



Young Engineers / Future Leaders Committee
WORLD FEDERATION OF ENGINEERING ORGANIZATIONS



YEFL REPORT- DECEMBER 2017



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Summary of the YEFL Annual report

- 2016 Peru STC Meeting Minutes

Young Engineers Future Leaders had their last official meeting in Peru in 2016, around 29 participants were present in that meeting. We had discussed several items like the summary of the year in which we discussed the Roundtable participation of a workshop with UNESCO in Egypt, the Workshop was about Young Engineers in the Arab Region and how they can support the 17 sustainable Development Goals of the United Nation for 2030.

(The detailed report of Minutes of Meeting is attached below)

- WFEO YE/FL International Strategic Planning Forum- Stakeholder Collaboration for Global Integration of Youth in Industry

The 1st International Strategic Planning forum- Stakeholder Collaboration for Global Integration of Youth in Industry was held in Kuwait, March 2015 focusing on Middle East region and then followed by 2nd International Strategic planning forum during the WECC2015 in Japan, Dec 2015 focusing on Asia Pacific region. A white paper has been prepared and attached to the report.

After the second forum we decided to held our 3rd International Strategic forum in Peru during the WECDR2016 focusing on South America region, but we couldnt hold the third forum due to the lack of YE participants in Peru, instead of forum we circulated a Questionnaire among the students, University Professors and Industry Professionals in order to cover the south America region inputs for the forum based on which we prepared a white paper for the third forum.

A executive summary report of the ongoing strategic workshop is attached below.

As YEFL plans to continue the discussion in different regions highlighted our upcoming international forums which will be held in the following countries as shown in the below table.

Forum	Event	Host Country	Date	Status
Africa	WFEO YEFL International Strategic Planning Forum	Nigeria / South Africa	2017	Yet to be scheduled
Asia-Pacific	World Engineers Conference and Convention	Japan	1 Dec. 2015	Completed
Europe	World Engineering Forum, (WEFRoma)	Italy	Dec. 2017	Ongoing
Middle East	WFEO YEFL International Strategic Planning Forum	Kuwait	3 – 6 Mar. 2015	Completed
North America	WFEO YEFL International Strategic Planning Forum	U.S.A	2018	Yet to be scheduled
South America	World Engineering Congress (WECDRR)	Peru	3 – 9 Dec. 2016	Ongoing



- **ECOSOC Youth Forum**

We had collaborated with UN Major Group for Children & Youth through Donovan Guttieres- Focal point for Science – Policy Interface Platform from US. They approached the YEFL to be a co-organizer in which the YEFL provided the logo for a side event “**Eradicating poverty and promoting prosperity in a changing world**” during the ECOSOC Youth forum.

- **UNESCO NGO Forum 2017 in Riyadh (Saudi Arabia)**

Chair of YEFL attended the 8th UNESCO NGO forum “ Youth Social Impact “ which took place in Riyadh, Saudi Arabia from 3-4 may 2017. It was organized in partnership with MISK Foundation in KSA. There were several sessions held with high level panelist. The overall event was a very good forum in which you get an opportunity to open discussions and connections for collaborations.

(The detailed report of the Forum is attached below)

- **UNESCO WORKSHOP ON “Science and Knowledge for Advancing the 2030 SDGs in the Arab Region- 2017 in Cairo (Egypt)**

Chair of YEFL invited to attend UNESCO's Bureau for Science for the Arab States organized a workshop on **Science and Knowledge for Advancing the 2030 SDGs in the Arab Region**”, (25-26 May, 2016) in Cairo, Egypt. The main objective of the workshop was to **formulate a joint vision and outlines of a master plan for the effective activation and deployment of science and knowledge for achieving the SDGs in the Arab region**. More specifically, the workshop aimed to identify major issues, challenges and opportunities as well as major responsibilities of stakeholders including the potential role of UNESCO's Regional Bureau for Science in the Arab States (UCO) in advancing the Science/Knowledge and SDG agenda in the Arab region.

