Session 4: Future Jobs and Education Challenges

The Digital Skills Gap and Women in ICTs

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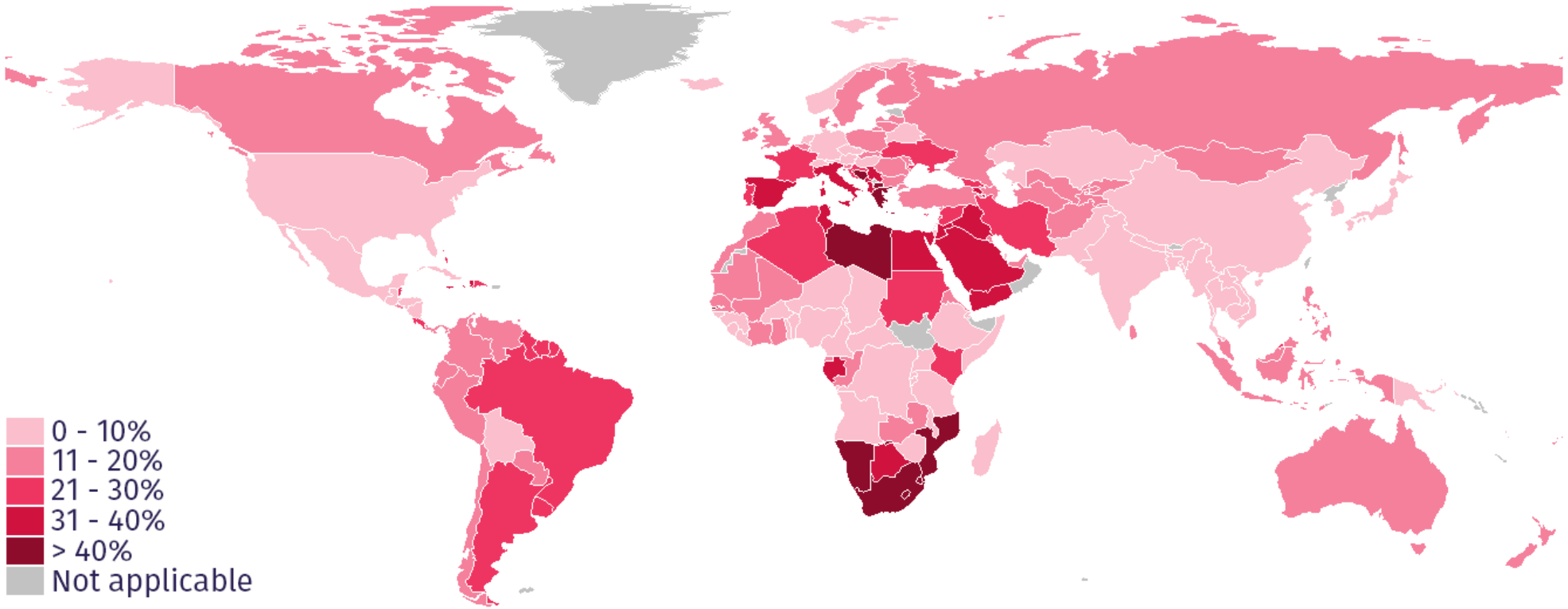
Beirut, Lebanon | 27 November 2018

The Challenge

Youth Employment Challenge

Quantity and quality of jobs

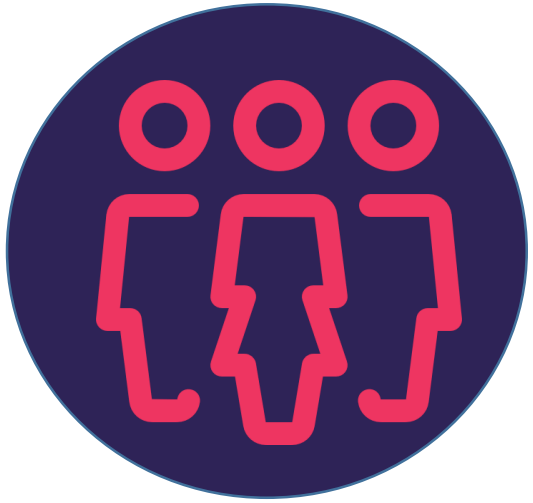
63 million young women and men are unemployed and
141 million young workers are employed but live in poverty



