Huertito 

BravΩ 

Special Banana Delegation 

Smart Farming

Synthetic Tomatoes 

GreenTech 

Veggie XR 

Local Wellness Farm 

Smart Warehousing & Automation

Supported by

Hand of God 

Fruit Ninjas 

Smart Shoppers 

Mumei 

RoboEcoTron 

Industry Challenges and Projects

Smart Green Island Makeathon 2024

Smart Production

Supported by



BOLLHOFF

Murries



Sächsischer
Ruhrpott



BöllsEye



Failure
Detection



BrewTech



Smart Recycling & Circular Manufacturing

Supported by



B&R Battery
Recycling



Trash
Terminators



Great Garbage
Gatherers



Smart Green Energy

HydrogenM



EduWindTech



Hydrogen
Sniffers



Isleco



Smart Building

InnOvaTion



Proyecto
Libélula



Building
Enjoyers



Smart Green Mobility

E-Tractor



RangeXtender



Teams Overview – 33 Teams

Smart Green Island Makeathon 2024



Teams Overview



I. Smart Farming

We need more spaces



Pump it up



SenseMate



Teams Overview



I. Smart Farming

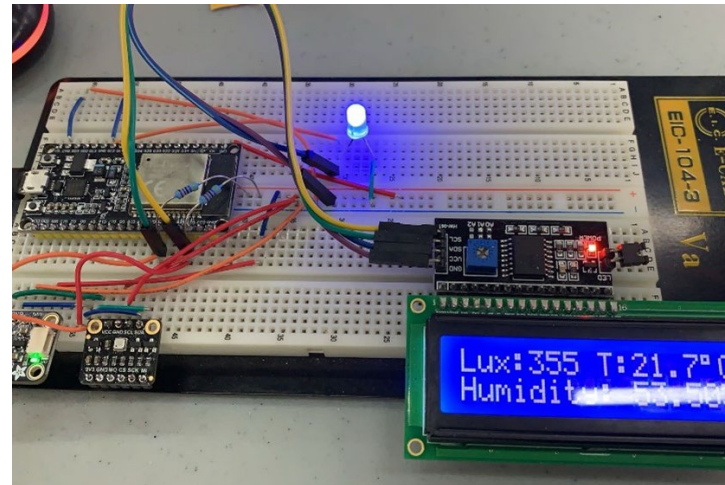
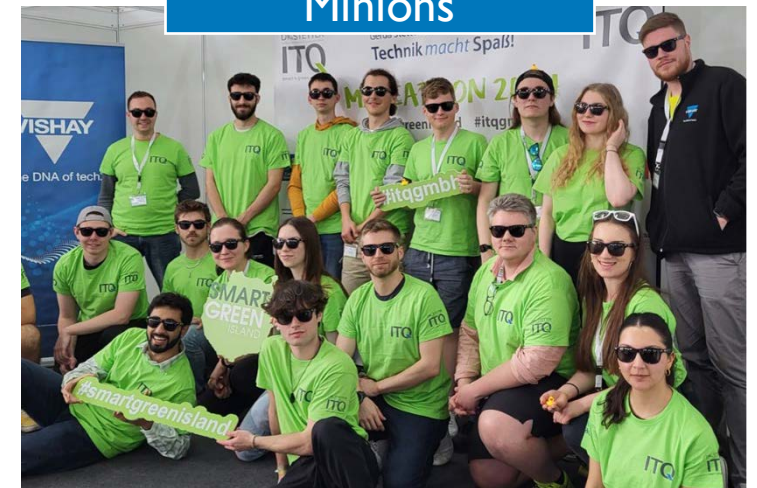
iwBottleFarm