The workshop gathered 30 selected regional experts from 10 Arab Countries.

(The detailed report of the workshop is attached below)

- **YEFL Member List**

YEFL committee has total 28 official members from 92 WFEO national member countries (List attached below). I still encourage other national members to nominate young members from your country to be member and contribute in our activities.

- **YEFL Representative in other STC**

We have nominated few young engineers to represent in various other committees of WFEO (list attached below)



- **YEFL Financial**

The YEFL committee will not be requiring any financial support from WFEO for any projects as agreed during the establishment of the committee.



I. 2016 Peru STC Meeting Minute

To: STC Delegates & Corresponding Members

CC: Jacques , WFEO Executive Director;
Michael Sanio, YE STC Mentor; Daryl Danyluk, YE STC Mentor

Subject: YE/FL STC Meeting Minutes 2016

From: Eng. Zainab Garashi, Chair, YE/FL STC;

Date & Time: December 04, 2016- 2pm-6pm

Location: Room 403

1. Welcome & Opening Remarks

1.1 Welcome Addresses

1.1.1. Chairman, Eng. Zainab Garashi

1.2 Presentation of Attendees

[List attached of attendees](#)

2. Committee Internal Organizations

2.1 Committee Membership

[Committee chair discussed how to become an official member in the committee as requested from the attendees and showcased the existing list of YEFL members and encouraged the unofficial members to be official in the committee.](#)

2.2 Summary of Year

[The Chairman attended a workshop with the UNESCO in Egypt – Cairo, the workshop was about young engineers in the Arab region, and how they can support the 17 Sustainable Development Goals of the United Nations for 2030.](#)

2.3 Involvement in other STC activities

[As every year the members of the YE committee participated in other STC committee and discussed experiences shared in the meetings.](#)

- [Anticorruption Committee meeting attended by He Jing from China](#)
- [Engineering and the Environment Committee meeting attended by He Jing from China and Zainab Garashi & Sarah Alwazzan from Kuwait](#)
- [Engineering Capacity Building attended by Zainab Garashi & Sarah Alwazzan from Kuwait](#)

3. Committee meeting minutes in Japan, Nov 2015.

[MOM posted on the WFEO Website](#)



4. Japan 2nd International Strategic Forum Workshop , Dec 2016 Report

Chair of the committee shared a brief on the forum that took place in Japan and Fawaz Al Rashdan, Kuwait delegate also shared his experience being the part of the forum Kuwait and Japan. Also He jing from China attended the forum and shared his views on how to find jobs to reach out to companies.

4.1 Upcoming International Strategic Forum Workshop

A discussion among the meeting participants took place about the the committee holds an international forum along with the annual WFEO conference each year. The forum is held to cover data from each region and to reach out to the young engineers to address their issues and challenges in each region. After each forum ends we attach a white paper along with the annual report.

- The European region forum will be held during the WFEO conference in Rome on Nov 26-Dec 2, 2017.
- The North America region Forum was in disucssion between Canada and America. Since the President of the Engineers Canada was present in the meeting and have shown interest for the same.
- The Africa region forum was in disucssion between South Africa and Negira.

5. YEFL action during WECDRR 2016, Peru

Manuel Asmat official delegate from Peru reached out to the three main targets which are Business professionals, professors and students to gather inputs for the questionnaire which was replaced with the forum of third international Stakeholders in Peru as most of the official members of the committee could not attend this year's conference.

6. Request to discuss various topics

- UN Goals: Discussion took place on the two goals which are below and how we can support them:
Ensure inclusive and equitable quality education and promote lifelong learning oportunites for all.
Promote, inclusive and sustainable economic growth, full and productive employment and decent work for all.
- Attendees from Peru, South Africa and China stated their opions on the topic of YE employment challneges:
 - The attendees discussed the challenges that Young Engineers faces, most of the opinions and discussion were similar on how a fresh graduate engineer faces difficulties in finding an appropriate job as most of the companies require two years of experience.
 - Young engineers need to spread the awareness about the importance of their career since engineering has a huge impact in others life.
 - Having a professor as mentor during college and after graduation can help to pass experiences and knowledge to younger generations of the engineers.



