



Generation Connect Gender Champions Workshop





Innovation, Science and Economic Development Canada

Thank you, ISED Canada!



Winners of the Generation Connect Gender Champions Competition



Choukouriyah Arinloye
Benin



Mable Chileshe
Zambia



Milagro Saira
Panama



Jackeline García Alvarado
Costa Rica



Tayma Abdalhadi
State of Palestine



Melissa El Feghali
Lebanon



Alfiah Rizqi Ramdhini
Indonesia



Aliha Nisar
Pakistan



Khanimnisa Ismayilova
Azerbaijan



Zulfiyya Mehdiyeva
Azerbaijan



Elisa Haxhillazi
Albania



Zeynep Dilruba Taşdemir
Turkey



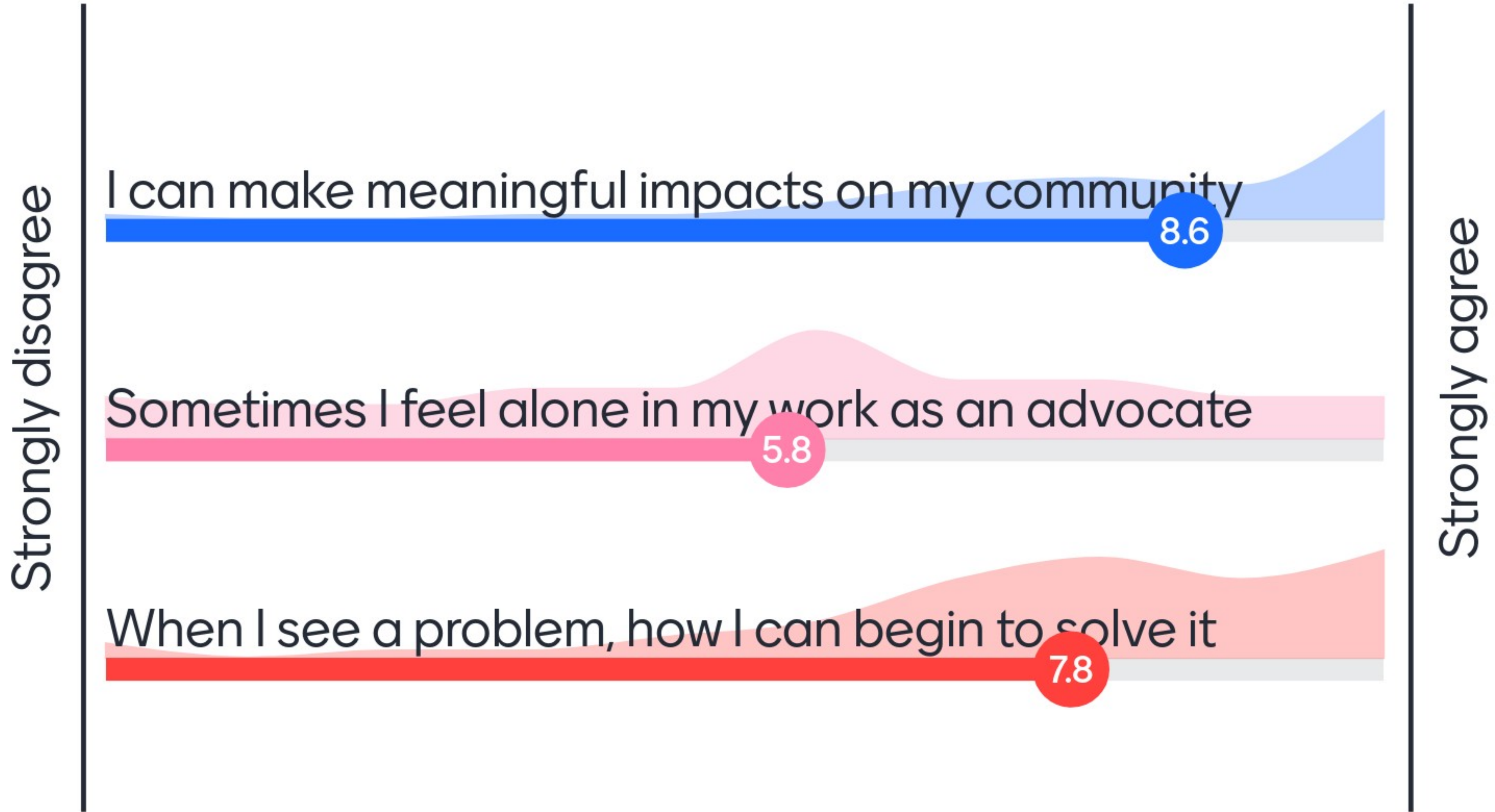
**Generation
Connect**



Agenda

- Reflection
- Women Who Inspire
- Tech for Social Good
- Overcoming Adversity
- Getting Started





Reflection:

- What do I enjoy doing?
- What is a problem that needs to be solved?
- In one year, what impact do I want to make?



Inspiring Women

Women shaping the tech world



“

“To engineer a better society, we need people of different genders, races, and backgrounds solving our problems.”

—Jamie Clark

Who is a woman in STEM that inspires you?

Joã

My mama

Doreen Bogdan Martin

Myself

Foyin-Olajide Bello

Dr. Joy boulumwini

Minister of ICT in Rwanda

Nisakhanim/Melissa

Gender champions 🎉

Who is a woman in STEM that inspires you?

Emma Theofelus

Honorable Ingabire Paula

Ada Lovelace

Nabeha Nasir

Doreeen Bogdan Martin

Ada LovelaceMarie Curie

Rosalind Franklin

Hon Ingabire Paula

Angela Merkel

Who is a woman in STEM that inspires you?

Doreen bogman

Kalpana Chauvla

Dr. Melissa Ssasi

Minister of ICT in Rwanda

Joana Varon - director of Coding Rights, a Brazilian NGO advocating for a feminist view of technology

Nokuthula Hlophe from Eswatini

Hedy Lamarr

My mother inspires me so much because she she more with less. She tried so hard to

Emma Theofilus

Who is a woman in STEM that inspires you?

Ada Lovelace

Mbabazi esther

Sylvia Gathoni

Maddy Thorson: she is a transgender video game developer who makes games addressing mental health and gender inequity. Her first game got nominated for game of the year, and she has done all of this against the inherent roadblocks of the industry

Hilary Mine, president of digital Europe and VP at Nokia

Paula

Marie curie

My sistershe is a refugee woman but she had prevailed in her education and now she is a good programmer. She was able to succeed while she had very few resources.

Özlem Türeci

Who is a woman in STEM that inspires you?