Helix



Minions



Teams Overview



I. Smart Farming

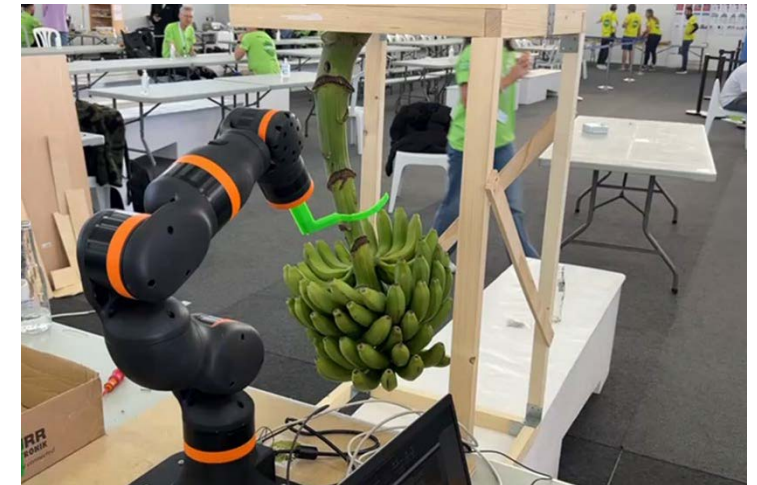
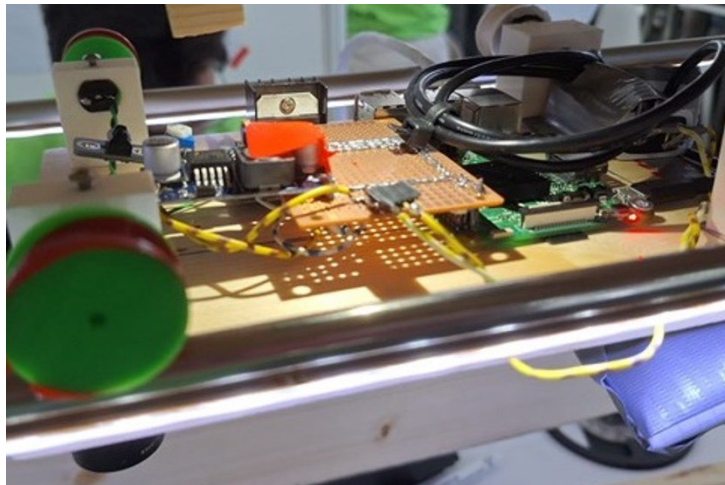
El Huertito