- Communication between engineers from all the age can help in exchanging experiences.

6.1 Regional Updates

- Manual Asmat Cordova – Presentation attached
 - Project Management programs for college students
- He Jing
 - China Association for Science and Technology
- Fawaz Alrashdan – Presentation attached
- Shilpi Jain
- Extra talks :
 - Sarah Alwazzan – EWB KW
 - Carolina Herrera

7. Next WFEO YE/FL Meetings

7.1 Italy 2017

- Rome , Italy Nov 26 – Dec 2 , 2017
- London, UK- Dates 20 – 26 Oct 2018
- Melbourne Australia 18-24 Nov, 2019

8. Any other business

Chris Roney the President of Canadian Engineers Society shared a small talk on a global survey that shows engineering is the top job (The results of the survey are attached). He also mentioned the challenges fresh graduates faced in employment.

9. Closing Remarks

All the attendees were encouraged to fill the questionnaire and to attend the next upcoming WFEO conference in Italy and to play a active role in other Standing Technical Committee.

Attendees

#	Name	Country	Email
1	Fiorella Reto	Peru	fiorellaRetom@gmail.com
2	Deivhy Torres	Peru	Deivhy.tv@gmail.com
3	Miguel Enrique	Peru	Miguelenrique588@gmail.com
4	Alvaro Perez	Peru	Alvaro.jav.pe@gmail.com
5	Ivan Chumbiray	Peru	i.chumbiray@pucp.pe
6	Joel Villarreal	Peru	j.Villarreal@pucp.pe
7	Armando Sifventes	Peru	asifventes@gmail.com
8	Kunle Mokuolu	Nigeria	KunleMoks@hotmail.com



9	He Jing	China	hjbean@126.com
10	Gabriela Quiroz	Peru	gquirozt@gmail.com
11	Amanda Sandovel	Peru	Geny_4@hotmail.com
12	Munya Mutyora	South Africa	munyam@uwp.co.za
13	Saad Alazemi	Kuwait	S3adss@hotmail.com
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18	Fawaz Alrashdan	Kuwait	fawazr@gmail.com
19	Pilar Cusma	Peru	Pilar.cusmo@gmail.com
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26	Maria Claudia Rvia	Peru	Mariac.rviz@pucp.pe
27	Gabriel Pila	Peru	Gabriel_pilah@pucp.pe
28	Sarah Alwazzan	Kuwait	S_wazz@live.com
29	Rajael Gonzalo Alarcon	Peru	g.alarcon.rp@gmail.com

II. WFEO YE/FL International Strategic Planning Forum- Stakeholder Collaboration for Global Integration of Youth in Industry

2.1 Executive Summary

The Young Engineers Future Leaders (YEFL) Standing Technical Committee (STC) was established to give a voice to young engineers and allow for input from a previously unrepresented segment of the engineering population, with a critical mission to present the young engineer's perspective and create a global network and voice for Young Engineers. The YEFL STC has approached this goal using various means and activities since inception (2010) which has culminated in the need for the global and regional engagement of all stakeholders involved in the development of young engineers to create a win-win alignment through collaboration. We have termed these four year (2015 -2019) strategic stakeholder engagements the “**Stakeholder Collaboration for Global Integration of Youth in Industry**” As a committee, comprising young engineers' leaders around the world, we believe that these engagements will throw up underling issues affecting young engineers development,



and expedite the realization of our goal of bridging the gap between young engineers' ingenuity and industry/societal challenges, and hopefully help in developing the solutions to pressing global issues

The first regional engagement forum was held in Kuwait (March 2015) for the Middle East, followed by the Asia-pacific region which was held in Kyoto, Japan (November/December 2015). In 2016, the South American stakeholders were gathered in Peru (November 2016) and plans are underway to have the Europe engagements in Rome this year. Our strategy is an ongoing phased strategy that does not aim to resolve all the region-specific issues faced by young engineers globally; rather, we aim to provide the support and networks needed to continue to tackle these issues head-on, to form strong, resilient young leaders, and to make progress in growing the collective representation of young engineers in industry, and professional organizations.