Youth* unemployment rates by country

** Ages 15-24*
World Employment and Social Outlook Data, 2018 (ILO)

Youth Employment Challenge



unemployment rate			working in poverty rate	
♀	♂		♀	♂
36.3%	19.2%	Arab States*	18%	18%
40.9%	24.9%	North Africa*	40%	28%

*Bahrain, Iraq, Jordan, Kuwait, Lebanon, the occupied Palestinian territory, Oman, Qatar, Saudi Arabia, Syria, the UAE and Yemen.
*Egypt, Morocco, Tunisia, Algeria, Mauritania and Sudan
World Employment and Social Outlook Data, 2018 (ILO)

The Digital Skills Gap

Tens of millions of jobs with advanced digital skills

Digital literacy a prerequisite for jobs in nearly all sectors

Demand for

- Basic to advanced digital skills
- Digital entrepreneurship skills
- Soft skills

INTERNET OF THINGS

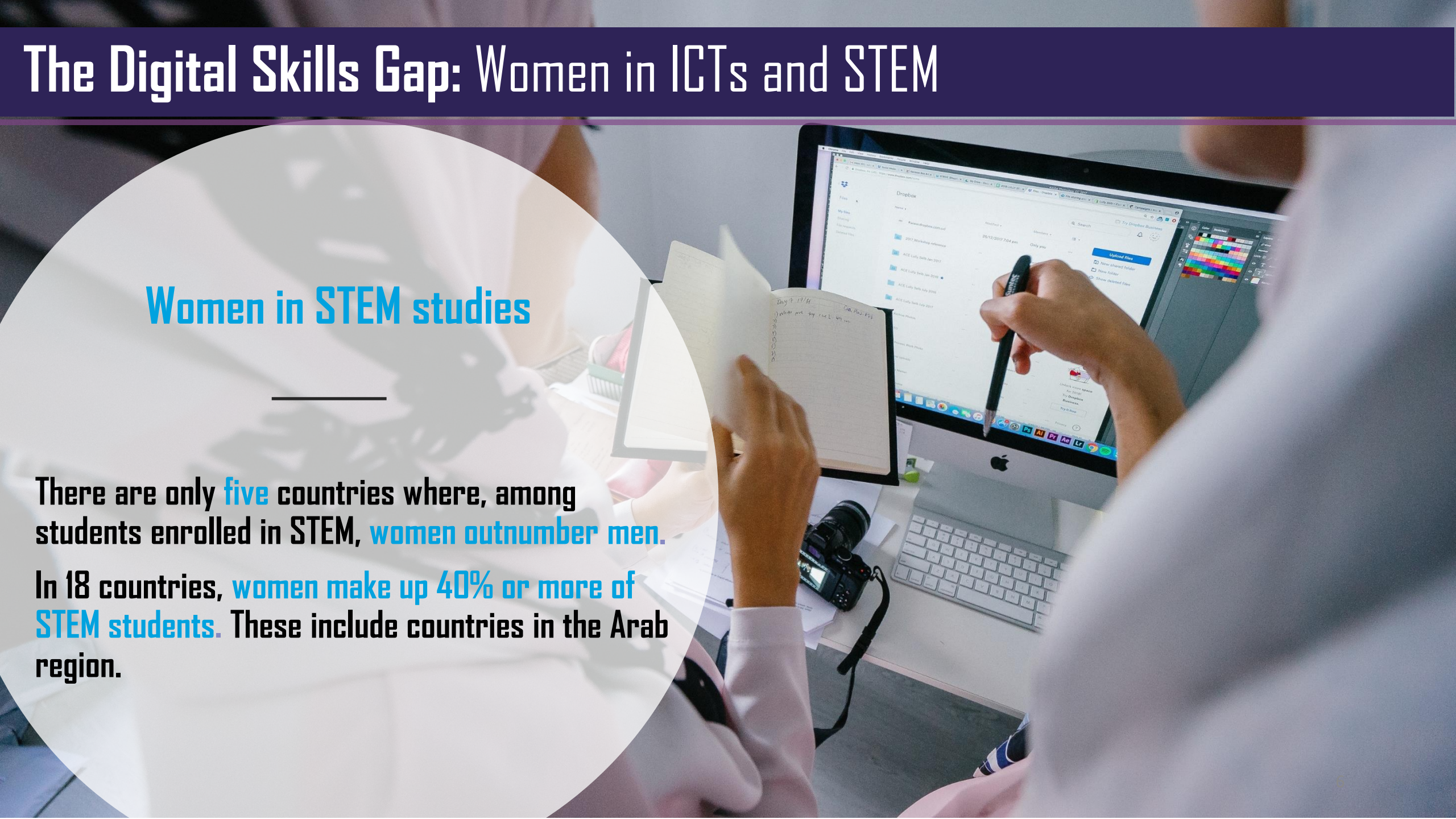
CYBERSECURITY

CODING

MOBILE APPS

BIG DATA

The Digital Skills Gap: Women in ICTs and STEM



Women in STEM studies

There are only five countries where, among students enrolled in STEM, women outnumber men.

In 18 countries, women make up 40% or more of STEM students. These include countries in the Arab region.

The Digital Skills Gap: Women in ICTs and STEM

OECD and developing countries

More than five times fewer women than men enrol in tertiary level computer science and engineering programmes in OECD countries

