2023 INNOVATION EXCHANGE & PARTNER SUMMIT

From Algorithms to Opportunities: Harnessing Innovation for Youth Employment

November 7-8, 2023
SESSION: Youth as solution-creators & an exciting announcement!

Youth as Solution-Creators: Voices from the Ground
Voices from the S4YE Youth Advisory Group (YAG)

To tackle youth unemployment, young people must have a greater say in the policies that directly affect them!
Recognizing the importance of youth voice, S4YE has formed the **Youth Advisory Group (YAG)**, a group of 100+ enterprising global leaders who:

- Provide input on the design of S4YE’s and World Bank’s youth employment programs, through participation in board meetings and events
- Highlight youth innovation and enable the S4YE coalition to tap into young people’s perspectives
- Gain exposure and visibility in international networks
YAG Milestones

**2018**
The first YAG formed: 17 members

**2019**
Contributed to decision-making at the S4YE Partner Summit & Regional Forum

**2020**

**2021**

**2022**

**2023**
The YAG expanded 7x to 110+ youth

**BLOGS**
YAG highlighted youth-led innovations during COVID-19 through World Bank blogs:
- The food crisis
- Workforce training
- Healthcare
- Harnessing social media
- Amplifying youth voices and energy

**PUBLICATIONS**
Between 2018-2022, provided youth voice to S4YE and World Bank publications:
- Digital Jobs Report, 2018
- Meeting the Challenge of Youth Unemployment: Analysis and Lessons from Jordan, Liberia & South Africa, 2019
- World Development Report, 2020 on Global Value Chains
- Online violence against young female workers, 2022

**WEBINARS**
Organized between 2021-22:
- Youth-led innovations to support green jobs, 2021
- Using data-driven models to match talent with jobs, 2022
- Promoting youth-led innovation and hackathons, 2022
- Youth and Energy, 2022

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**S4YE SOLUTIONS FOR YOUTH EMPLOYMENT**
Expansion of the YAG: 2023

140+ Nominations by 50+ S4YE partners
66 Countries
120+ Selected YAG members

Special thank you to our Selection Panelists:
- Miranda Page, Director of Strategic Communications, Youth Business International (YBI)
- Marija Vasileva-Blazev, Special Advisor, Office of the Secretary-General’s Envoy on Youth, United Nations
- Elie Mandela, Youth Engagement Lead, Pan-African Programs, Mastercard Foundation

The current members of the YAG are leading ventures related to agriculture, disabilities, health, circular economy, WASH, the orange economy, EdTech and digitalization.
Introducing..

EMERALD AKHAUMERE  
Founder, AfroTechXcel

JOHAN SEBASTIAN CHAVEZ MOSQUERA  
Co-Founder, BeFly

MARTA VÂNIA UETELA  
Founder, BioMec

ESLAM ABO ALHAWA  
Co-Founder, EduPass

BRIAN MURITHI NDIRITU  
Founder, Akilikash
Using insects as food & feed for a circular economy

Johan Sebastian Chavez Mosquera
Founder, BeFly
Colombia
Johan Chavez
Founder, BeFly

“Transforming organic waste into food by using insects.”
1.6 billions tonnes of food is discarded annually
The transformative power of the Black Soldier Fly!
1 m² of BeFly = 1.500 m² of soybean crop
Taking advantage of research!
The future of food systems belongs to youth!
Empowering girls with tech skills: A Nigerian changemaker’s story

Emerald Akhaumere
Founder, AfroTechXcel
Nigeria
Addressing the Challenge
The Power of Collaboration
Reclaiming human rights with mobile-based learning tools

Eslam Abo Alhawa
Co-Founder, EduPass
Syria
Gap years
Education System
Registration
Financial need
Mahmoud Kanso  Nour Al Bidewe  Eslam Abo Alhawa  Zinab Al Mohamad
Q1: this curve is represented by the function:

- $F(x) = x^2 + 2$
- $F(x) = x^3$
- $F(x) = x^2 + 5$
- $F(x) = x^2 + 100$

**Test Average:** 65%

**Chapters Completed:**
- Equations of two variables
- Limits
- Integrals
- Derivatives
- Areas

**Number of chapters still needed:** 12

Good Job! Go to the needed course.

Go to courses  Go to next test

The four basic mathematical operations—addition, subtraction, multiplication, and division—have application even in the most advanced operations like: addition, subtraction, multiplication, and division—have application even in the most advanced...
Gamifying financial literacy for Kenyan youth

Brian Murithi Ndiritu
Founder, Akilikash
Kenya
Akili kash

BRIAN NDIRITU - FOUNDER

LEVEL UP YOUR FINANCIAL GROWTH.
THE HONEY EXPRESS
Your Journey to Financial Bloom.
Let's Get Started!
Load session
Open credits
BUDGET

FINANCE

CASH

FUND

SAVING

ACCOUNTING

EXPENSES

1.

