

IRENA INNOVATION WEEK ²⁰₂₅

Master of Ceremony



Abdelrahman Fahmy

Youth Engagement Consultant
IRENA

#IIW2025

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SGD Youth Scientist Award Announcement



Andre Ferreira

Youth Council Member

Global SDGs and Leadership Development Center

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Global SDGs & Leadership Development Center



**Introduction to the 2025 SDGs Young Scientist
Award**

Mr. Andre Ferreira, Youth Council Member

Background & Mission

1. Rising global sustainability challenges demand innovation and global cooperation
2. UN's 2030 Agenda needs bold contributions from young scientists worldwide
3. In response, the SDGs & Leadership Development Center, WAYS, and Wenzhou Foundation have jointly launched the “2025 Sustainable Development Young Scientist Award”
4. Recognizes scientists under forty-five years of age for breakthroughs advancing SDGs
5. Focuses on basic research and transformative technologies
6. Builds a global academic influence network to promote SDG collaboration
7. Fosters interdisciplinary knowledge-sharing and systemic problem-solving
8. Aims to nurture visionary young leaders with a global development mindset
9. Strengthens SDG leadership and improves global sustainability governance



Rationale for Center's Involvement

- ❑ Implements a closed-loop:
academic evaluation -->
social impact --> leader
cultivation
- ❑ Promotes technology for
sustainable development and
strengthens global influence
- ❑ Goals: Build SDG
knowledge base, incubate
leadership, and mobilize
society



Main Organizers

World Association of Young Scientists (WAYS)

- ❖ International non-profit academic organization for youth science and tech groups
- ❖ Comprises forty-six member units across twenty-three countries on four continents
- ❖ Promotes exchange, collaboration, and mutual learning among young scientists
- ❖ Advocates for “technology for good”

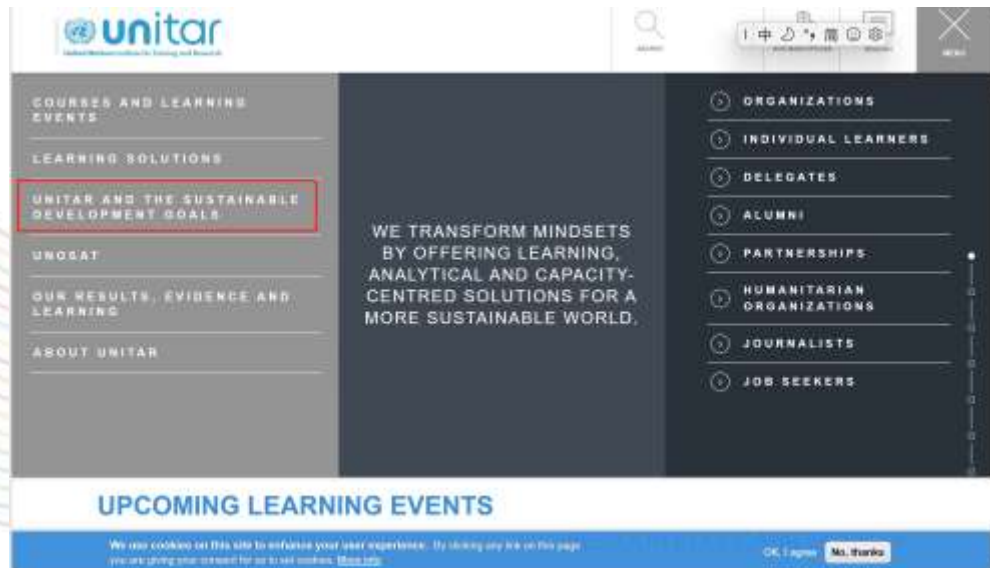
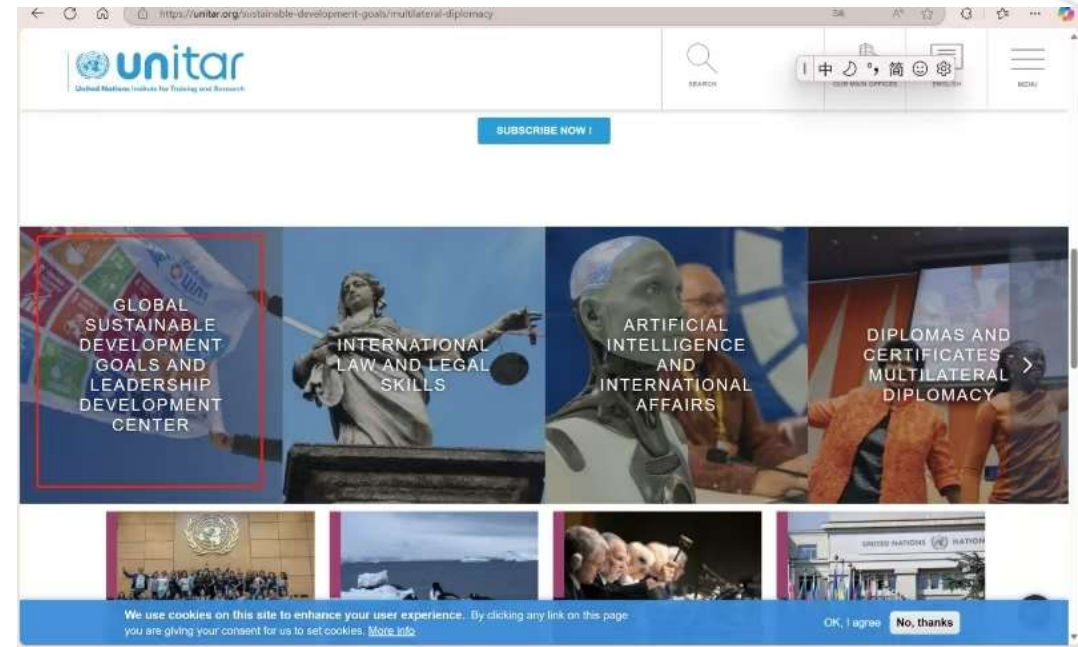
Global SDGs & Leadership Development Center