Women's enrolment ratios into higher education are much lower in developing countries than in developed economies

Female participation in ICT professions is low: in developing countries, women are three times less likely than men to work in the ICT sector and eight times less likely to have an ICT occupation

The Digital Skills Gap: Women in ICTs and STEM

5.5% of male workers in OECD countries are ICT specialists

This proportion is just 1.4% for female workers

What Can Be Done?

DECENT JOBS FOR YOUTH

The global initiative for action // addressing the youth employment challenge

The goal is to scale up action and impact on youth employment through effective, innovative and evidence-based interventions

#DECENTJOBSFORYOUTH

Thematic priorities for action

DIGITAL SKILLS FOR YOUTH

QUALITY APPRENTICESHIPS

YOUTH IN THE RURAL ECONOMY

GREEN JOBS FOR YOUTH

YOUTH ENTREPRENEURS HIP AND SELF-EMPLOYMENT

YOUTH TRANSITIONING TO THE FORMAL ECONOMY

YOUTH IN FRAGILE SITUATIONS

YOUNG WORKERS IN HAZARDOUS OCCUPATIONS

#DIGITALSKILLS #DECENTJOBSFORYOUTH

Digital Skills: a thematic priority

Latest evidence, innovations and concrete plans for joint action at country level.

Preparing young people for the future of work in the digital economy.