2.

3.
Interesting game you have

That was so informative man. I love it
I'll share it on status

For the UI, I think the idea of a train is great but maybe a little tweaking of the implementation approach

I don't know when the actual thing will be ready but the prototype is lit already

Hello,
Nimeipitia,
It's really awesome, the graphics are awesome, it's easy to use.

Nimekua nikiipitia. Iko fiti by the way.

I love love loveee the layout😊
I've not input my email cause I'm running out of storage for now.
But I like how everything looks

Aaaaah 🥺, this is indeed quintessential and mind blowing, I like stories and I tell you, you've killed two birds with a single stone, we learn the disciplines surrounding money and at the same time journey on an interesting story, hapa mwanamaume ume score ✅
Circular solutions for persons with disability: Creating prosthetics from plastic waste

Marta Vania Uetlela
Founder, BioMec
Mozambique
Can medical industry go green?

Marta Uetela
Product Designer Engineer | BioMec
90% of amputees population in Mozambique do not have access to prosthetics

6,400 tons of ghost fishnets are collected in the Mozambican coast every year.
collect and process
scan limb
construct limb
3D print and voila
24 hours
compared to the 1080 hours of the convencional process

74%
composed by plastic residuals collected from the sea

3 MSW
compared to over 10 minimum salary wages of the conventional prosthetics available
we designed and constructed the first wheelchair based in plastic collected from the sea
to compensate 1 tonne of CO₂, 31 to 46 trees are needed/year

Angola
Benguela
291 users

Mozambique
Maputo
477 users

South Africa
Cidade do Cabo
508 users

Details of the first pilot
(wheelchairs and prosthetics combined)

-986 tons CO₂
More than prosthetics and wheelchairs we build inclusion and possibilities

info@biomec.co.mz
An exciting announcement...
Announcing the World Bank Youth Innovation Challenge: Water Solutions for the New Climate Reality

A joint initiative of the World Bank’s S4YE, the Water Global Practice & water tech companies.
Catalyzing the next gen of *aquapreneurs* to solve the big water challenges.

Launching at COP28!

The challenge is designed to accelerate water innovation and unlock the potential of young innovators *aquapreneurs* globally. We aim to identify and support young shooting stars by providing them access to technical training, networks, and mentorship, to pilot and scale transformative water solutions.
For S4YE partners

i. **Address the water crisis** & create a pipeline of **aquapreneurs**, by enabling shooting star entrepreneurs

ii. **Become youth champions**: Partners direct resources (through mentorship, funding) toward youth solving the most pressing water challenges of our time!

### OBJECTIVES

**Track 1**

Too much water

### Addressing issues such as:

- Flooding, sea level rise, coastal erosion, storms, ocean acidification

**Track 2**

Too little water

### Addressing issues such as:

- Water scarcity, access, draught, food, agriculture issues

**Track 3**

Compromised water quality

### Addressing issues such as:

- Contaminated drinking water, public health

**Track 4**

Mismanaged Water Utilities

### Addressing issues such as:

- Resilient water & sanitation infrastructure, digital, preventative maintenance

**CEO Partners:**

- NATRX
- KAI PONO
- PERMALUTION
- NS²
- 3Rwater
- Athena IR-Tech
- CANN FORECAST
- Xylem
## Timeline

<table>
<thead>
<tr>
<th>Phase</th>
<th>November</th>
<th>Nov - Feb</th>
<th>March</th>
<th>Mar - Aug</th>
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<tbody>
<tr>
<td><strong>Phases</strong></td>
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<td><strong>Goal</strong></td>
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<td><strong>Milestones</strong></td>
<td>Soft launch - S4YE Summit - Water GP Balkans event</td>
<td>Recruit &amp; register shooting star aquapreneurs</td>
<td>Pitch perfect training webinar - CEO Reverse Dragons Den to select winners - WB Spring Meeting</td>
<td>CEO mentoring - Accelerator learning events - Investor Pitches at WB Fall Meetings, DC</td>
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<td><strong>Founding Partners</strong></td>
<td>NGO Champions: TBD</td>
<td>Water-tech CEO Champions: CANN FORECAST, 3Rwater, Athena InTech, RAI POPO, OrbiX</td>
<td>Corporate Champions: Xylem</td>
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<td><strong>Target</strong></td>
<td>500 teams</td>
<td>40 teams (4 tracks x 10 shortlisted teams)</td>
<td>20 teams (4 tracks x 5 winners)</td>
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<td><strong>Youth</strong></td>
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### Calling for partners for each phase!
Some CEO Champions who have joined us!

Tatiana Estevez  
CEO & Founder  
Permalution

Navy Mckee  
CEO & Founder  
Kai Pono Solutions

Gabriela Almeida  
CEO  
NS2

Naysan Saran  
CEO & Founder  
Cann Forecast

Patrick Decker  
President and CEO  
Xylem