The repeating themes from the regional engagements in the Middle-East, Asia Pacific and South America include:

Technical and Professional Competence Development: This theme highlights the gap in the number of engineers required by industries, and those available and competent to fill resourced positions. It also presents an opportunity to drive the campaign to encourage more youth and women to pursue engineering careers, thus increasing the number of engineers available and competent to solve engineering problems globally. Other concerns raised include the availability of structured development programs for Young engineers in industry, obsolete educational curricula when compared with current industry technologies/competences etc.

Entrepreneurship and Start-up Programs: This theme focuses on the reality of 18-year-old CEOs, child mobile app developers, and collegiate humanitarians in various engineering sectors and industries. Young engineers often come up with solutions to industry and societal problems. These young engineers require support to translate these innovative solutions to working systems for the benefit of humanity and their nations' economies. The value of establishing a start-up or private enterprise is not only fulfilling personal ambition, creating jobs for oneself and others, and improving their nations' economies but also has the added benefit of expanding the limits of innovation & creativity that will usher our world into the future.

Soft skills Development: Young engineers should be able interact with colleagues, the industry, the public, policy makers and the government in today's world. Cultivating the skills to relay important engineering concepts across all sectors' traditional "terminology" barriers is critical to meeting the expectations across these divides. We are facilitating discussions around focused improvement of young engineers' presentation skills, networking abilities, technical writing skills, appreciation of financial tools, awareness of marketing, ethics, and managerial skills etc.

Coaching and Mentorship Programs: Young engineers require a better appreciation of the enormity of their regional industry challenges to be able to realize the opportunities for improvement and development. A key repeating theme is the need for structured approaches for young engineers to be introduced to the industry early in their educational and professional careers through volunteering, active internships and short-term assignments.



These structures though mostly existent are not designed for the fast pace of change/development in today's world, and are to be reviewed to reflect more collaboration between young engineers, academia and industries.

Sensitization on Burning Global Issues: Stakeholders agree on the need for Young engineers to be sensitized and consistently reminded of the burning issues affecting our world today! This will better guide the choice of how best we apply novelty for the benefit of humanity. Going forward, every program organized for young engineers globally shall incorporate discussions on the global issues affecting our continuous existence on this planet; sustainable energy and power, environment, climate change, sustainable infrastructure development, healthcare, diversity and inclusiveness, cyber-security, water and sewage, population and urbanization, and other global burning issues.

The summary of the YEFL STC focus for these engagements includes three (3) thematic areas which are to:

- Accurately collate the peculiar challenges of YE across the regions of the world;
- Present a position paper clearly articulating these challenges and expectations with WFEO and other regional and national engineering societies and organization; and
- Socialize the wider global community (UNESCO, UN, World Energy Council etc.) of YE position to enable more useful impact of YE in industry.

These focus areas also align seamlessly with mostly the UN Sustainable Development Goals 4, 8 & 9; however, our events and activities cover the other young engineers' and 'innovation' aspects.

SDG 4 – Quality Education

SDG 8 – Decent Work and Economic Growth

SDG 9 – Industry, Innovation and Infrastructure

We end this paper with a clarion call on all stakeholders and policy makers in industry, corporate organizations, governments and NGOs to partner with us to give young engineers all over the world the support and enabling environment to translate their ingenuity into working systems for tackling the burning issues currently threatening our humanity and our world!