#DIGITALSKILLS #DECENTJOBSFORYOUTH

DECENT JOBS FOR YOUTH DIGITAL SKILLS CAMPAIGN

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DIGITAL SKILLS

PREPARING YOUNG PEOPLE FOR THE FUTURE OF WORK IN THE DIGITAL ECONOMY

DECENT JOBS FOR YOUTH

DIGITAL SKILLS CAMPAIGN

Digital Skills Campaign

digital skills for decent jobs

Equip 5 million youth with job-ready, transferable digital skills by 2030

Encourage the creation of job opportunities for youth in the digital economy

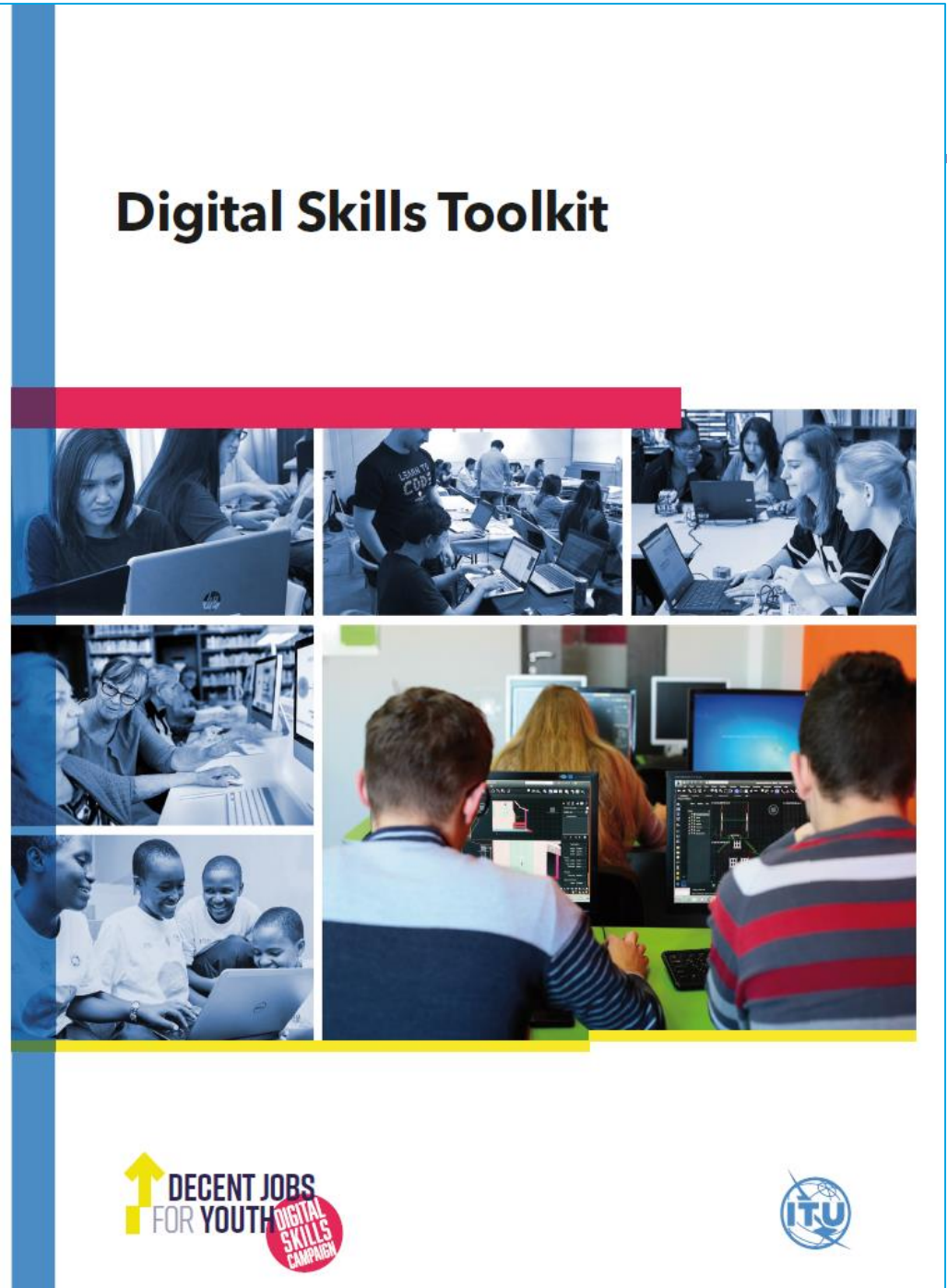
Promote an enabling environment where youth can succeed as entrepreneurs in the digital economy

#DIGITALSKILLS #DECENTJOBSFORYOUTH

ITU Digital Skills Toolkit

Provides stakeholders with guidance on developing a national digital skills strategy

Intended for policymakers, partners in the private sector, NGOs, and academia



Digital skills for women: toolkit strategies

- Include digital skills in the curriculum and adapt training methods
- Offer free or subsidized training
- Motivate the private sector to achieve diversity targets
- Involve women who receive training as instructors or advisory board members to provide feedback on improving programmes
- Raise awareness and address stereotypes
- Conduct campaigns to provide digital skills to women and girls, and encourage them to consider ICT studies and careers

International Girls in ICT Day

25 April 2019

Expand horizons,
change attitudes

#GirlsinICT
itu.int/Girlsinict

International Girls in ICT Day

ITU Plenipotentiary Resolution 70 backed by all ITU Member States

calls for the celebration of International Girls in ICT Day

on 4th Thursday of April every year

Over 11,100 events in 171 countries, empowering more than 357,000 girls and young women around the world

"The Girls in ICT event was really innovative and has changed my views about ICT. With Girls in ICT, we will really create a better future."