Doreen Bogdan Martin

My auntie

Doreen Bogdan MartinMyself

Sicelo Dube, Zimbabwean STEM ambassador

My mother insipered me so much, she makes make strong

Fatou Camara from The Gambia. She is a journalist in the Gambia owning a company called fatou network. She employed many youths in broadcasting news from all part of the world.

Fatou Camara from The Gambia owning a fatou network company for broadcasting news from all part of the world and employing many youths

My mother inspired me. She works in the organisation which fights against violence against women

Fatou Camara from The Gambia owning a fatou network company in the Gambia. Responsible for broadcasting news from everywhere

Who is a woman in STEM that inspires you?

Grace Hopper

X

01 *Inspiring woman from the past*

The story of
Dorothy Vaughan

Who is Dorothy Vaughan?

Job

- Mathematician
- Computer programmer

Work Place

- National Advisory Committee for Aeronautics
- National Aeronautics and Space Administration

Firsts

- The first African American manager
- An expert at FORTRAN



What was her journey?



- In 1943, she started working for NACA's West Area Computing unit, the "human computers".
- In 1949, she became NACA's first black supervisor & one of its few female supervisors.
- In 1958, Vaughan joined the NASA Analysis and Computation Division & became an expert at FORTRAN.

What were her challenges?

In 1940s, NACA was segregated.

The only book on FORTRAN was in the whites only section.

Dorothy practiced her programming after hours on the IBM machine.



02

*Inspiring Woman
in the Present*

The Story of Canan
Dağdeviren

Dr. Canan Dağdeviren

- Scientific studies at MIT
- First Turk to be elected to the Harvard University Young Academy Fellowship
- 30 scientists under the age of 30 by Forbes

“Because if you dream, you have the courage to follow your dreams.”

Inspiration for women and girls in Turkey



Advocates for equal participation of girls and women in STEM



Girls and Women want to be successful like Canan



03

*Inspiring young
woman*

The story of
Mariam Lomtadze

Mariam Lomtadze

- Was laughed at for taking science and technology classes
- This did not demotivate her
- New interest : Gender equality



Combination of interests



Technology



Gender Equality



Visualize gender data

App to show how early marriage in Georgia creates obstacles in girls' learning and career paths

== *Whoa!*

Inspiring young women are breaking the gender barriers and contributing to a better and more inclusive world.



Tech for social good



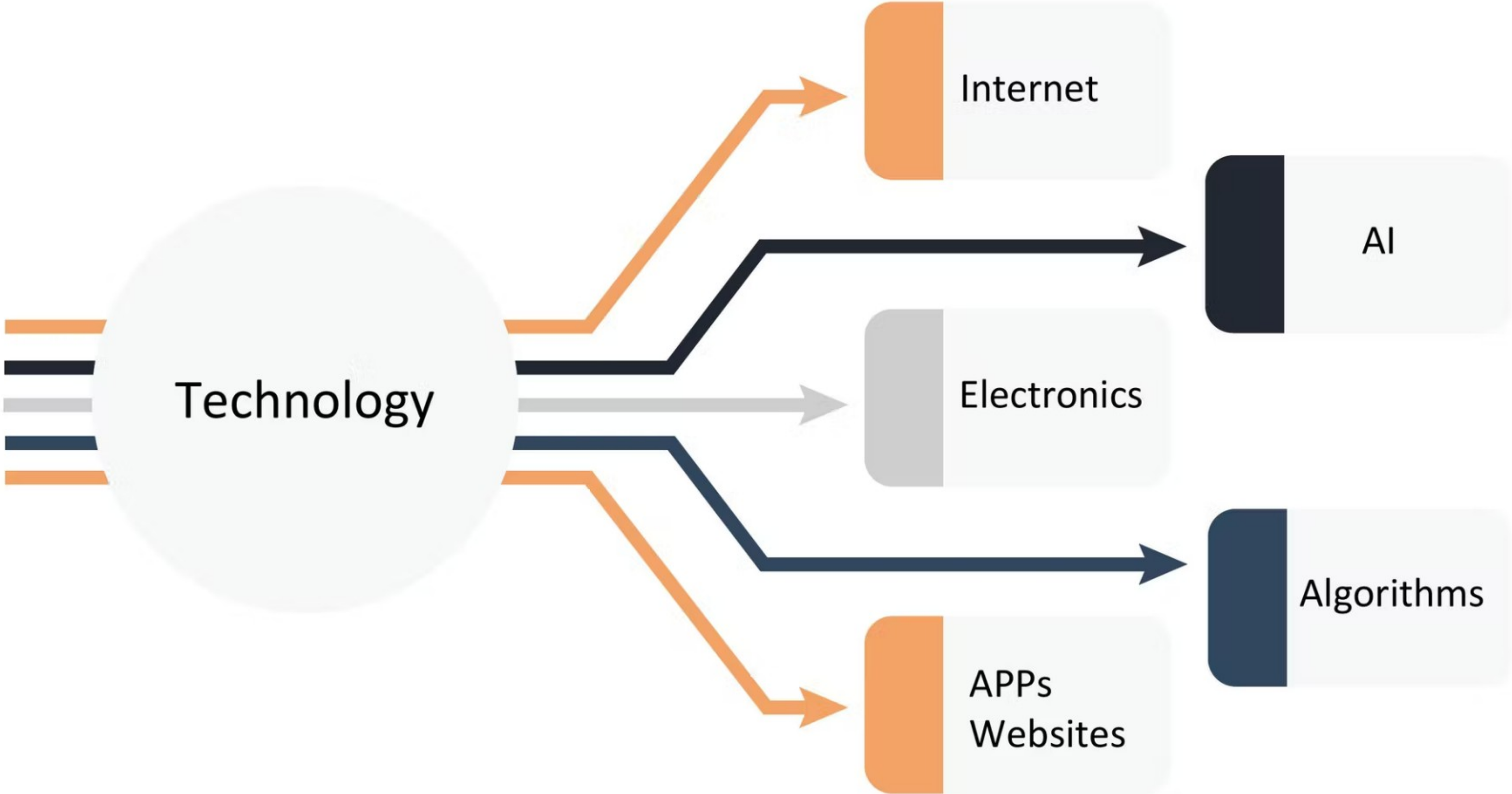
Do you think tech does more good, or more bad?

More good!



More bad!