BravΩ



Special Banana Delegation



Teams Overview

I. Smart Farming

Synthetic Tomatoes



GreenTech



Veggie XR



Teams Overview

I. Smart Farming

Local Wellness Farm



Teams Overview

2. Smart Warehousing & Automation

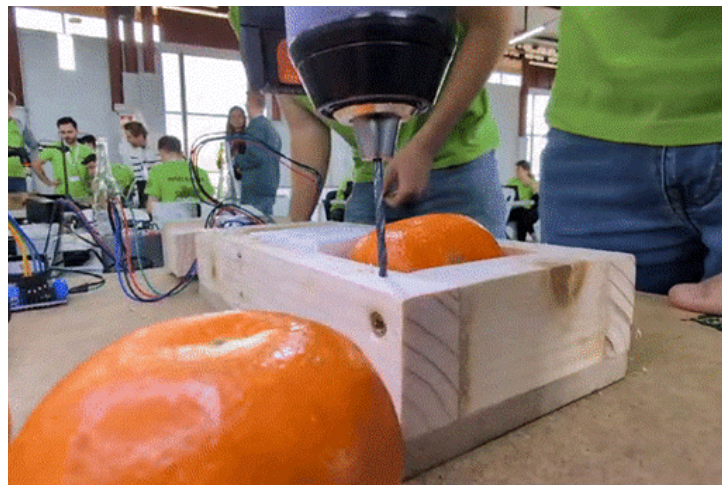
Hand of God



Fruit Ninjas



Smart Shoppers



Teams Overview



2. Smart Warehousing & Automation

Mumei



RoboEcoTron



Teams Overview



3. Smart Production

Murries



Sächsischer Ruhrpott



Böllseye



Teams Overview



3. Smart Production

Failure Detection



BrewTech



Teams Overview

4. Smart Recycling & Circular Manufacturing

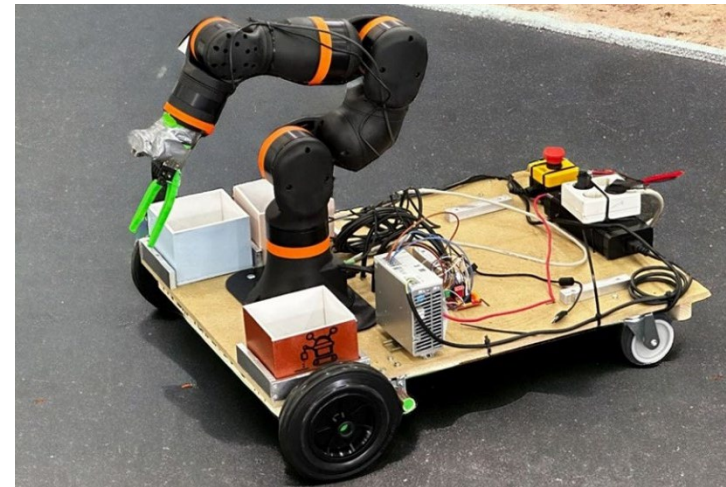
B&R Battery Recycling



Trash Terminators



Great Garbage Gatherers



Teams Overview



5. Smart Green Energy

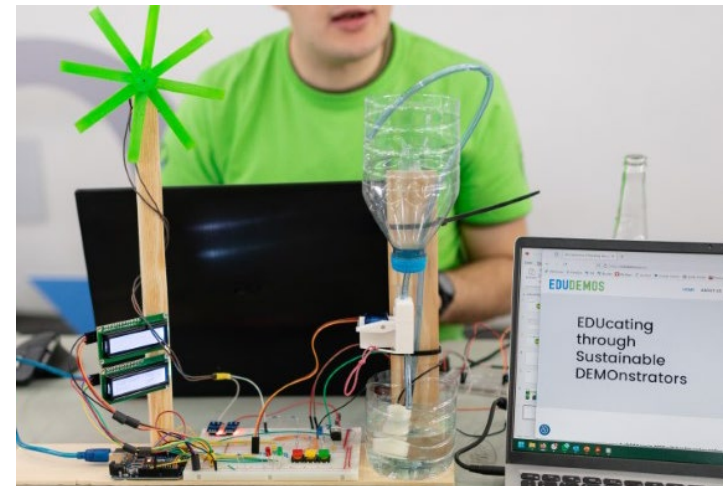
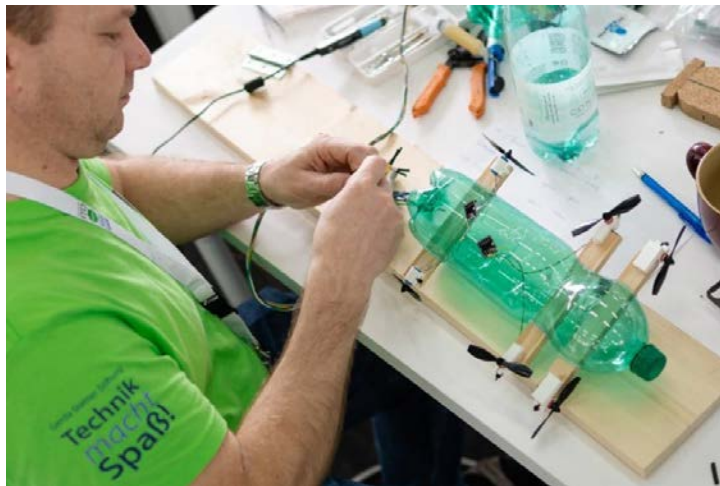
HydrogenM