Christiana John, *Government Girls Secondary School, St. Michael's College, Kaduna, Nigeria.*

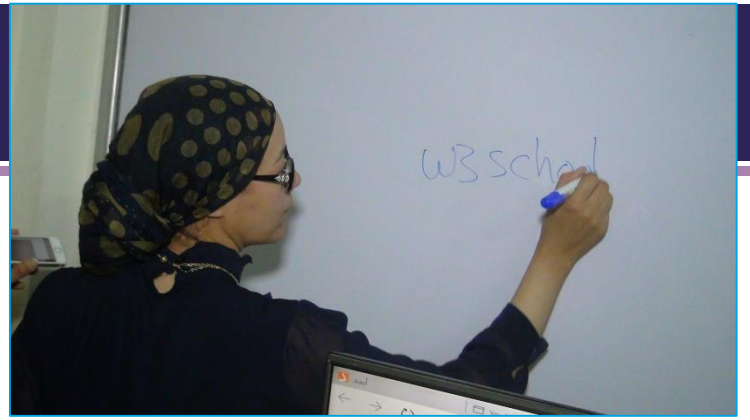
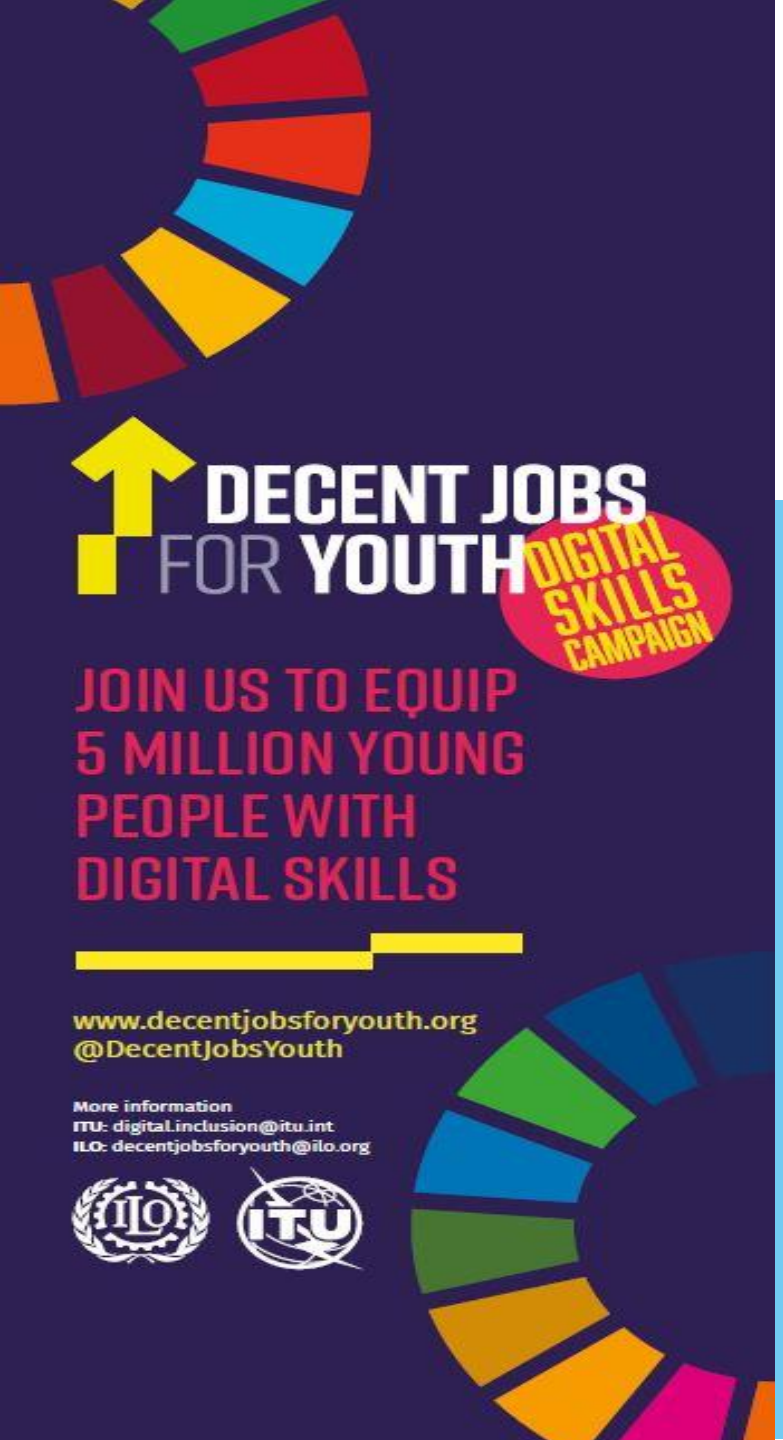
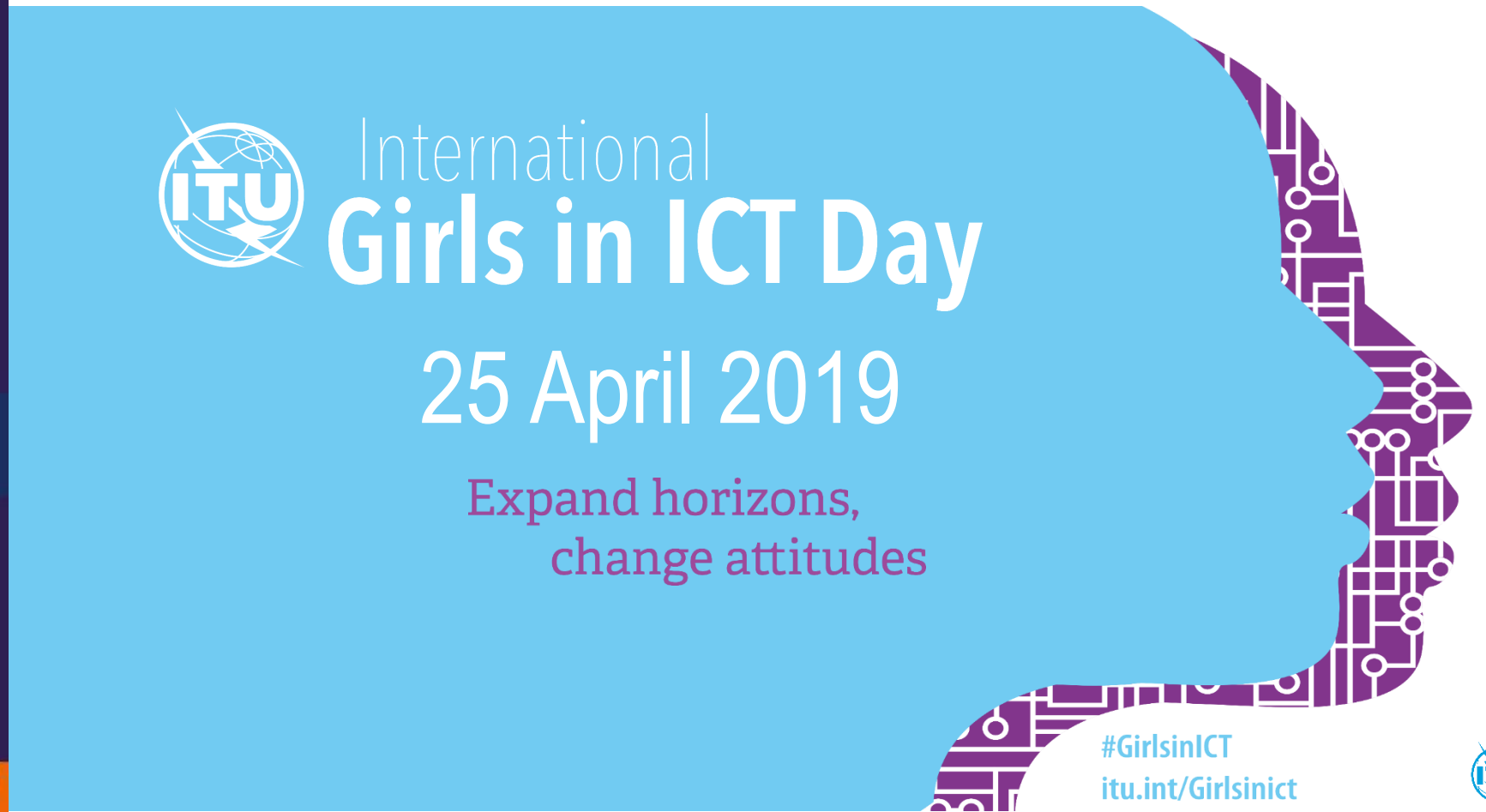
Girls in ICT Day Events

Get girls interested in ICTs through workshops and events

Raise awareness about ICT career opportunities through career fairs

Mentoring and inspiration from female role models

Girls in ICT Day 2018 : 9 events across the Arab states, reaching more than 380 girls



For more information: