

PARTNER GUIDE

SUPPORTING AND HOSTING CODING ACTIVITIES AS PART OF AFRICA CODE WEEK 2017

18-25
OCT
2017



United Nations
Educational, Scientific and
Cultural Organization

With the participation
of UNESCO

YouthMobile 

CTSC
CapeTownScienceCentre



SEQUENCE



1.

BIRTH OF A
CONTINENT-WIDE
PHENOMENON



2.

HOW IS AFRICA CODE
WEEK **SUPPORTED** IN
EACH COUNTRY?



3.

GOING IN THE
CLASSROOM!



4.

PARTNERSHIPS
OPPORTUNITIES



BIRTH OF A CONTINENT-WIDE PHENOMENON...

“REMARKABLE SUCCESS”



**“LAGOS LAUDS SAP
AFRICA CODE WEEK TO BRIDGE
DIGITAL SKILLS GAP”**

**“HISTORIC. ARGUABLY THE FIRST
INITIATIVE OF ITS KIND ON THE CONTINENT.”**

Savious Kwinika, Founding CEO &
Editor-in-Chief of CAJNews Africa

**“AN OPPORTUNITY TO
MARVEL AT WHAT THE
FUTURE HOLDS.”**

Bill McDermott, CEO, SAP

**“AFRICA CODE WEEK RETURNS TO
THE CONTINENT IN A BIG WAY”**



March 8, 2016: SAP - Africa Code Week won the 'Education of the Future' award from the World Communications Forum in Davos.

AN AWARD-WINNING INITIATIVE



MIT IDE
INCLUSIVE
INNOVATION
COMPETITION

Sep 27, 2016: Africa Code Week **won** the Judges' Choice Award in the Corporate Initiative Category - celebrating organizations that create economic opportunity in the digital era.



Gold Award for SAP
Africa Code Week

The International
CSR Excellence
Awards

August 2016:
Africa Code Week
was a **finalist**
for the Hasso Plattner
Founders' award.



Celebrate

Innovation.
Entrepreneurialism.
Courage.



The Community
Foundation for Ireland

Feb 2017: SAP ACW won the
'International Philanthropist of the Year'
award from the Community Foundation
for Ireland.