Technology

Internet

AI

Electronics

Algorithms

APPs
Websites

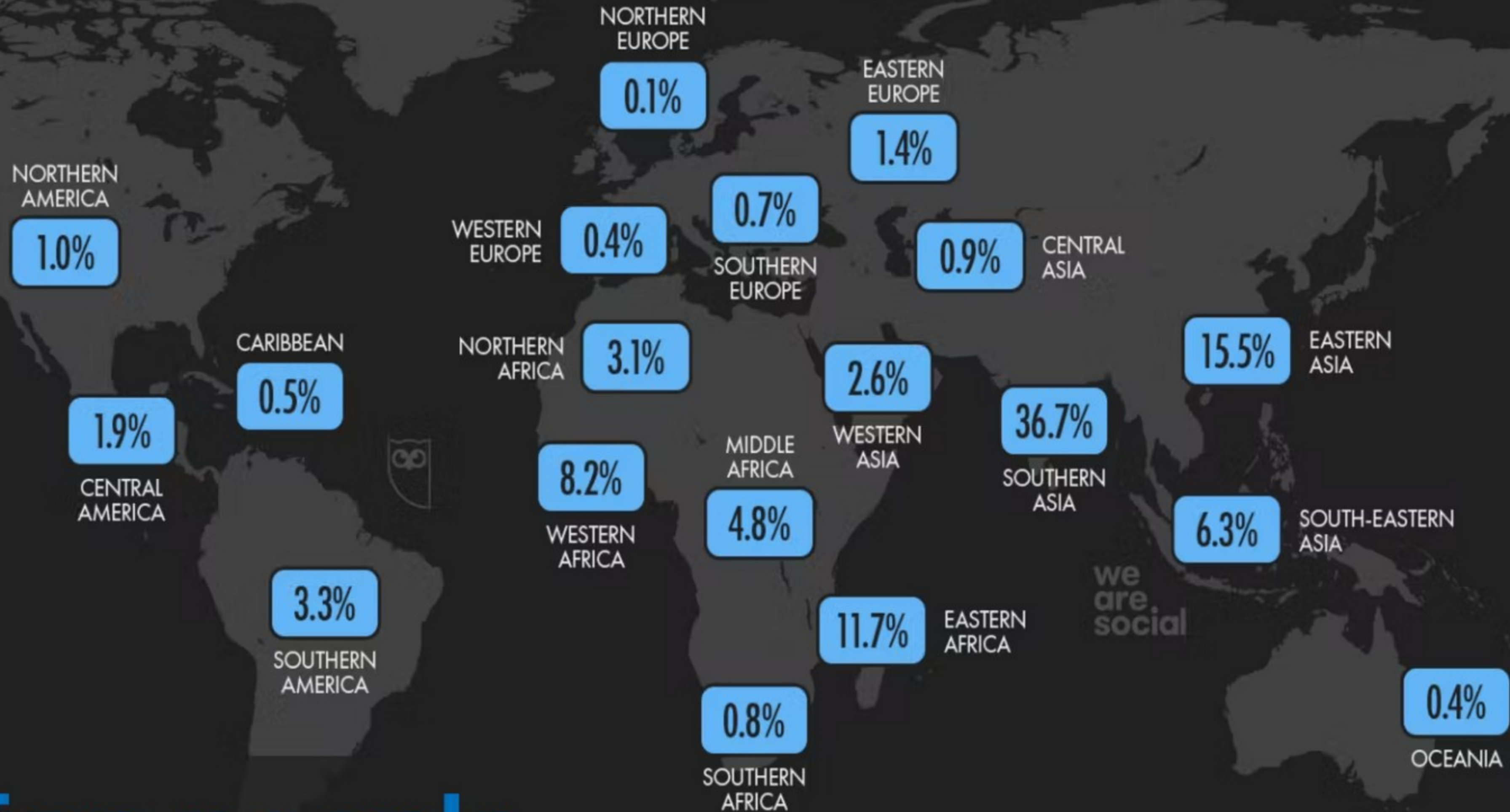
APR
2022

SHARE OF THE WORLD'S OFFLINE POPULATION

PERCENTAGE SHARE OF THE WORLD'S TOTAL OFFLINE POPULATION

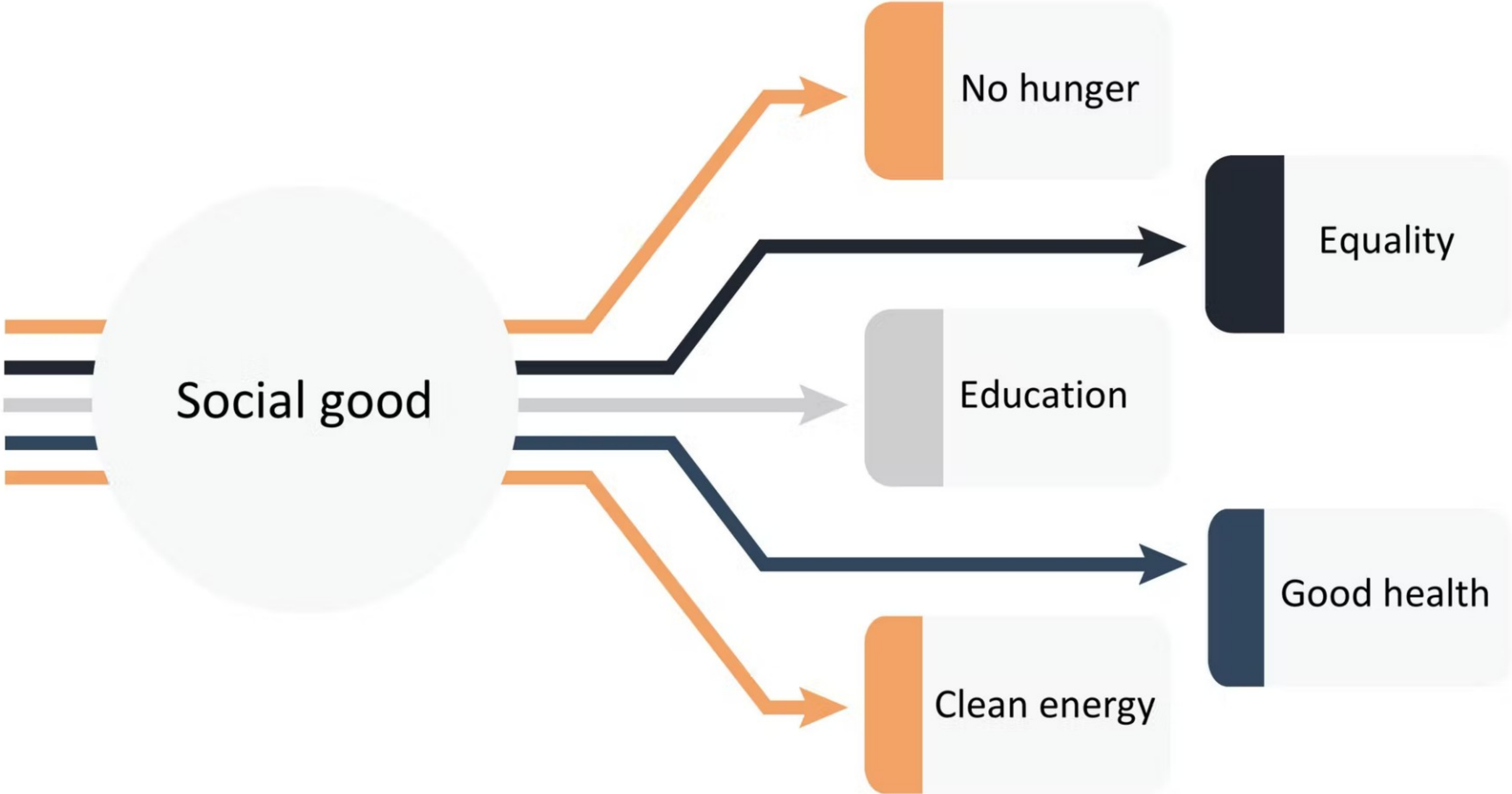
Mentimeter

GLOBAL OVERVIEW



2.9 billion people

we
are
social



Social good

No hunger

Education

Clean energy

Equality

Good health

**How to
use Tech
for social
good**



ROBEAU.

Robeau is a turn-key solution, using IoT LoRa protocols - we deliver sensors and data platform to manage water consumption. With our **IoT LoRa sensors**, and our **Data Management Application**, save between 25% and 40% on your water consumption bill. We created a **real time indicator of consumption** for all kinds of building and dwelling. Set up your alerts (text message or email) on each sensor to **detect leaks** and over consumption in **real time**. Sensors also available in **MID version**, Today, this is the **BEST IoT Solution for water management in real time**.

Rainergy (<https://www.rainergy.co/>)

Rainergy is a device which gets electricity from rainwater to solve the problem of energy deficiency in rainy countries. Our device consists of 4 major parts. Rain collector fills the water tank with rainwater which then goes through the electricity generator at high speed and generates the electricity through the motion created by the wheel. Then the electricity is stored in the accumulator for the further implementation. We built its 