2.2 Upcoming Stakeholders Engagement forums

The YE/FL STC plans to continue the discussion in the other regions of the world, identifying the challenges young engineers face as they transition into industry professional positions, while also exploring the factors inhibiting our role as champions in the global industrial evolution to design-led innovation. The international stakeholders' engagement schedule is shown below.



Forum	Event	Host Country	Date	Status
Africa	WFEO YEFL International Strategic Planning Forum	Nigeria / South Africa	2017	Yet to be scheduled
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Middle East	WFEO YEFL International Strategic Planning Forum	Kuwait	3 – 6 Mar. 2015	Completed
North America	WFEO YEFL International Strategic Planning Forum	U.S.A	2018	Yet to be scheduled
South America	World Engineering Congress (WECDRR)	Peru	3 – 9 Dec. 2016	Ongoing

IV. UNESCO NGO Forum 2017 in Riyadh (Saudi Arabia)

Eng. Zainab attended the 8th UNESCO NGO forum “ Youth Social Impact “ which took place in Riyadh, Saudi Arabia from 3-4 may 2017. It was organized in partnership with MISK Foundation in KSA.

Day 1

The opening ceremony official speeches were given by 1st H.E. Dr. Ali Nasser Alghafis, Minister of Labor and Social Development, Saudi Arabia , followed by Eric Falt, Assistant Director-General for External Relations and Public Information who was also representing the Director-General of UNESCO and lastly by Mr. Philippe Beausant, Chairperson, UNESCO-NGO Liaison Committee.





Following the opening ceremony the sessions took place which started by the keynote speaker Mr. Jacques Attali, Founder & President, Positive Planet, and then a session by Panel Keynote speaker, H.E. Noura Al Kaabi, Minister of State for Federal National Council Affairs, United Arab Emirates, Setting the scene: “ Youth Engagement and its Potential for Social Change “ which was a very interesting session as to see a young woman in the Gulf region with this high position it was indeed very inspiring and encouraging.

Under the sessions took place, the panels on the same topic of “Youth Engagement and its Potential for Social Change” with 5 panel speakers:

- H.R.H. Banderi A.R. Al Faisal, Director General and Board Member, King Khaled Foundation, Saudi Arabia
- Ms Hila Azadzoy, Co-founder and Head of Academics, Kiron Open Higher Education, Germany/Afghanistan
- Ms. Bahia Hariri, UNESCO Goodwill Ambassador, Member of Parliament, Lebanon
- Ms. Tanzila Khan, Author & Disabled Rights Activist, Pakistan
- Mr - Benjamin Lough, Associate Professor, School of Social Work, University of Illinois, USA”

The above speakers shared their experiences on the topic and how they deal with relevant issues. In particular Ms. Hila Azadzoy was amazing young woman with a great story.

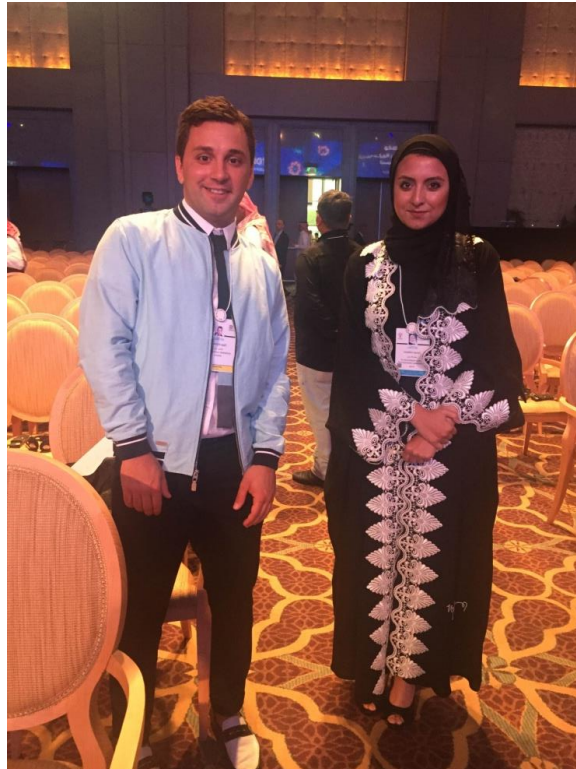
Eng. Zainab made the most of the opportunities and initiated discussions with most of them and explored ideas and interest among our organization, in particular with H.R.H. Banderi A.R. Al Faisal, Director General and Board Member, King Khaled Foundation, Saudi Arabia as in the panel speech she had stated clearly that they haven't tackled the area of youth voluntary so Eng. Zainab took the chance and introduced herself and assured to send her our committee strategic planning in order to open collaborations.