EduWindTech



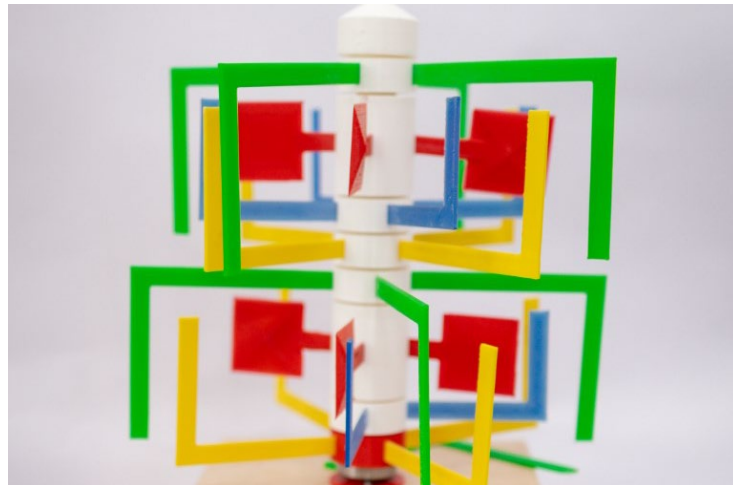
Hydrogen Sniffers



Teams Overview

5. Smart Green Energy

Isleco



Teams Overview



6. Smart Building

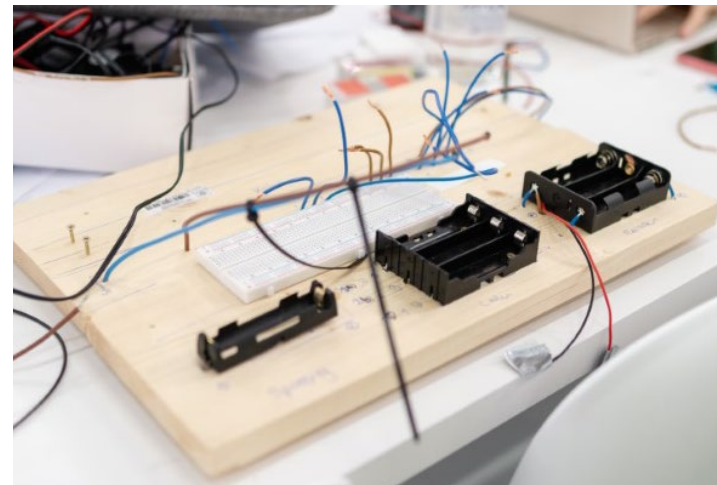
InnOvaTion



Proyecto Libélula



Building Enjoyers



Teams Overview



7. Smart Green Mobility

E-Tractor

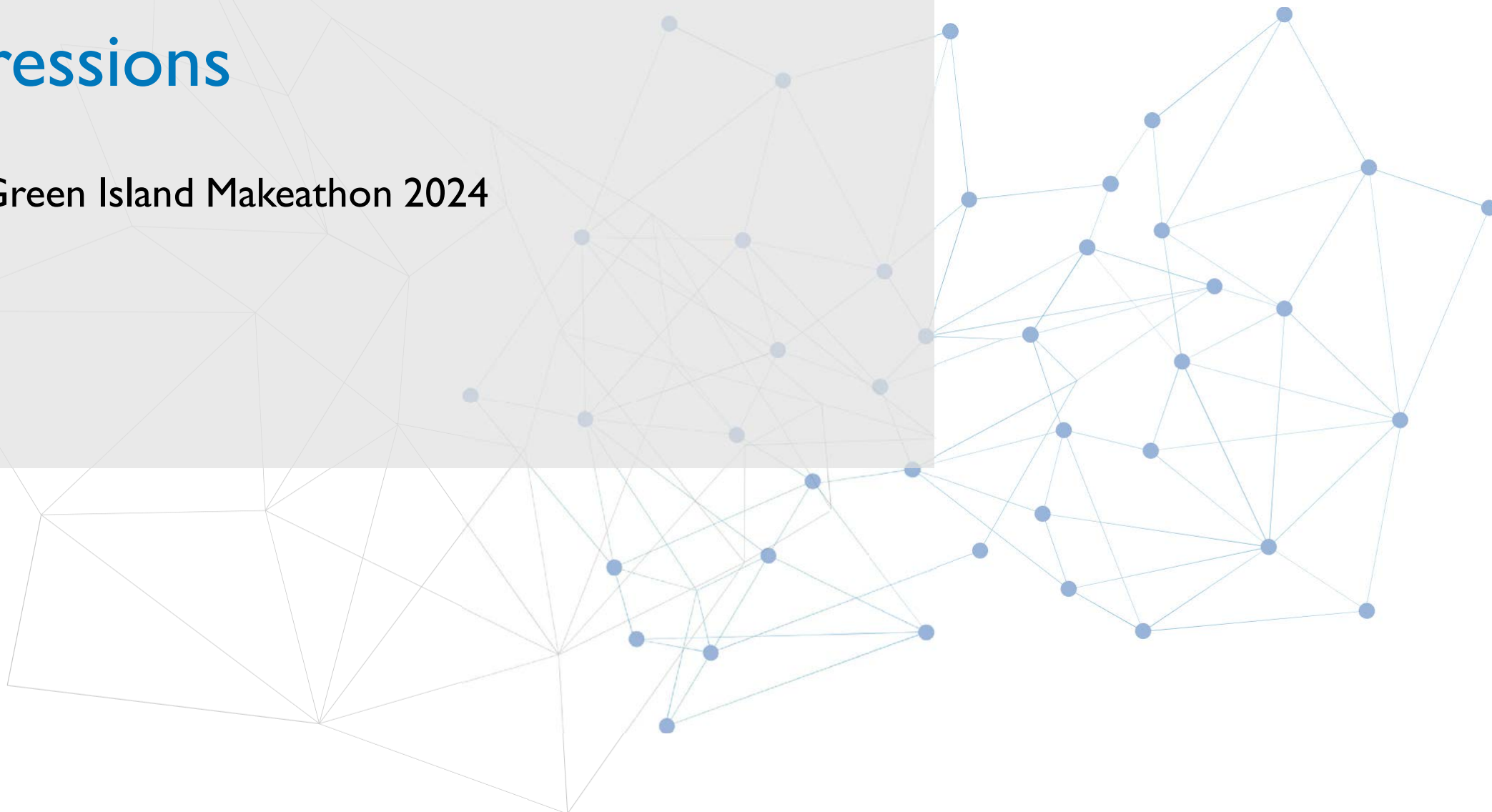


Range Xtender



Impressions

Smart Green Island Makeathon 2024



Impressions

Smart Green Island Makeathon 2024



Impressions



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Highlights

Smart Green Island Makeathon 2024



Visit of Gran Canarian President



Smart Green Island Makeathon 2024



VIP Event@Smart Villa



Smart Green Island Makeathon 2024



Highlights of Educational Technology Workshops



Smart Green Island Makeathon 2024



SMART GREEN ISLAND



SMART GREEN ISLAND MAKEATHON 2024