3 prototypes at the laboratory. Our first prototype lightens up only 3 LED lamps. The second prototype lightens up 22 LED lamps. And third and for now our last prototype which was made by professionals of Alternative Agency of Azerbaijan gives us 120 W of power if the rotor's rotation speed is 180 cycle per minute. Moreover, Rainergy reduces the amount of CO2 emissions to 10 g per KW/ H during the production of the electricity. This is very little CO2 amount compared to the other current alternative energy solutions.





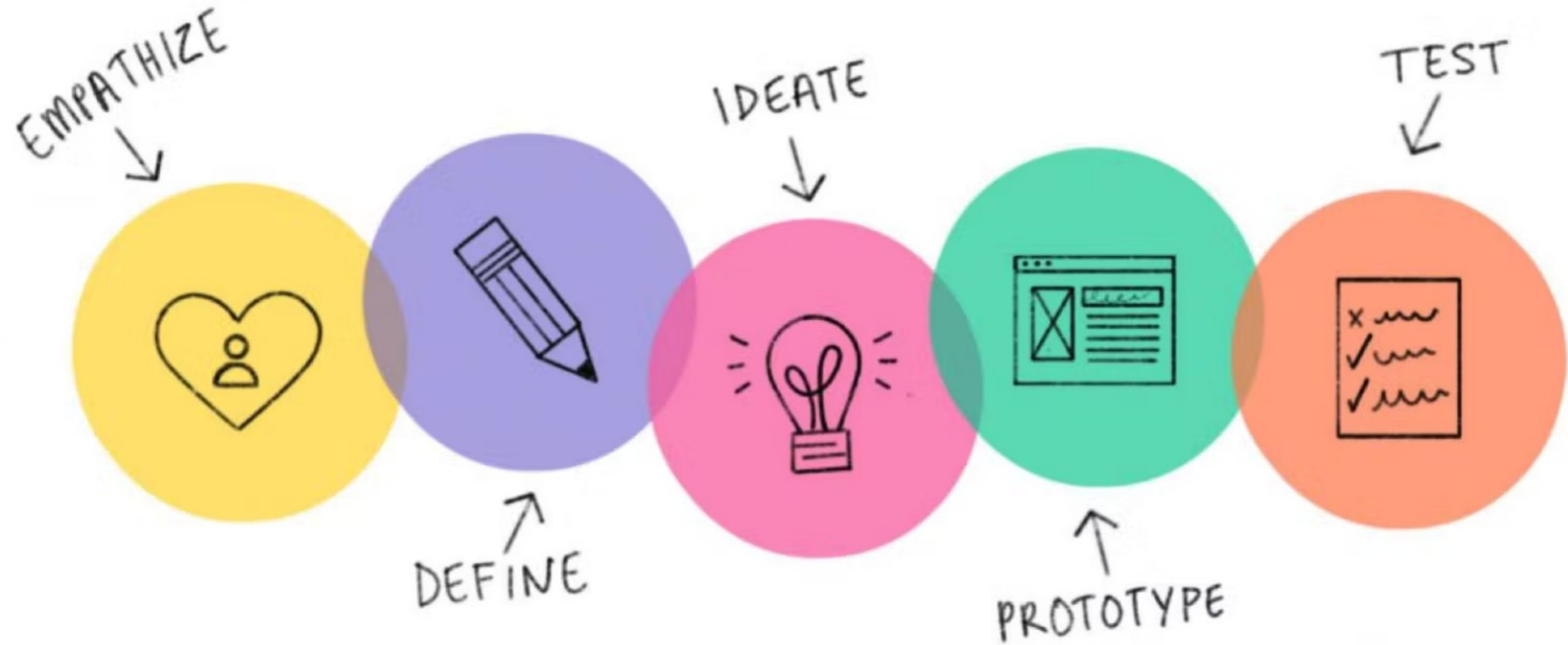
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Promoting Technological education



Design thinking to solve problems



Overcoming adversity

Zulfiyya, Alfiah, Tayma

What is adversity?

What kind of adversity have you faced?

Not sleeping enough

Not being able to understand the use of an application

Not speaking the local language

Physical Condition impacting social situations

Not being taken seriously because of my age

Procrastination

Lack of enough support on the work I do in the community

Mental health problems

Not being heard when it comes to exploring my passion.

What kind of adversity have you faced?

Late night workout

Parent issues

Lack of mentiorship

Not able to properly use applications

Lack of a connected device for my studies

Discrimination

Don't having the resources to access cutting edge tech

Adversity is a unfortunate or hard situation

Racism

What kind of adversity have you faced?

Being talked over in a room where ICT decisions are being made

Being misunderstood

Being scorned for being gender activist

Not speaking local language 😞

No access to import resources for my education

Unemployment

Lack of support from my family

Lack of internet and electricity

homophobia

What kind of adversity have you faced?

Education

Finding the path forward in a manner that is sustainable..

No money

Not having an opportunity to get access to digital devices

Lack of confidence

Struggling with mental health problems

Lack of skills

Proper education

No money and money

What kind of adversity have you faced?

No access to resources for tech inclusion in health

Getting rejected 4 times in the same month

Manque de formation

Doubting myself

Getting investment for my startup

Social adversity

Lacking technological tool to polish my passion in It

I faced the adversity of not having money

By seeking help from people who can be of help

What kind of adversity have you faced?

"Me" time (spending time with myself)

Talking to mentors or people who
overcame similar issues

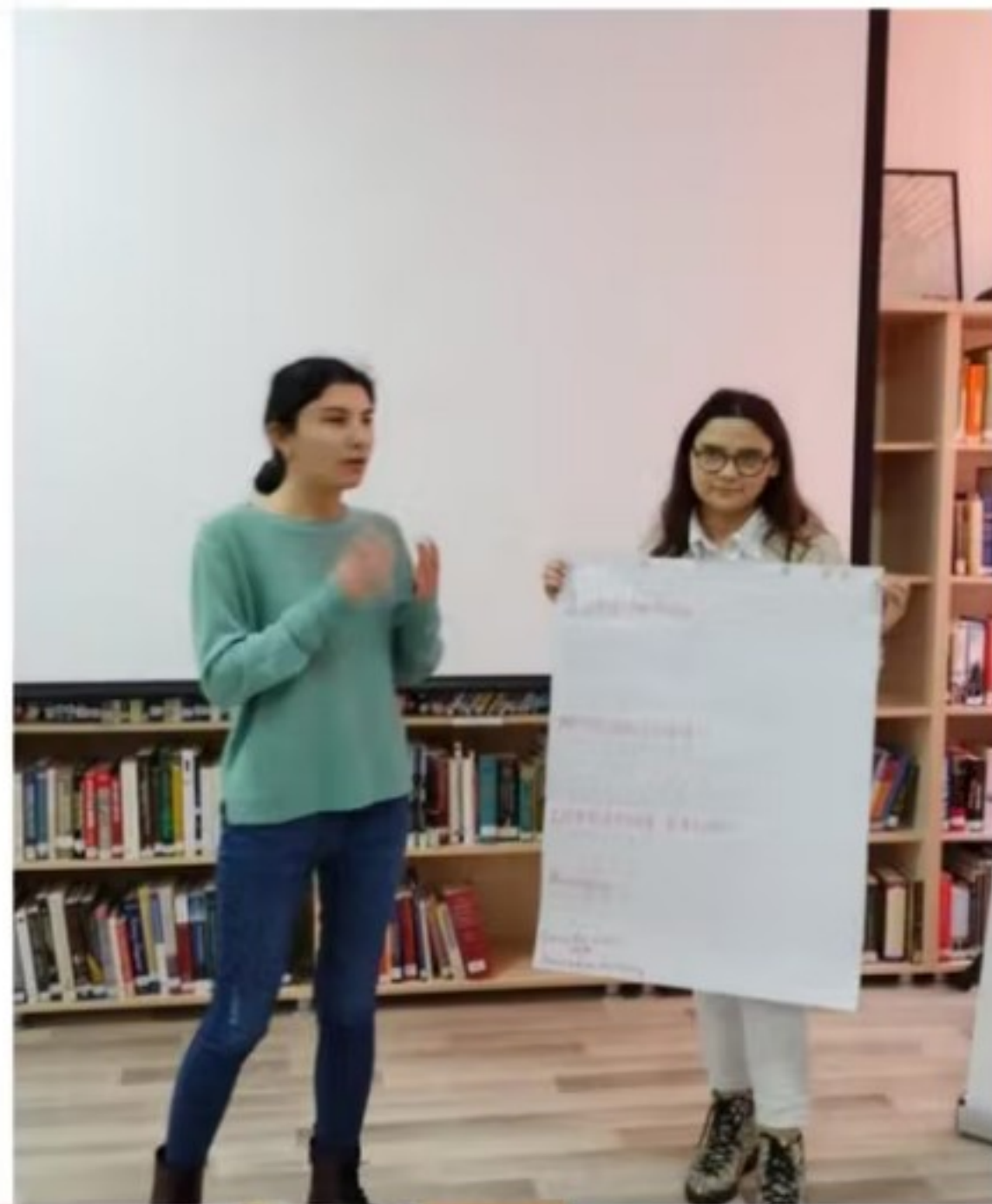
Viv

types of adversity

1. Physical Adversity
 2. Mental Adversity
 3. Emotional Adversity
 4. Social Adversity
 5. Financial Adversity
- others...

I can't
do it

Solution: Community-building



How would you overcome your adversity?

Community building!

SPEAKING UP

Power through it

Discussing my issues with a friend

Reading motivation book

Trusting that I am good enough!!!

Planning

Great mentors

Believing in myself

How would you overcome your adversity?

Praying

By networking

Advocating for myself

I made I list of what I have to do in a particular period of time

Standing up and speak about the situation

Community

Talking to mentors

By getting in touch with the simple things that make life worth living. And knowing it will be okay.

Being inclusive in the community

How would you overcome your adversity?

Collaborations

Tech Trainings for digital skills

Not looking down on myself

Ask for help

Seek counselling

study the adversity

Talking to peers about it

speaking up so more people are aware of it

Solving the problem

How would you overcome your adversity?

Networking!

Force the world to move instead of you

Just study hard and concentrate on the problem in front of you

I can overcome it through inner passion and self confidence

Sharing your difficulties with a close friend

Not being too hard on myself and celebrating my successes

Improve

Sitting in solitude

Resillience

How would you overcome your adversity?

Collaborations

Find a partner

Able to express yourself

Being open about the challenges I have, and using the nearest resources to solve it

Patience

The way I overcome it is just to work hard and to learn new things

Being versatile and flexible

Keep networking to get possible angel investors or VCs

Mantras of gratitude. Even if all I happen to feel thankful for is being alive, then that's what is

How would you overcome your adversity?