SAP

REACHING FOR THE STARS



CHILDREN &
YOUTH ENGAGED

TARGET

COUNTRIES



500,000

20,000

150,000

17

30

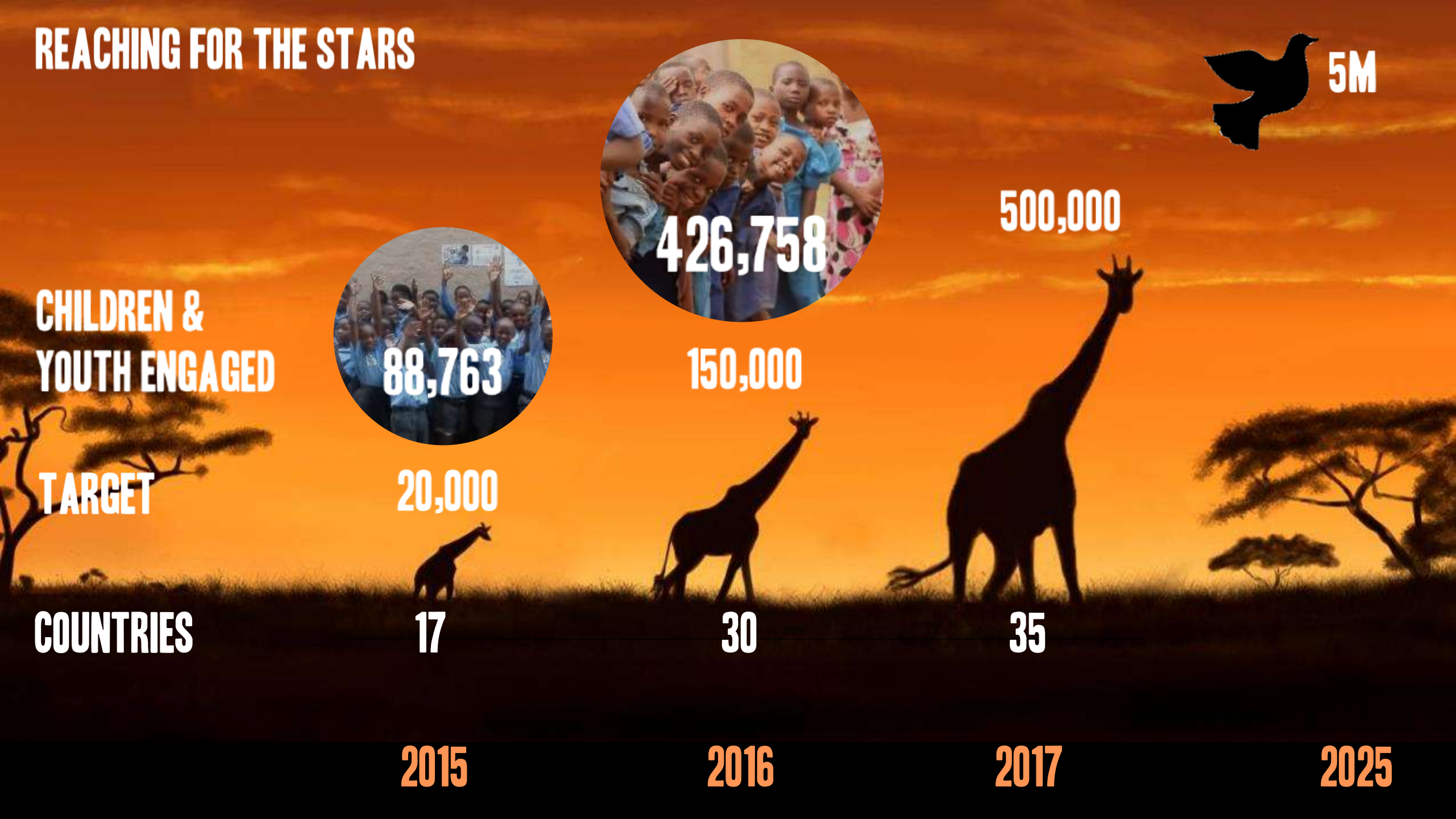
35

2015

2016

2017

2025





2017: BIGGER, BOLDER, BETTER

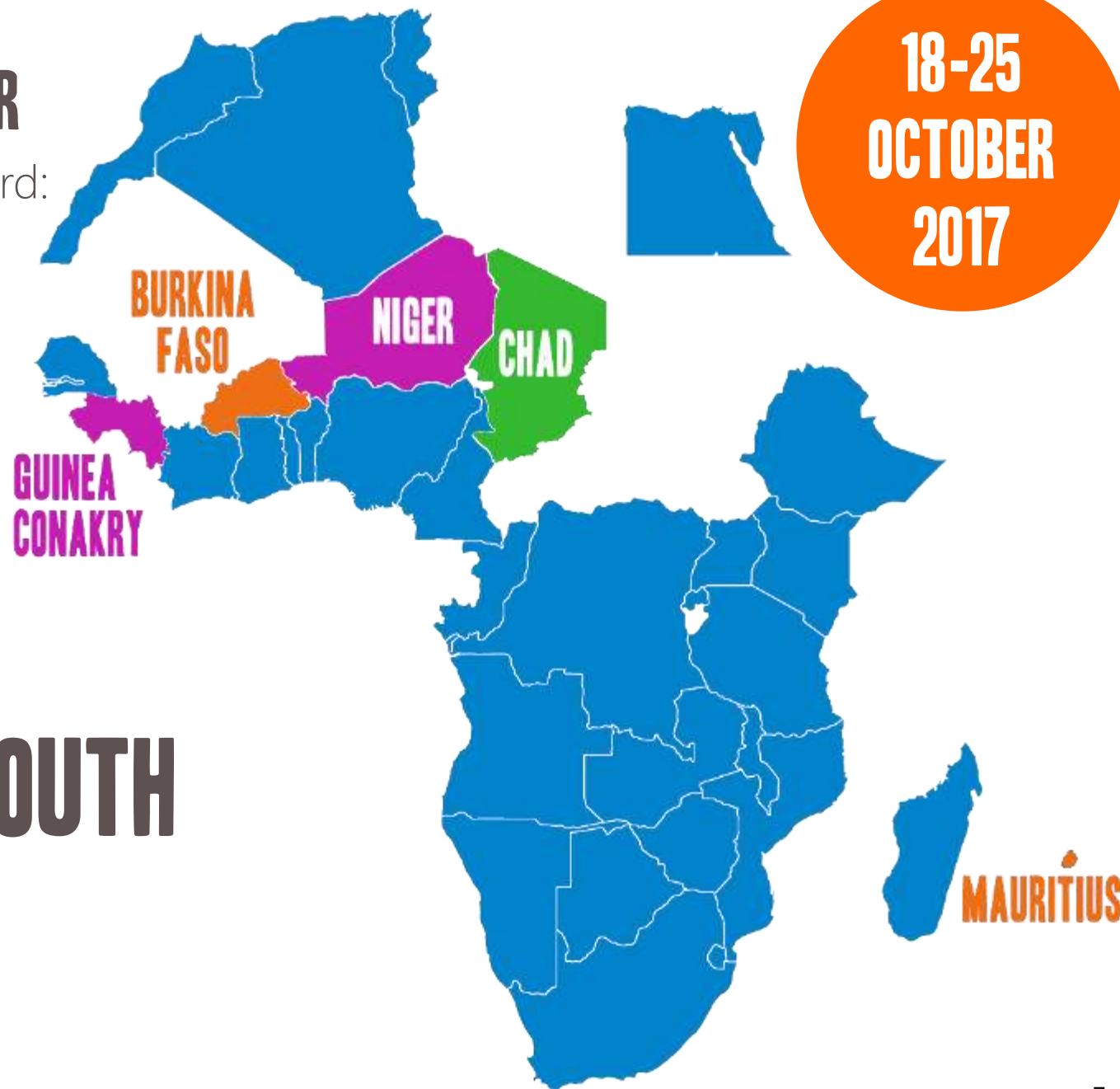
5 new countries onboard:

18-25
OCTOBER
2017

1 WEEK

35 COUNTRIES

500,000 CHILDREN/YOUTH



MOMENTS IN TIME...



Togo – Oct. 2015
RAISSA TOUCHES A
COMPUTER FOR THE
FIRST TIME



Tunisia – Oct. 2016
12-YEAR-OLD **HAZIZ**
TEACHES CODING TO
HIS CLASSMATES



Botswana – Jul. 2016
KGOSI LEWANIKA MPATANE,
FIRST VILLAGE CHIEF TO
BECOME CODING INSTRUCTOR



Rwanda – Apr. 2016
REFUGEE GIRLS BOARD
THE CODING BUS AT
KIGEME REFUGEE CAMP



48.6%
GIRL
PARTICIPATION
IN 2016 CODING
WORKSHOPS

#GIRL POWER...

...IS A #GIRLEMPowered

“ Let’s face it: Too many young women are standing clear of ICT careers because they feel unsupported. Our role is not just to encourage African girls and women to see technology and entrepreneurship as a viable career option. We also need to gather a critical mass of key stakeholders and role models to nurture them and support their hunger for learning, creative ventures and dreams for change. ”

CLAIRE GILLISSEN-DUYAL

Director of EMEA Corporate
Social Responsibility at SAP

Co-founder & Global Lead,
Africa Code Week

#ESKILLS4GIRLS INITIATIVE

May 9th , 2017: Digital skills development for African girls and women received a major boost at the first #eSkills4Girls Africa Meetup held ahead of the Transform Africa Summit in Kigali, Rwanda. The event aims to create a platform for female tech leaders in Africa to share experiences and knowledge, and brought together entrepreneurs, activists and mentors who are involved in initiatives aimed at improving girls' digital skills and participation in the digital world.

#GIRLPOWER
IS A #GIRL
#EMPOWERED



Federal Ministry
for Economic Cooperation
and Development



United Nations
Educational, Scientific and
Cultural Organization

With the participation
of UNESCO

YouthMobile 



#ESKILLS4GIRLS

May 9th , 2017: Digital skills development for African girls and women received a major boost at the first #eSkills4Girls Africa Meetup held ahead of the Transform Africa Summit in Kigali, Rwanda. The event aims to create a platform for female tech leaders in Africa to share experiences and knowledge, and brought together entrepreneurs, activists and mentors who are involved in initiatives aimed at improving girls' digital skills and participation in the digital world.



Federal Ministry
for Economic Cooperation
and Development



United Nations
Educational, Scientific and
Cultural Organization

With the participation
of **UNESCO**

YouthMobile

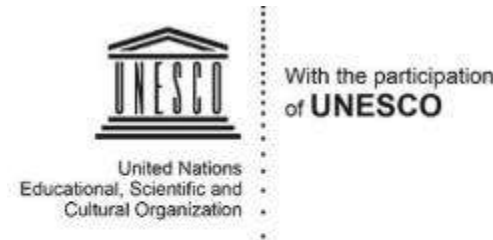
CAUTION!
CODING MAY
CAUSE TOO MUCH
FUN!
AFRICA CODE WEEK.ORG

2. HOW IS **AFRICA CODE WEEK** SUPPORTED IN EACH COUNTRY?

**OVER 100 PARTNERS
ALREADY**



Spanning local governments, NPOs, NGOs, educational institutions & businesses.



In 2016, **UNESCO** joined as a strategic partner to promote and support Africa Code Week activities through their Youth Mobile initiative.




In 2015 and 2016, **Google** joined ACW as a strategic partner to support local organizers of CS and coding activities all over Africa.



 UNESCO

 Germany

 Mauritius

 Morocco

 Tunisia

 Ghana

 Togo

 Cameroon

 Ivory Coast

 Rwanda

 South Africa

 Lesotho

 Zimbabwe

 Swaziland

 Botswana

Director-General Irina Bokova



President Ameenah Gurib-Fakim

Ministry of Education
& Vocational Training

Ministry of Education

Ministry of Education

Ministry of Post & Digital Economy

Ministry of Education

Ministry of Education

Ministry of Education
Ministry of Youth & ICT

Western Cape Education Ministry

Ministry of Education
Ministry of Science & Technology

Ministry of Pri. & Sec. Education

Ministry of Education

Ministry of Basic Education

WHO DOES WHAT

COORDINATORS AND AMBASSADORS

Champions of the initiative in their respective communities and circles of influence, they receive active support from the ACW Global Coordination team with regards to planning, funding and communications.



IN EACH COUNTRY?

IMPLEMENTING PARTNERS

They are either government bodies, NGOs, innovation hubs, community centers or businesses eager to empower local youth with digital skills.

SAP EMPLOYEES

In preparation for live October events, SAP deploys its own teams of skilled volunteers as part of its Corporate Social Responsibility Program. Their mission: train thousands of teachers, parents and local volunteers throughout the year, all over Africa.

"There is only one way to transform Africa's 'youth bulge' into an unprecedented opportunity for growth and social peace: Education. The Republic of Mauritius is keen to support and participate in Africa Code Week this year and I look forward to working with all stakeholders from the public and private sector to drive STEM skills development nationwide and across the African continent."



Mauritius, 18 June 2017:
President Gurib-Fakim officially launched Africa Code Week 2017 to the press and partners, announcing her high patronage of the initiative in 2017.

From left: **Claire Gillissen-Duval** (Director of EMEA CSR SAP & Africa Code Week Global Lead),
President Gurib-Fakim, **Clas Neumann** (Senior Vice-President, Head of SAP Labs Network)

H.E. DR. MRS. AMEENAH GURIB-FAKIM

President of the Republic of Mauritius
High Patron of Africa Code Week in 2017

Ambassadors are local anchors for Africa Code Week event orchestration, questions and support.

Official Representatives for Africa Code Week in their country, Ambassadors play a major role in ensuring the successful rollout of coding activities on a national scale.

WHO IS THE ACW AMBASSADOR IN MY COUNTRY?

Find out now!



AMBASSADORS

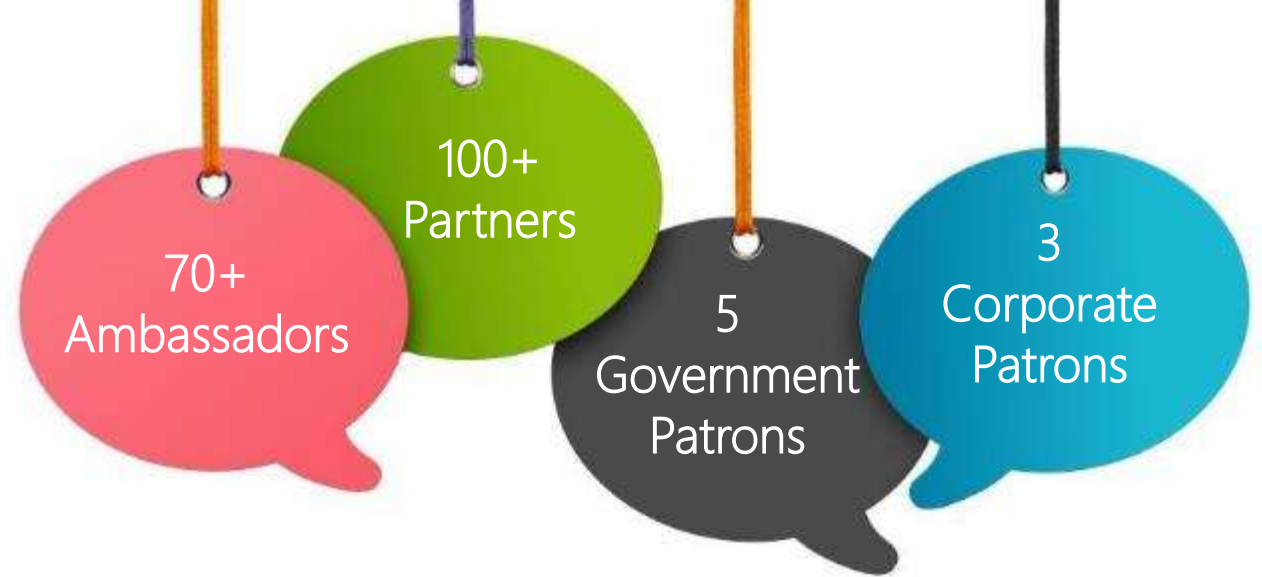
A vital player on the tech scene, the ambassador is sensitive to matters of social and entrepreneurial innovation, education and development.

He/she has a dynamic network as well as a sound knowledge of target communities, so as to be able to support, promote and spread coding literacy as part of Africa Code Week. He/she relies on a network consisting of all ACW Ambassadors and all members the ACW team.

BECOME AN AMBASSADOR!

Please write to Julie:
info@afRICACodeWeek.org

[HTTP://WWW.AFRICACODEWEEK.ORG/ABOUT/AMBASSADORS](http://www.AFRICACODEWEEK.ORG/ABOUT/AMBASSADORS)



"Large-scale literacy initiatives such as ACW prove that public-private partnerships can be a strategic means to affect change. We are proud to be part of this programme."



OBAFELA BANK-OLEMOH
Special Adviser on Education
Lagos Government, Nigeria



RACHID BENMOKHTAR
Moroccan Minister of Education
& Vocational Training

"The viral impact of Africa Code Week in Morocco is a perfect example of how governments can leverage continent-wide initiatives like Africa Code Week to encourage ICT teaching in schools while driving engagement among students and teachers alike."



OVER **10,000** TEACHERS TRAINED SO FAR

Ratio of
76
youth
trained per
teacher



“ In the knowledge sharing age we live in, skilled volunteering is the cornerstone of Africa Code Week’s sustainability and its ability to positively impact the lives of millions of young people along the way. Hence the importance of Train-the-Trainer events, where SAP Master Instructors empower local youth to become the next expert coding teachers.



Claire Gillissen-Duval with Micasa music band during a Train-the-Trainer in Rwanda, May 2016

Leveraging freely accessible materials and teaching tools, Train-the-Trainer events provide a sound, replicable structure for inter-group knowledge sharing, unlocking the potential of people to serve as resources for each other. ”

CLAIRE GILLISSEN-DUVAL

Director of EMEA Corporate Social Responsibility at SAP
Co-founder & Global Lead, Africa Code Week



CODING IN THE CLASSROOM!

ALL IN AGREEMENT

LEARNING TO CODE...

"teaches you how to think."

Steve Jobs

"makes kids feel empowered, creative, and confident."

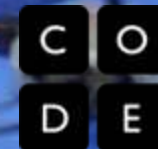
Susan Wojcicki, Senior Vice President, Google

"stretches your mind, and helps you think better, creates a way of thinking about things that is helpful in all domains."

Bill Gates, Chairman, Microsoft

#THINKLIKEACODER


More quotes:



"All of my friends who have younger siblings who are going to college or high school - my number one piece of advice is: You should learn how to program."

Mark Zuckerberg
Facebook CEO

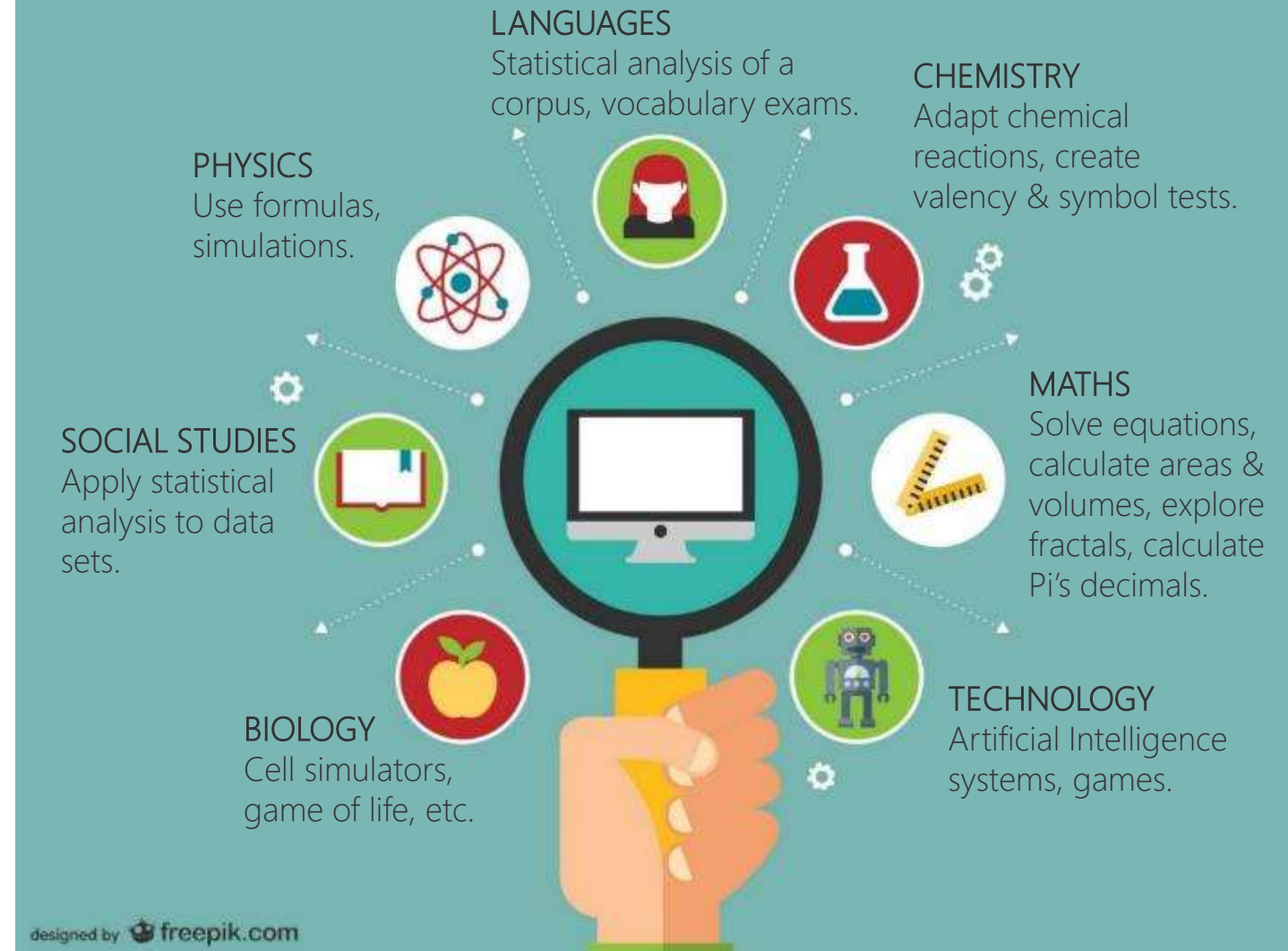


A photograph of Richard Branson, founder of the Virgin Group, smiling and looking out from a hot air balloon basket. The basket is made of wicker and has various mechanical parts and ropes visible. The background is a clear blue sky.

I learned how to fly a hot air balloon when I was 30,000 feet up and my life was in the balance: you can learn skills at any age but why wait when we can teach everyone to code now?

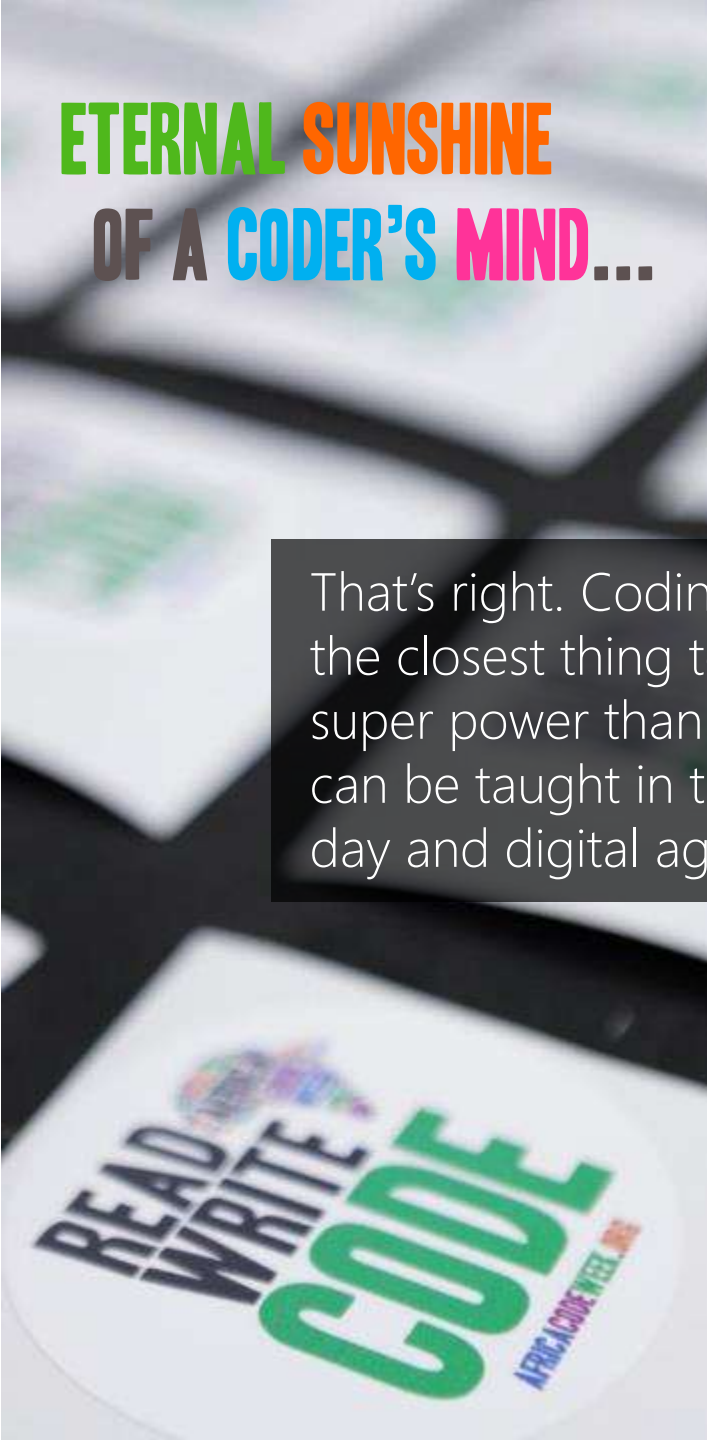
Whether we're fighting climate change or going to space, everything is moved forward by computers, and we don't have enough people who can code.

RICHARD BRANSON
FOUNDER, VIRGIN GROUP



CODING IS A CROSS-CURRICULAR SUBJECT

Once you master the basis and start writing lines of code, you can leverage this to start solving a variety of problems from virtually any other subject.

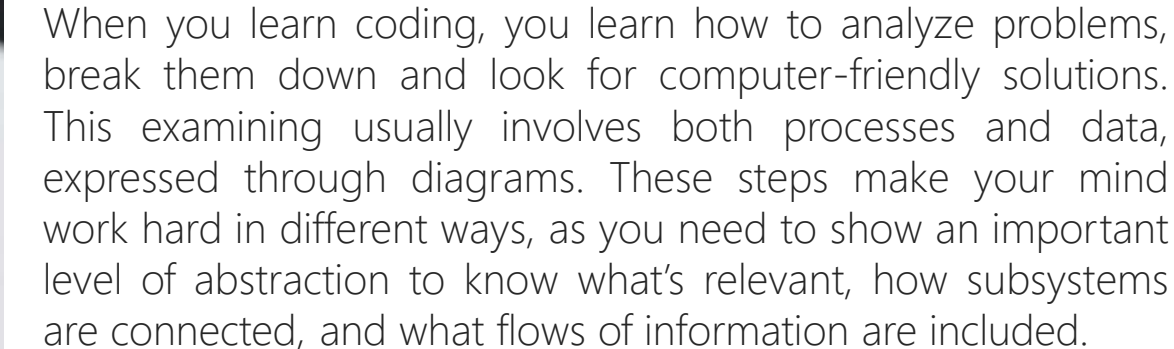


ETERNAL SUNSHINE OF A CODER'S MIND...

That's right. Coding is the closest thing to a super power than can be taught in the 21st day and digital age.

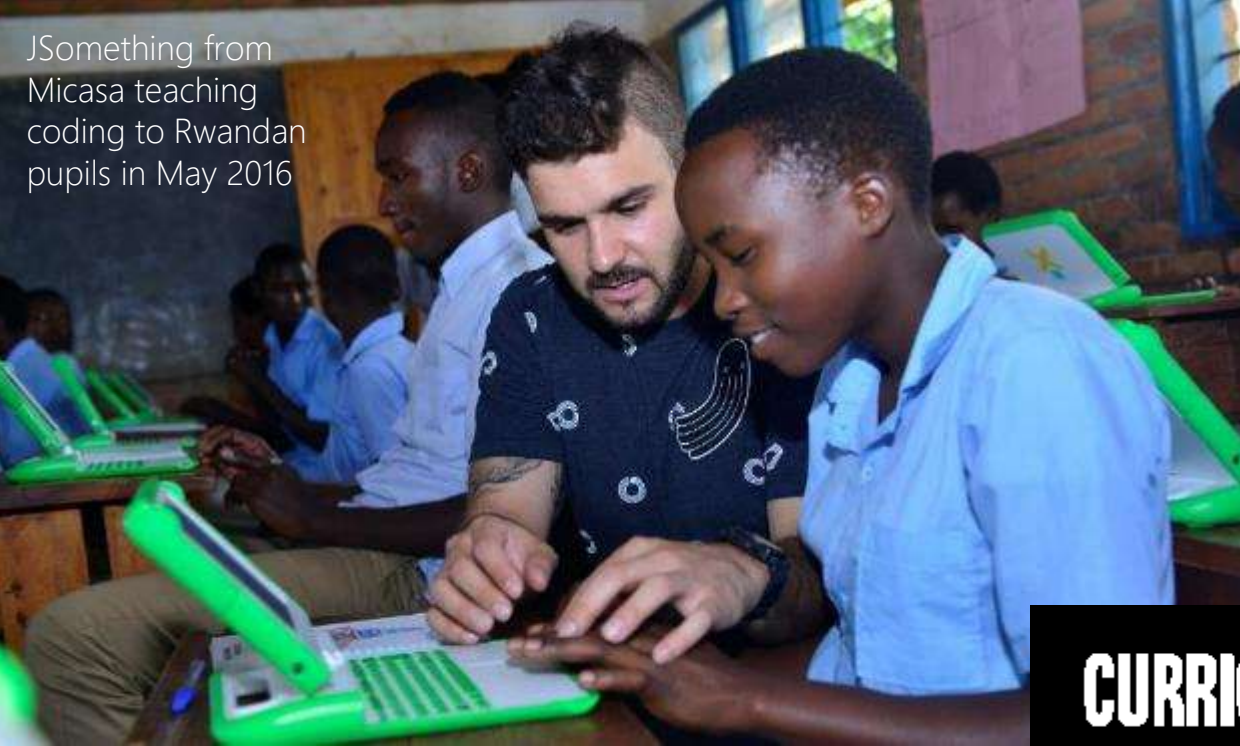
READ
WRITE
CODE
AFRICACODE WEEK

That's right. Coding is the closest thing to a super power than can be taught in this day and digital age...



Coding and creativity go hand in hand. Problem solving usually needs blasts of creativity in every field, especially when designing games or multimedia related materials.

JSomething from
Micasa teaching
coding to Rwandan
pupils in May 2016



CURRICULUM

8-17: LEARN CODING WITH SCRATCH

A free application developed by the MIT to simplify the face of coding for the young generation – currently used by millions of kids worldwide to become coding experts and share their creative projects (15M shared on scratch.mit.edu so far!)

18-24: WEB PROGRAMMING MASTERCLASS

Offering an introduction to Web Technologies (HTML, CSS, Javascript, PHP, SQL), this workshop gives students a good understanding of a typical website architecture and teaches them to create a fully operational, mobile-friendly website.



Web Development
workshop at MuvaTech.
Mozambique, Oct 2016

ACW CLASSES

8-11



FOR YOUTH:

CODING FROM SCRATCH!



FOR TEACHERS:

**TRAIN-THE-TRAINER
SCRATCH LEVEL 1 & 2**

12-17



CODING FROM SCRATCH!



**TRAIN-THE-TRAINER
SCRATCH LEVEL 1 & 2**

18-24



**JOIN OUR WEB PROGRAMMING
MASTERCLASS AND BUILD YOUR
OWN WEBSITE!**

**TRAIN-THE-TRAINER
WEB PROGRAMMING**

openSAP FREE ONLINE COURSES



Enroll today! All materials are also accessible offline for those with limited Internet access.



‘TEACHING PROGRAMMING TO YOUNG LEARNERS’

For teachers, parents and guardians of children aged 8 to 11



‘TEENS GET CODING!’

For teens eager to get coding from Scratch

Starts September 26!

Free of charge

4-6 hours of learning

Enroll anytime

Record of Achievement earned



WHAT DO I NEED TO HOST A WORKSHOP?

A GROUP OF PEOPLE WILLING TO LEARN

Pupils, students, coworkers, friends, employees.
Remember: 2 is a group already!

ONE OR MORE TEACHERS OR FACILITATORS

No need to be professional programmers!

A PLACE TO BE AT

Don't try to stuff too many people in a windowless room because nobody enjoys coding with a headache.

COMPUTERS WITH BROADBAND INTERNET

Make sure they already have Scratch installed and provide participants with instructions on how the installation can be done on their own devices.

CHECKLIST FOR A SUCCESSFUL WORKSHOP

1. VENUE

- ☐ A quiet, ventilated area equipped with PCs (i.e.: classroom, meeting room, library, etc.)
- ☐ Room setup shall facilitate group exchange and team work.

2. HARDWARE & SOFTWARE

- ☐ PC workstations (the Scratch offline version allows you to run a workshop without Internet access).
- ☐ 1 mouse per workstation.
- ☐ 1 video projector per instructor.

3. SCRATCH SOFTWARE — OFFLINE VERSION

- ☐ You can download it here: <https://scratch.mit.edu/scratch2download/>
- ☐ Scratch must be installed on every single PC before the workshop starts. Tutorials are available here: https://scratch.mit.edu/projects/editor/?tip_bar=home (click on the globe icon in the top left corner to choose your language. Translated tutorials will then appear on your right)

- ☐ On the openSAP platform, a free MOOC called 'Teaching programming to young learners' (specifically designed for Africa Code Week) will be available again in 2016.

4. DURATION

- ☐ 60 minutes is the ideal duration for such beginner workshops.

5. RATIOS

- ☐ 1 PC for 2 kids.
- ☐ 1 main instructor presenting Scratch with the video projector.
- ☐ Additional trainers/coaches scattered across the room to assist and guide children (typically 1 coach for 6/8 kids depending on their level).

6. ICING ON THE CAKE...

- ☐ Plan a little snack break!
- ☐ Request your Africa Code Week T-shirts and notepads!



A FEW MORE TIPS...

MAKE THE EVENT BEGINNER FRIENDLY...

Don't focus on the technicalities, try to show the fun and practical aspect of whatever technology is being used.

EVENT FORMAT IS UP TO YOU

But allow enough hands-on time for students to create something on their own.

USE WHATEVER TOOLS & TECHNOLOGIES YOU'RE MOST FAMILIAR WITH

Although we do recommend freely available open source tools and frameworks. Learning something completely new can be intimidating.

A SMILE AND A FRIENDLY ATMOSPHERE

Can help break the ice and make those, who don't consider themselves "technical" at ease.



4. **PARTNERSHIP** OPPORTUNITIES

“ Africa Code Week is shedding light on how public-private partnerships can be renewed in the digital age for greater impact. If young Africans see that governments, teachers, nonprofits and the private sector are working as one voice to deliver on joint education priorities, trust is seeded and they feel encouraged to start owning and living their dreams.”



CLAIRE GILLISSEN-DUVAL

Director of EMEA Corporate Social Responsibility at SAP;
Africa Code Week Global Lead.

TOGETHER, WE CAN...

TRAIN

skilled volunteers into coding instructors

CO-ORGANIZE AND MULTIPLY

coding workshops for children & youth with local science centres, schools, NGOs, etc.

LEVERAGE SYNERGIES

to empower the next generation of African leaders & entrepreneurs across 35 countries.

ENGAGE EMPLOYEES & PARTNERS

as skilled volunteers to teach code to hundreds of children & teens during Africa Code Week events.



“ The **SCALE** of the youth unemployment problem in Africa requires



BOLD,
AMBITIOUS

approaches (that) leverage

STRONG PARTNERSHIPS

to bring coherence and scale to employment interventions

ACROSS the continent. ”

AFRICAN DEVELOPMENT BANK

JOBS FOR YOUTH IN AFRICA 2016-2025 STRATEGY



YOUR MISSION, SHOULD YOU ACCEPT IT...

1. TRAIN

Teachers &
volunteers into
coding
instructors

2. MULTIPLY

coding
workshops for
children &
youth



- **Promote** coding as part of your digital agenda
- **Spread** the word through schools
- **Host** your own coding events and help more to take place
- **Source** Africa Code Week Ambassadors
- **Provide** trainers

CONTRIBUTION

GOVERNMENTS



BENEFITS

- **Foster** new skills and talents in a creative way
- **Join** an exceptional, global network of leading companies, opinion leaders, science centers & nonprofits
- **Leverage** our network, infrastructure, communications tools & open source learning platform to promote events
- **Measure** event impact on your country

NGOs



- Host events
- **Provide** trainers
- **Leverage** resources to invite underprivileged kids/youth to participate to coding workshops
- **Report** on event attendance for success measurement

CONTRIBUTION

- **Get** your trainers trained for free!
- **Leverage** our network, infrastructure, communications tools & open source learning platform to organize and host events
- **Engage** your community in a unique, continent-wide initiative

BENEFITS

CONTRIBUTION

- Spread the word
- Host events
- Invite teachers to participate
- Provide trainers
- Promote our free, open source learning platform & resources
- Report on events for success measurement

EDUCATIONAL
INSTITUTIONS



BENEFITS

- Get your trainers trained for free!
- Leverage our network, infrastructure, communications tools & open source learning platform
- Get the best teachers on board!
- Engage pupils/students and parents in a unique, continent-wide initiative



BUILD YOUR BRAND!

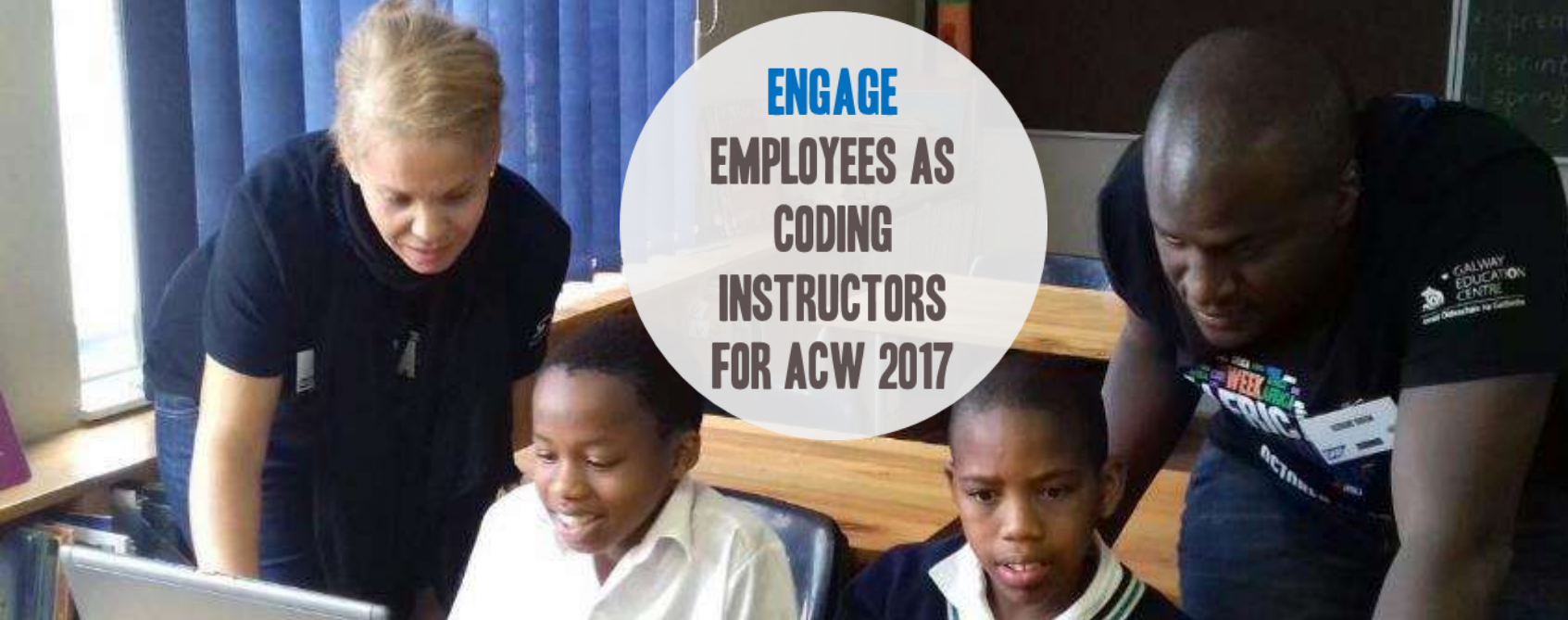
Position your company as a key actor on the tech scene, dedicated to fostering e-skills & talents amongst African youth.

TAKE YOUR CSR AGENDA...

to the next level of employee engagement and social impact with employees and partners taking creative action towards building Africa's future.

JOIN AND ADDRESS...

a pan-African & global network of leading companies, opinion leaders, science centers and nonprofits.



**ENGAGE
EMPLOYEES AS
CODING
INSTRUCTORS
FOR ACW 2017**

PARTNERSHIP OPPORTUNITIES



SAP

**SUPPORT THE
ACW WOMEN
IN TECH
NETWORK WITH
UNESCO & BMZ.**



**JOIN A HISTORIC
INITIATIVE
VISIBLE ON A
GLOBAL SCALE.**

SPONSORSHIP PACKAGES

NATIONAL

Scope &
visibility:
1 country

REGIONAL

Scope &
visibility:
up to 5
countries

CONTINENTAL

Scope &
visibility:
all 35 countries

NATIONAL

Scope & visibility:
1 country

\$ 10,000

- Engage your employees, customers or partners as skilled volunteers during a Train-The-Trainer organized in your selected country.
- Leverage our 8,000 Facebook fans & 2,000 Twitter followers to boost your own social channels.
- Have your logo featured on Africa Code Week web site (Network partner section).

CONTINENTAL

Scope & visibility:
35 countries

\$ 40,000

- Same benefits as National, but expanded across a maximum of 5 countries of your choice, plus:
- Have your logo featured on ACW web site (Network partner section across selected countries).
- Get featured interviews on our ACW blog, newsletter or African media
- Get communications / editorial support from our Project Team

REGIONAL

Scope & visibility:
up to 5 countries

\$ 20,000

- Same benefits as Regional, but expanded across all 35 participating countries.
- Have your logo featured on ACW web site (Strategic partner section).
- Get your company mentioned in general / dedicated press releases pending approval from your communications department
- A representative from your company is invited to attend major ACW events during the year (i.e launch ceremony)

BACK WHERE IT ALL STARTED...



MICASA UNLOCKS AFRICA!

COOL VIDEOS



AFRICA CODE WEEK IN THEIR EYES...

AFRICA CODE WEEK 2016: LET'S CODE!

More
videos...





THIS IS THE BEST THING
SAP EVER DID FOR OUR COMMUNITY. ”

ZUKI GALA, CURRICULUM ADVISER,
CAPE TOWN NORTH EDUCATION DISTRICT



SAP

INFO @AFRICACODEWEEK.ORG

**CAUTION,
CODING MAY
CAUSE TOO MUCH
FUN!**



AFRICACODEWEEK.ORG