- ❖ UNITAR-affiliated institution located in Singapore
- ❖ First specialized SDG capacity-building hub in the Asia-Pacific region
- ❖ Focuses on youth empowerment and sustainable development leadership
- ❖ Promotes talent development and implementation of the UN SDGs across sectors

Wenzhou World Young Scientist Growth Foundation

- ❖ Public welfare foundation launched by major Chinese companies and scholars
- ❖ Organizes the World Young Scientist Summit
- ❖ Funds scientific awards, talent development, academic exchange, and publications
- ❖ Promotes international cooperation and recognition of young scientific talent

Global SDGs & Leadership Development Center



Award Focus: SDG Areas



- 3** Health & Well-being: mental health, technology, and diagnostics
- 6** Clean Water: freshwater pollution control and ecological restoration
- 7** Affordable Energy: hydrogen catalysis and PV/storage technology
- 9** Innovation: sustainable infrastructure materials/digital governance
- 13** Climate: AI climate modeling and renewables integration
- 14** Life Below Water: coral reef restoration and ecosystem monitoring
- 15** Life on Land: biodiversity conservation and ecological restoration

Application Requirements

Basic Requirements:

1. Must be a young scientist born on or after January 1, 1980 (any nationality)
2. Not Eligible: previous awardees or anyone with a conflict or interest
3. Must demonstrate leadership skills & have extensive experience in international scientific collaboration

Sustainable Development Contribution:

1. Innovative Basic Research: conducted cutting-edge natural sciences research aligned with SDGs; research should provide theoretical support for sustainable development
2. Technology & Engineering Applications: developed/applied key technologies or engineering solutions; work should have measurable impacts in supporting SDG implementation



Application Information



Application Period: May 31, 2025 – July 31, 2025 (Singapore Time 23:59 deadline)

Assessment Period: August 1, 2025 – September 15, 2025 (Singapore Time 23:59 deadline)

Application Methods:

1. Self-Nomination

- Complete an online application by the deadline
- Submit:
 - Results Report
 - One Recommendation Letter
 - Scientific Integrity Statement

2. Institutional Recommendation

3. Personal Recommendation

Applicants MUST commit to promoting the United Nations Sustainable Development Goals (SDGs) and must be willing to participate in an online volunteer service activity:

- ✓ **Explain how their research relates to the SDGs and its real-world impact**
- ✓ **Conduct science popularization lectures and interactive discussions**



Award Value



- **USD 136,000** (pre-tax) discretionary prize
- **International Exposure:** Opportunities to attend global events like IRENA Assembly, COP30, ITU AI for Good Summit, and ACUNS Meeting
- **Research Support:** Assistance in turning research into practical applications and advancing SDG-related projects
- **Science Communication:** Eligible to become a Science Communication Ambassador, promoting public awareness and youth engagement in sustainable development



Previous Awardees

Year	Awardee	Institution	Field of Contribution	Social Impact
2023	Henry Snaith	University of Oxford	Perovskite Photovoltaic Technology	35% Reduction in Solar LCOE
2024	Guo Shaojun	Peking University	Hydrogen Fuel Cell Catalysts	40% Energy Saving in Water Electrolysis
2024	Simon Gosling	University of Nottingham	Climate Modeling	Data Support for 30 Nations' NDCs

Annually, up to FIVE Awardees are Selected!!

