



VOCA-TECH for Youth: Renewable Energy for a Just Transition

Italy-IRENA Action for Climate Toolkit

The Egyptian Chapter

Cairo, November 24th, 2025

Italian Institute of Culture

Climate change is one of the greatest challenges of our time, and today's youth will not only experience its consequences, they must also lead the response. With this conviction, the Italy-IRENA Action for Climate Toolkit (I ACT) empowers young generations worldwide to become active agents of the energy transition.

As part of the Italy-Africa Mattei Plan, Italy envisions a transformative partnership with Egypt rooted in shared values of sustainability, innovation, and inclusive development. This collaboration invests in human capital as the foundation of resilient, future-ready societies.

Recognising the power of peer-to-peer learning to spread knowledge and encourage collaboration, the International Renewable Energy Agency (IRENA) is implementing the Italy-IRENA Action for Climate Toolkit (I ACT) initiative in collaboration with the Italian Ministry of Foreign Affairs and International Cooperation, and with the support of the SDG7 Youth Constituency as well as UNICEF.

Developed in response to the youth demand for climate change education and literacy, I ACT seeks to build the capacity of youth to deliver peer-led, non-formal training around the role of the energy transitions in addressing climate change and meeting the Sustainable Development Goals (SDG).

VOCA-TECH for Youth: Renewable Energy for a Just Transition will launch the program across the country with the Embassy of Italy and IRENA with the Don Bosco Cairo, 10th Ramadan- SERENA vocational training center, ELSEWEDY technical academy, and Abu Ghaleb Advanced Technical School ITEC and with RCREEE, UNIDO, and AICS



Opening Ceremony Agenda

Time	Session
	Opening Remarks Dr. Francesco La Camera Director-General IRENA – Video Message H.E. Agostino Palese, Ambassador of Italy in Cairo tbc Dr. Zoheir Hamedi, Executive Director of RCREEE - Regional Center for Renewable Energy and Energy Efficiency Dr. Patrick Jean GILABERT, Representative - UNIDO Sub-regional office in Egypt Tiberio Chiari, Director AICS Cairo Gen. Ehab Abdallah, Head of Productivity and Vocational Training Department, Ministry of Industry Dr. Amr Bosila Head of the Central Administration for Technical Education, Ministry of Education and Technical Education, Egypt Family photo
10:00 AM	VOCA-TECH Egypt Launch Marwa Hammad - I ACT Peer Educator, Lead “VOCA-TECH” Youth Initiative Education modules, and training pilot rollout, 2025–2026 calendar
11 :00	Guest speaker Khedr Wanas, Youth Engagement Expert
11 :20	Inspiring Story Video “From the Classroom to the Energy Transition” Panel Discussion:
11:30	“Investing in Technical Education for a Just Energy Transition” Featuring Don Bosco Cairo, 10th Ramadan- SERENA vocational training center, ELSEWEDY technical academy, Abu Ghaleb Advanced Technical School ITEC, RCREEE, UNIDO, and AICS
12:30 PM	Q&A – end of the day



The 2025 edition of the I ACT Toolkit in Egypt, under the initiative titled “VOCA-TECH for Youth: Renewable Energy for a Just Transition”, marks a new chapter in this partnership. It brings together students from vocational and technical education schools, early university youth, and educators in a dual effort: delivering renewable energy training for youth and strengthening local capacity through training of trainers (TOT) for teachers, enabling them to volunteer as facilitators for student workshops.

This initiative aims to:

- Foster green technical and soft skills through workshops and pilot training modules;
- Build a national youth network of Green Ambassadors equipped to champion climate solutions;
- Empower educators to lead future workshops and integrate sustainability education into classrooms;
- Advance gender equality in technical education, especially in STEM fields;
- Support employability and entrepreneurship by bridging education with the green job market.

The urgency is clear. In Egypt, 1 in 4 youth of young people aged 15-24 are not engaged in education, employment, or training (NEET), with young women disproportionately affected: the female NEET rate stands at 36%. This gender gap underscores the need for inclusive, gender-responsive interventions, particularly in renewable energy, digital skills, and climate resilience.

Italy is proud to support these goals, especially by:

- Promoting high-quality technical and vocational education;
- Advancing renewable energy literacy as a pathway to green transition;
- Investing in girls and women to ensure gender equity in Egypt’s future workforce.



I ACT Peer Educators



Marwa Hammad is an award-winning expert in the gender-energy nexus, youth empowerment, and just energy transition. She holds a Master's degree in Development and Humanitarian Action from Université

Paris 1 Panthéon-Sorbonne, and serves as Assistant Lecturer for methodology and public policy.

At Schneider Electric, she is the Head of the Global Gender Strategy for the Youth Education & Entrepreneurship programs, which has already trained over 1 million youth worldwide in green and technical skills.

Her advocacy work extends to training, facilitation, and awareness-raising, where she delivers sessions on green skills, climate justice, and inclusive leadership for youth and professionals across Euro-Med and Central Asia regions, collaborating with international

organizations and innovation hubs.

As international speaker, Marwa has been featured by TikTok Live, the Project Management Institute, and spoke at multiple COPs. She was recognized with the Women in Tech Global Best Ally Award and named among 50 Women of Change power list by AOW.



VOCA-TECH aims to equip youth in Egypt’s technical schools with renewable energy knowledge, digital literacy, and interpersonal skills to participate in the circular economy. Through a hands-on training and Train-the-Trainer model, it transforms students into Green Ambassadors and educators into champions of sustainability. The initiative builds a generation ready to drive Egypt’s just energy transition, starting with those who need opportunity most, especially young women and underrepresented youth.

With the participation of



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