Training and speaking with local friend

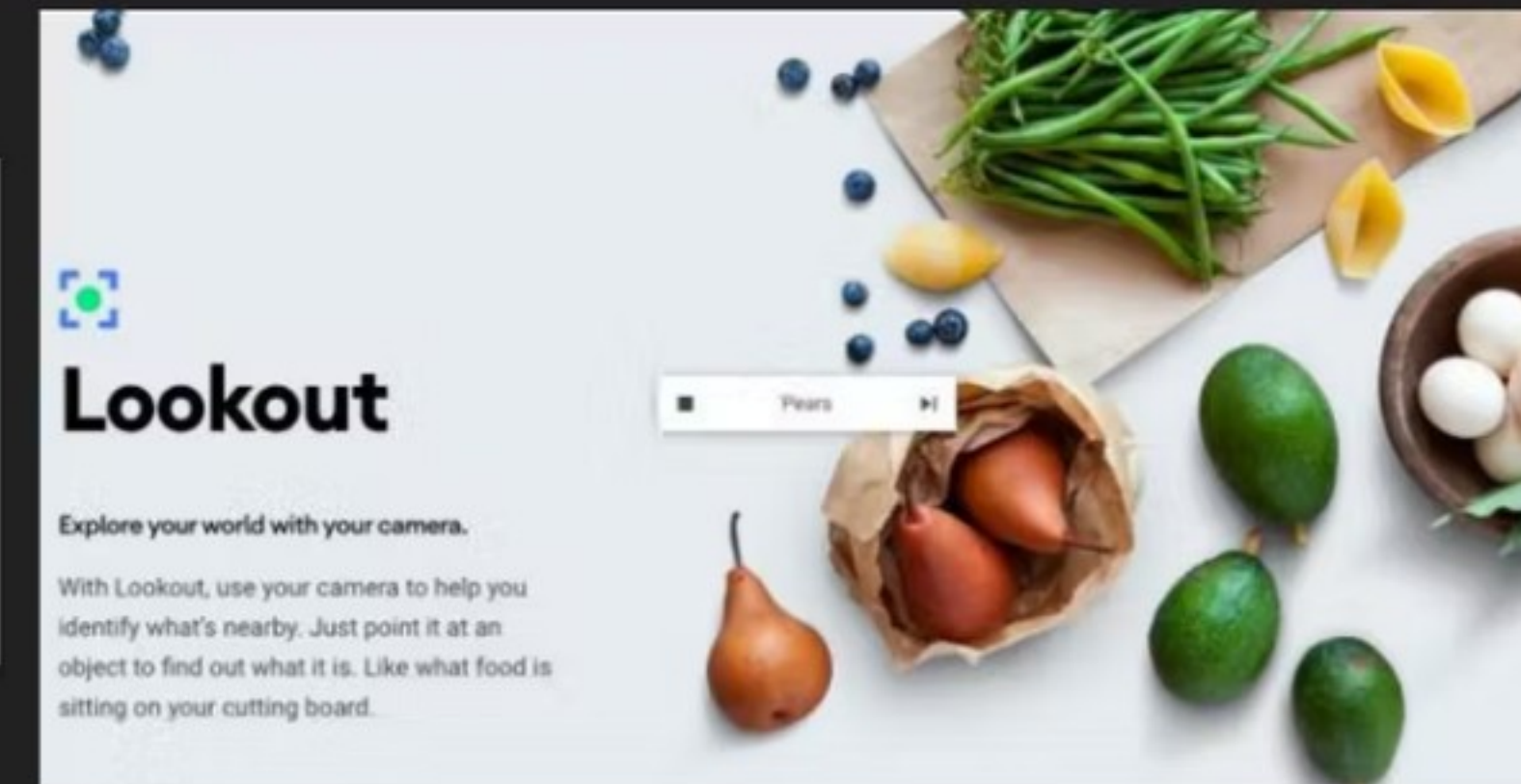
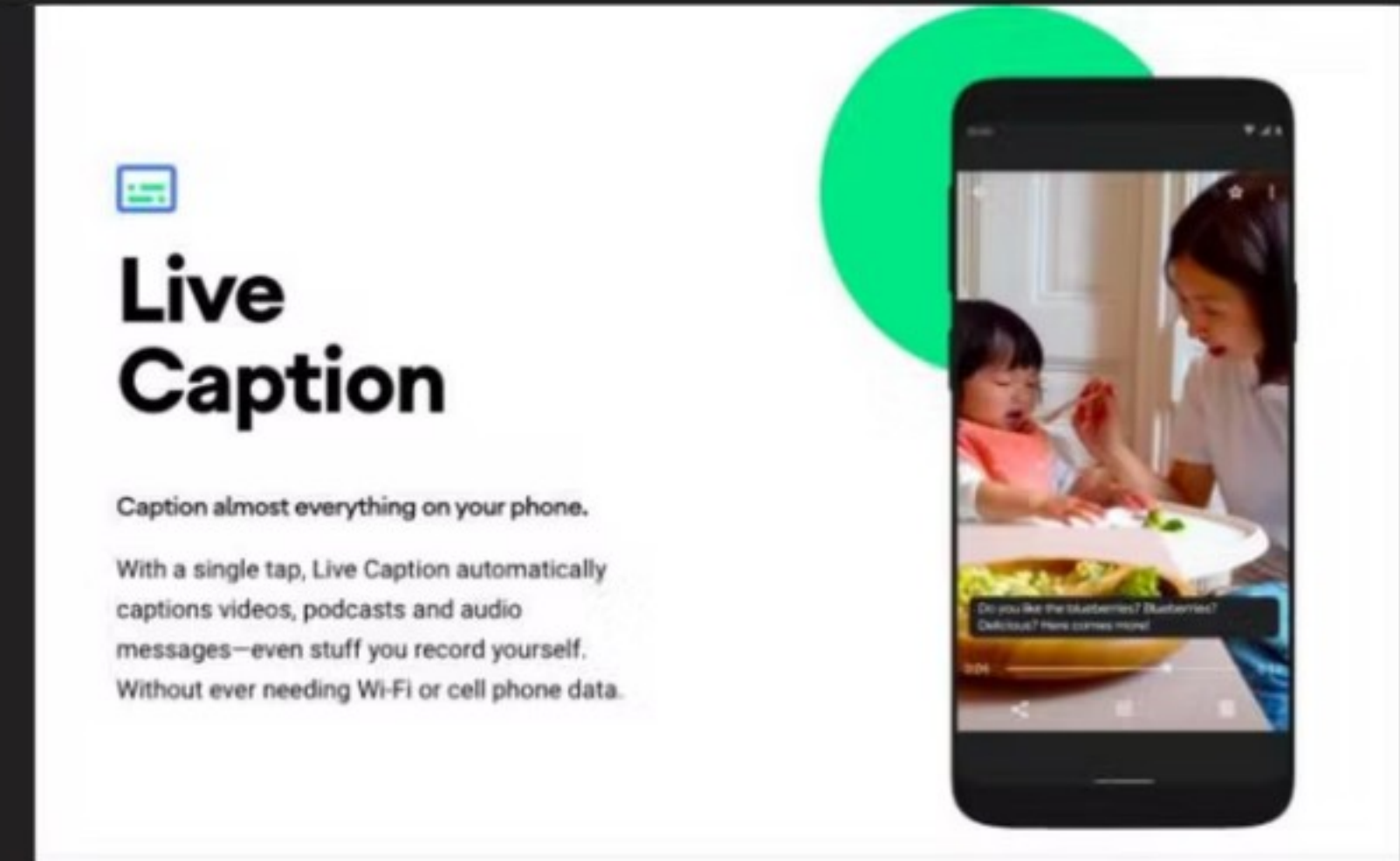