Announcement of the 2025 Awards

2025 Sustainable Development Young Scientist Award Ceremony:

Date: October 24-27, 2025

Location: Wenzhou, China + Global Online Venues

Held during the World Young Scientist Summit

Brings together global young scientists, institutions, and SDG experts

Sixth consecutive year; supported by leaders like Xi Jinping & Antonio Guterres

Over 130 countries, 100+ universities, 30+ Nobel/Turing winners, 400+ academicians, and 6,000+ participants up to date



Contact Us

If you have any questions about the
Sustainable Development Young
Scientist Award, please contact:

SDG-Young-Scientist-
Award@ungyldc.org

ways-secretariat@outlook.com



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IRENA NewGen Hackathons for Youth Launching Event

11 June 2025 | 12:00-12:45

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Opening Remarks



Gauri Singh

Deputy Director-General
IRENA

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Opening Remarks

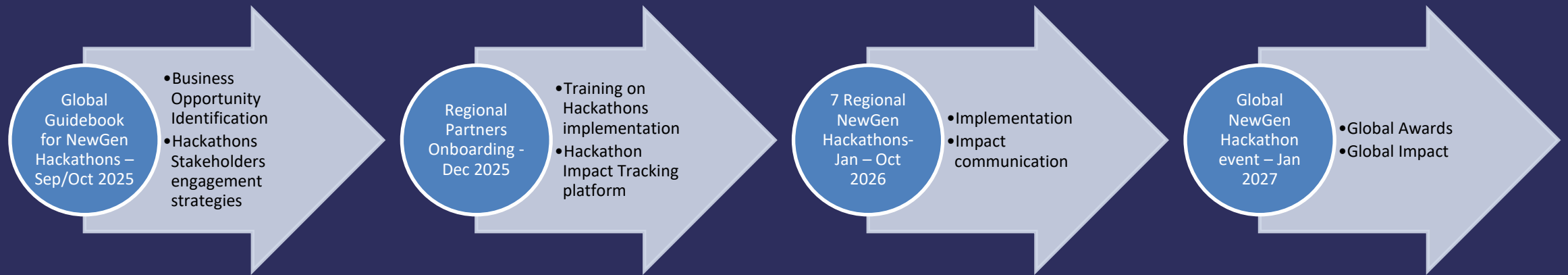


Dr. Nawal Al Hosany

Permanent Representative of UAE to IRENA

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IRENA NewGen Hackathons for Youth



IRENA will engage Regional Youth organizations, UNEZA, AFID, Coalition for action partners throughout the full implementation of the NewGen Hackathons

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IRENA Youth Circle



**Omnia
Abdulraheim**
Youth Delegate



Dielevent Boka
IRENA Youth
Council Member



Dr. Nawal Al Hosany
Permanent
Representative of UAE
to IRENA



Gauri Singh
Deputy
Director-General
IRENA

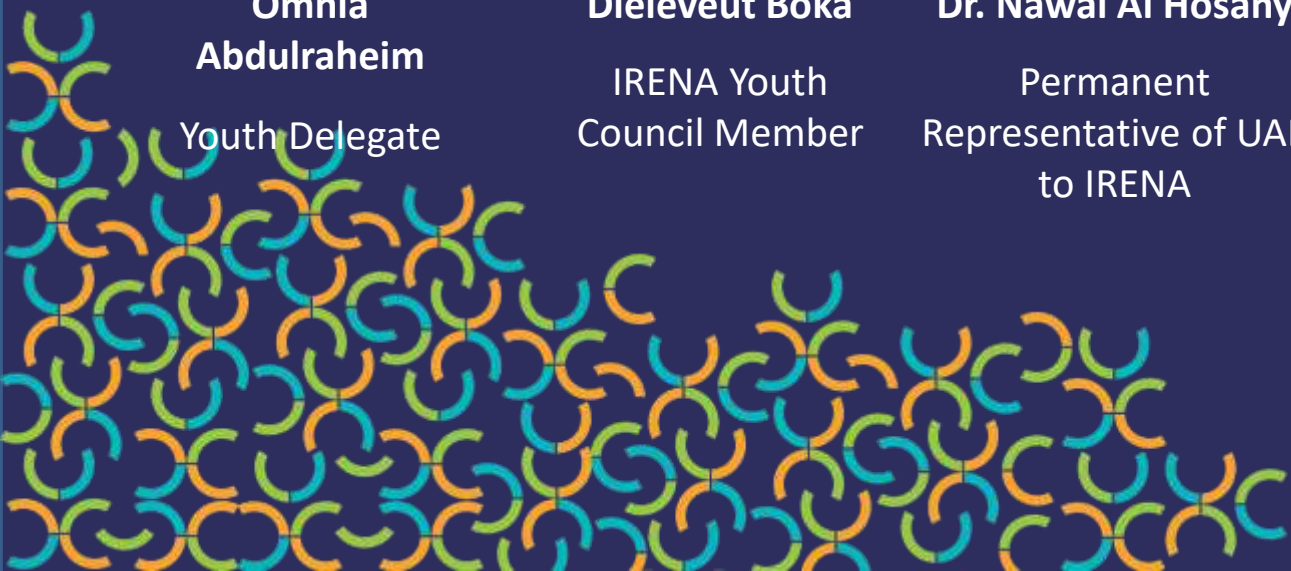


Laura Hohmann
Youth Delegate



**Abdelrahman
Fahmy**
Youth Engagement -
IRENA

Moderator



IRENA INNOVATION WEEK **2025**

Renewables and Digitalisation for a Sustainable Energy Future

Youth Group Picture



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Lunch Break

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