After the break Ms. Hayat Sindi, UNESCO Goodwill Ambassador, Co-founder, Diagnostics for All, Saudi Arabia talked in a session under the title “My Advice to My 20-year Old Self “

Followed by a panel on “Optimizing the Impact of the Digital Native” Following were some speakers:

- Mr. Faisal Al Saif, Saudi Arabia- Moderator
- Mr. Kamel Al-Asmar, Founder, Nakweh, United Arab Emirates
- Mr. Jonathan Birdwell, Head of Policy, Institute for Strategic Dialogue, United Kingdom
- Mr. Dejan Bojanic, Vice-President, European Youth Forum, Sweden
- Ms. Samiha Khelifa, Associate Professor, Sousse University, Tunisia.

The panel sessions were on basic talks, the moderator of the panel was very relevant and vibrant. Eng. Zainab had met with Mr. Dejan Bojanic in person and he assured to open links with young engineers associations in order for European Youth links with us.



Eng. Zainab Along with Mr. Dejan Bojanic

After a break, following speakers to over the floor:

- Mr. Chid Liberty, CEO, Liberty and Justice, speaking related to Creating Social Justice through Economic Opportunity
- Ms. Khalida Brohi, Founder, Sughar, Pakistan
- Mr. Manyang Reath Kher, Founder, Humanity Helping Sudan Project, Sudan - Moderator
- Mr. John Defterios, Presenter, CNN, USA.

In the speeches, Ms. khalida Brohi- was an very influential and motivated, Eng. Zainab had the chance of sharing a fruitful discussion with her after the session.



Eng. Zainab along with Ms. Khalida Brohi



After which started the Breakout Sessions started in 3 different themes

- 1. Youth Entrepreneurship and Volunteering: Promoting Engagement at Local and international Levels
2. Protection of Cultural Heritage: Can Young People Make a Difference?
3. Using Digital Tools for the Promotion of Social Interaction and Engagement

In which it was to attend one of the themes, Eng. Zainab attended the first theme which was Youth Entrepreneurship and Volunteering: Promoting Engagement at Local and International Levels.

Day 2

The highlight of the second day was the keynote speaker **Mr. Jimmy Wales**, Founder, Wikipedia, USA where he gave a very inspirational speech about his journey. Eng. Zainab made a comment in the following panel which was dedicated to the subject of “**What Skills for Young People today** “ where they were discussing education and its impact on the youth future and mindset, in which we mentioned about our Young Engineers Future Leaders Strategic planning forum on Stakeholders which we held in different regions as well some of our findings.

The overall event was a very good forum in which you get an opportunity to open discussions and connections for collaborations.