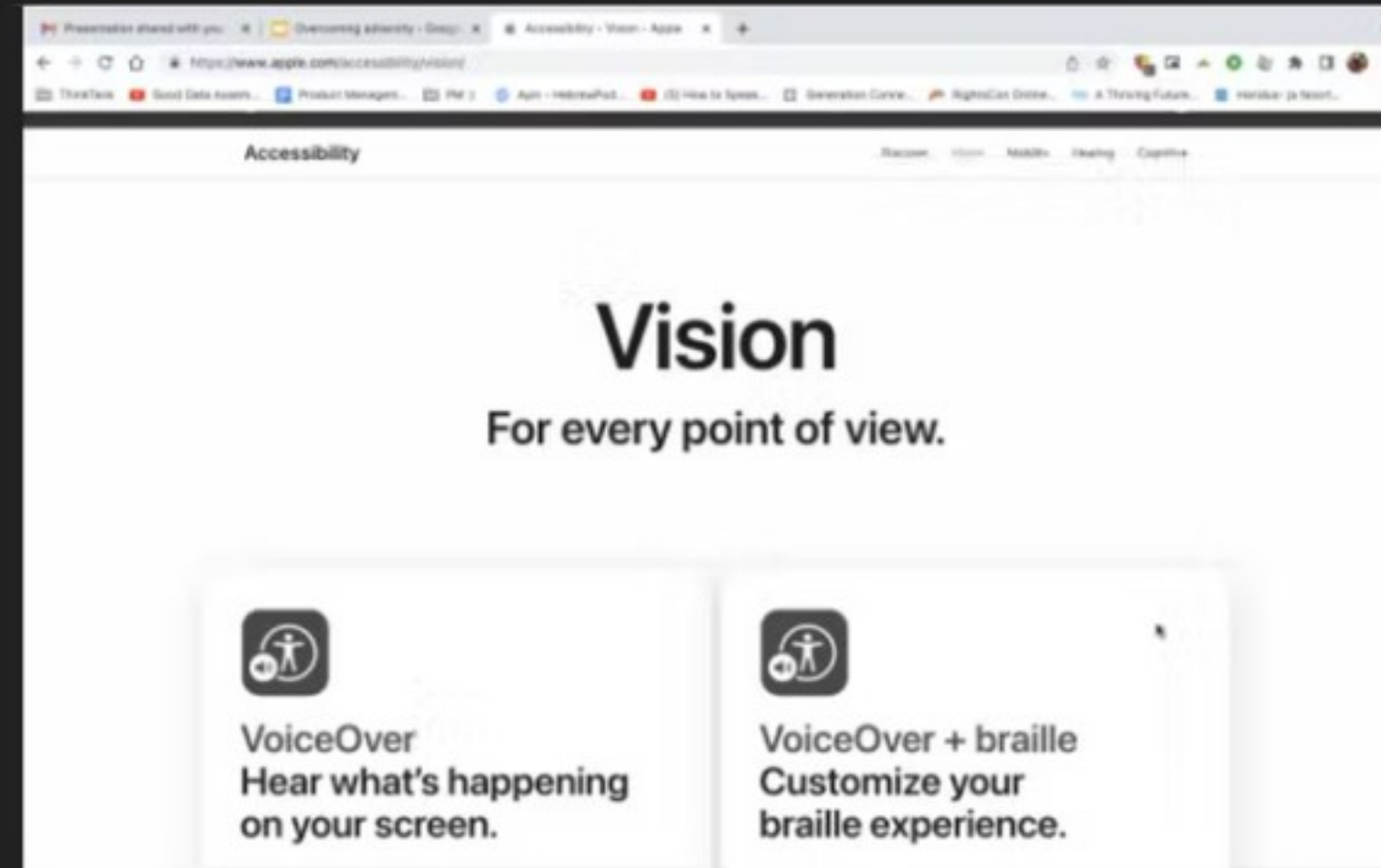
Changing my mindset, open to different possibly

Seeking advice

Speaking no to some thing wrong

The way I overcome this I just work hard and take a lot of training

Utilizing tech to overcome adversity



but it's still a long way to go..

Language

Price

Region

connectivity

awareness

That's why we need you to pitch in

Making Change in your own way



Who do you think is making the most impact?

International Institutions

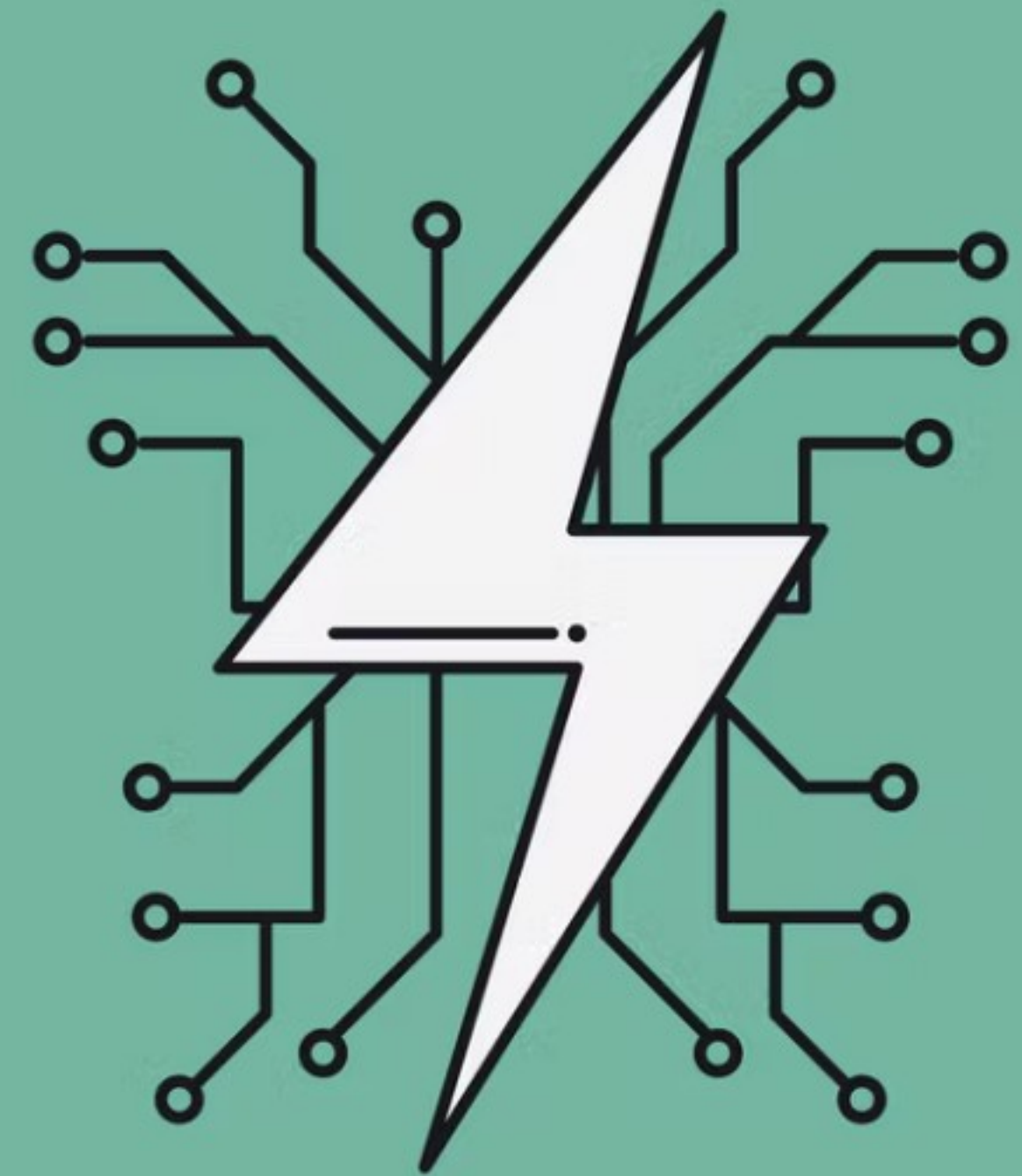


Community Activism



Youths as Agents of Change

How can we as young people leverage our skills, technology to bring about change in our communities and nations?



Ice Breaker: Mentimeter

What word(s) come to mind when you hear the word "CHANGE MAKER"



Storytelling

Listen to stories of selected gender champions, the work they are doing in their communities and how you too can get involved in your own community!

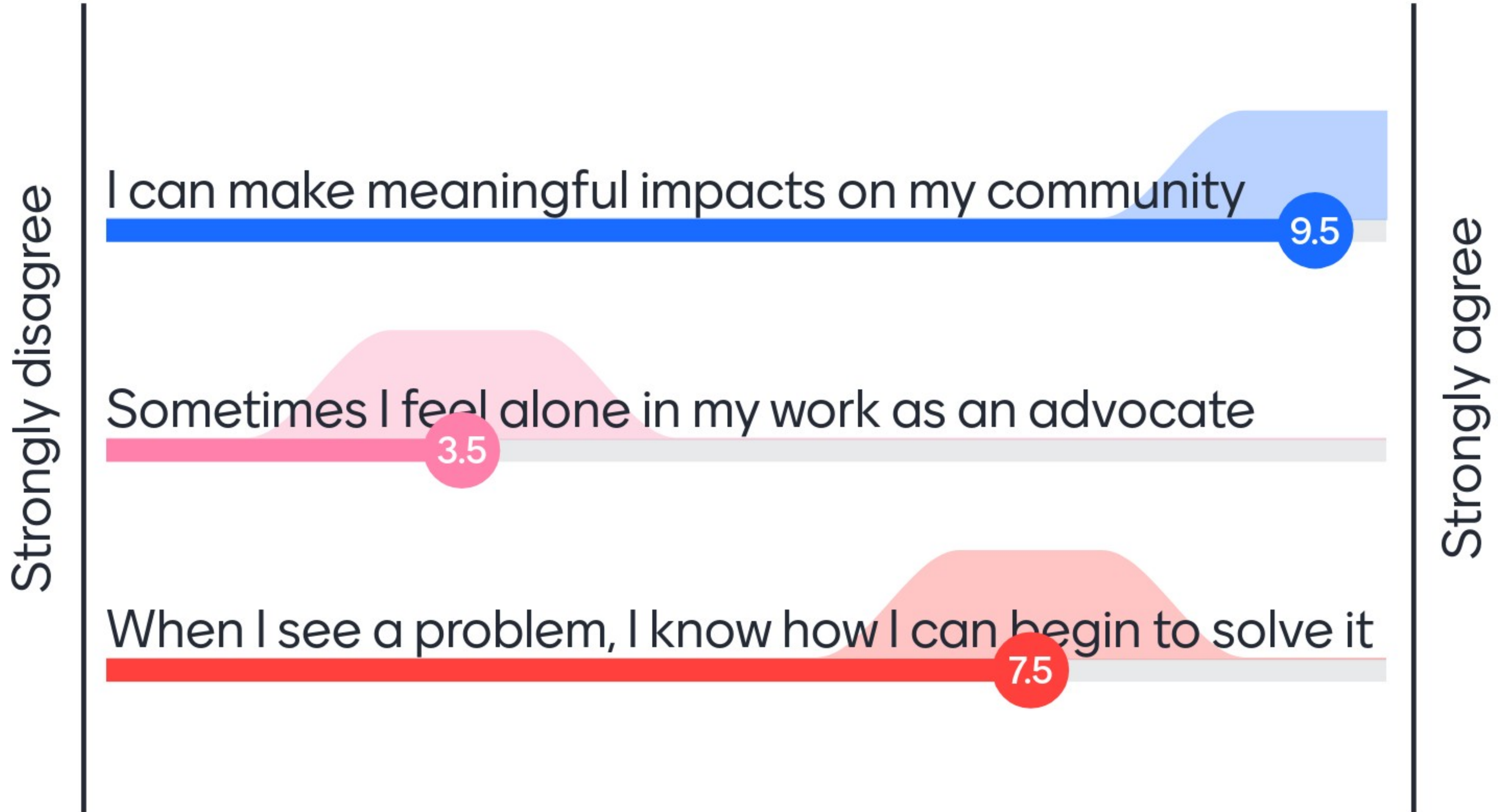


Riya



Jackeline







Thank you!

We hope you enjoy the rest of the Summit



Scan me