V. UNESCO WORKSHOP ON “Science and Knowledge for Advancing the 2030 SDGs in the Arab Region- 2017 in Cairo (Egypt)

Eng. Zainab Garashi, Chair of WFEO YEFL was invited to attend UNESCO’s Bureau for Science for the Arab States organized a workshop on **Science and Knowledge for Advancing the 2030 SDGs in the Arab Region**”, (25-26 May, 2016) in Cairo, Egypt. The main objective of the workshop was to **formulate a joint vision and outlines of a master plan for the effective activation and deployment of science and knowledge for achieving the SDGs in the Arab region**. More specifically, the workshop aimed to identify major issues, challenges and opportunities as well as major responsibilities of stakeholders including the potential role of UNESCO’s Regional Bureau for Science in the Arab States (UCO) in advancing the Science/Knowledge and SDG agenda in the Arab region.

The workshop gathered 30 selected regional experts from 10 Arab Countries.

The workshop participants explored the regional perspective on Science, Knowledge & the SDGs with emphasis on key related issues including the Science/Knowledge – Development Nexus, STI/SDGs Nexus, as well as governance of Science and Knowledge Strategies. To streamline discussions, each of the round tables started with a brief thematic presentation along with a set of suggested questions aiming to define challenges and opportunities to further the role of science and knowledge in achieving the sustainable development goals in the Arab region. The participant thoroughly discussed the above topics and recommended specific actions that may be classified along the following SDG relevant axes:

- I. Science/knowledge the gateway for achieving the SDGs
- II. STI-SDG Nexus



- III. Science/Knowledge Economy NEXUS
- IV. Science/Knowledge, Society and Education/Language NEXUS V. Science/Knowledge and Pressing Environmental Challenges
- V. Science/Knowledge and regional and international cooperation



The Arab Region enters the 21st century while facing many challenges across the social, economic, and environmental arenas of sustainable development. The list of challenges extends to include rapidly growing population, rapid urbanization, increasing social and economic inequalities, weak participatory governance, climate change, water scarcity, and indeed a significant science/knowledge gap.

To launch the much needed regional dialogue towards empowering science and knowledge in sustainable development in the region, UNESCO's Bureau for Science for the Arab States organized a workshop on **Science and Knowledge for Advancing the 2030 SDGs in the Arab Region**", (25-26 May, 2016) in Cairo, Egypt. The main objective of the workshop was to **formulate a joint vision and outlines of a master plan for the effective activation and deployment of science and knowledge for achieving the SDGs in the Arab region**. More specifically, the workshop aimed to identify major issues, challenges and opportunities as well as major responsibilities and roles of stakeholders including the potential role of UCO in advancing the Science/Knowledge and SDG agenda in the Arab region.

The workshop consisted of a series of roundtable interactive discussions exploring the regional perspectives on Science, Knowledge & the SDGs with emphasis on key related issues including the Science/Knowledge – Development Nexus, STI/SDGs Nexus, as well as governance of Science and Knowledge Strategies. Each of the round tables started with a brief thematic presentation motivating a set of specific questions aiming to define challenges and opportunities to further the role of knowledge in achieving the sustainable development goals in the Arab region.

The opening session of the workshop included welcoming address by Mr. Ghaith Fariz, Director of UNESCO Cairo Office where he highlighted the role of science and knowledge in enabling Arab States to make best of the opportunity afforded by the World-Leaders' declaration of the 17 Sustainable Development Goals for the 2030 Agenda.



Workshop Outcome: The Arab Network for Knowledge and Sustainable Development



Taking into consideration the comprehensive discussions during the 5 roundtables; the complexity of mainstreaming science and knowledge into strategies, policies and plans; and the essential need for identifying, formulating, and undertaking coordinated actions concerning many of the recommendations and findings of the workshop; the participants made a unanimous decision to launch the “**Arab Network for Knowledge and Sustainable Development**”.

While the founding nucleus of the networks consists of the participating experts in their individual and/or institutional capacities, the network is envisioned as an open network that will include individuals, entities, and organizations including NGOs who are concerned with Science and Knowledge, education, and the promotion of science/knowledge -sustainable development interface.

Functions of the Network

1. Act as a regional platform for exchange of knowledge and information on “science/knowledge for sustainable development”
 2. A platform for fostering and facilitating partnerships and resource mobilization for joint action on deployment of Science and Knowledge for achieving the SDGs. This includes:
 - Conceptualization and formularization of joint programmes, projects, and activities involving 2 or more entities/agencies.
 - Presenting/submitting actionable joint projects and activities to partners, donors and funding agencies.
 - Joint implementation (or coordinated) of projects, activities and programmes of 2 or more entities/agencies.
- The network will be coordinated by UNESCO Regional Bureau for Science in the Arab States who will serve as the secretariat for the network. The Secretariat will propose, within a reasonable time frame, to the members of the network a communication plan that makes use of modern communication platforms.



The founding members of the Arab Network for Knowledge and Sustainable Development discussed several potential projects based on the recommendations of the workshops' roundtables. These can include:

- Transfer and localization of technologies: Formulation of joint project on Water Desalination and reuse (in irrigation) using solar energy
- Language in science/knowledge: Regional project "writing and translation for Children" focusing on promoting science and knowledge values.
- Science-SDG Monitoring of evaluation: Establishment of an Arab Observatory for Sustainable Development Indicators. Establishment of an STI platform/portal
- Science-SDG Awareness: Economic value of sciences and SDGs: Assessment of the economic losses stemming from lack of use of science and knowledge in SDG related endeavors.
- Awareness campaign on Sciences/SDGs: A regional campaign to raise societal awareness on SDGs and the 2030 Agenda. Targeting Arab youth and utilizing Social media
- Capacity building particularly for the youth: supporting national and regional efforts to enhance capacities and engagement of the youth in science and technology transfer and localization.



VI. YEFL Member List

Total WFEO National members: 92 Countires

YEFL Official Representatives: 28 Countires

NAME	YE DELEGATE
ARGENTINA	Pablo Bereciartua
AUSTRALIA	Daniel Rowe
BAHRAIN	Hussain Maki
BRAZIL	Vinicius MarcheseMarinelli



BANGLADESH	Kazi Khairul Bashar
BELIZE	Victor Miranda
COSTA RICA	Mario Poveda
EGYPT	Farida Taher
FRANCE	Milene Guermont
GERMANY	Sebastian Siemes
HONDURAS	Andres Escoar
INDIA	Rahul Gaba
KENYA	Grace Onyango
KUWAIT	Zainab Garashi
LEBANON	Mohamad Makkouk
NIGERIA	Chris Chuks Chukwunta
PAKISTAN	Waqas Latif
PERU	Manuel Asmat
SIERRA LEONE	Amadu Barrie
SINGAPORE	Fam Mei Ling
SLOVENIA	Goran Pregelj
SOUTH AFRICA	Andrew Mckune
SWITZERLAND	Friedrich Kalix
TAIWAN (ROC)	Richard Moh
TANZANIA	Wakati Ramadhani
Un.Arab.Emirates	Salem Ali Bin Kenaid
UNITED STATES	Kate Johnson
ZIMBABWE	Tendai Nharo

VII. YEFL Representative in other STC

Name	Committee
1. Grace Onyango- Kenya 2. EmoseEloho- Nigeria	Disaster Risk Management Committee
1. Kate Johnson- USA	Education in Engineering Committee
1. Sebastian Siemes- Germany 2. Musa Salmamza- Nigeria	Energy Committee



1. Gladys Okoro- Nigeria	Women in Engineering Committee
1. TafadwzaMukwena- South Africa	Innovative Technologies Committee
1. Gladys Okoro- Nigeria	Engineering and Environment Committee
1. Ovens Ehimatie- Nigeria	Information and Communication Committee
1. Kate Johnson- USA	Anti Corruption committee
1. Ovens Ehimatie- Nigeria 2. EmoseEloho- Nigeria	Capacity building Committee

VIII. YEFL Financial

The YEFL committee will not be requiring any financial support from WFEO for any projects as agreed during the establishment of the committee.