



Faith for Earth Initiative Achievement Report 2021/2022

Message from the Director of the Initiative

On the second day when airports around the world closed, Faith for Earth was at the airport hosting a successful global meeting with its partners. UNEP has adopted a strategic approach to accommodate the changes brought on by the pandemic, especially relying more on digitizing environmental governance, reflected in this report, and demonstrated by holding a successful Environment Assembly UNEA 5.2.

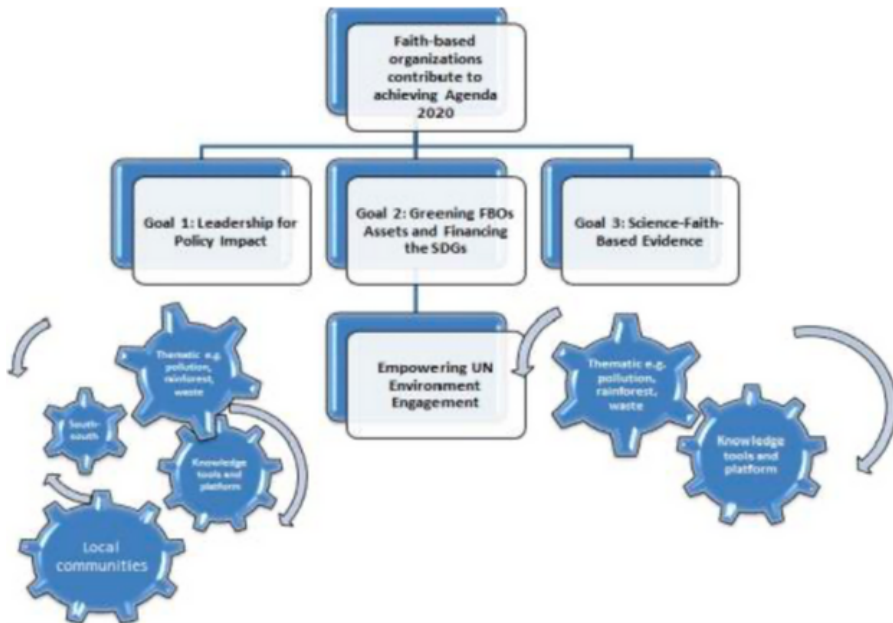
The Faith for Earth Dialogue during UNEA 5.2 saw the highest participation ever with more than 680 participants and 190 speakers during the two weeks of addressing the Triple Planetary Crisis and the role of religious actors. The pandemic exacerbated socio-economic inequalities and vulnerabilities at all levels - countries, vulnerable groups and people least responsible for climate change are the most affected – underlining the need for universal recognition of the right to a clean, healthy, and sustainable environment.

These two years have proven that Climate Action, Nature Action, and Chemicals and Pollution Action are essential interconnected response to climate and environment-related threats.

This report shows how our strategic partners have contributed to the successful implementation of our strategy. As Faith for Earth prepares to launch a new strategy for engaging faith actors for the period 2023-2028, we remain committed to all existing partnerships in serving the aspirations, priorities and common goals of UNEP and the partners towards achieving the Sustainable Development Goals. I am pleased to announce that due to the strategic restructuring of the Law Division where Faith for Earth is hosted, and to strengthen our approach moving forward, the initiative has been renamed to Faith for Earth Coalition.

Dr. Iyad Abumoghli,
Director, Faith for Earth Coalition

Our priorities



In 2021 and 2022, more than 40 faith-based organisations (FBOs) committed to formal and informal partnerships with the Faith for Earth Initiative.

This Report paints a picture of how faith leaders have rallied around climate goals, both physically and virtually, building momentum for a global interfaith movement for the planet.

Faith actors are deeply connected to the health of this planet and its people.

Faith for Earth continues to avail this global platform to address the Triple Planetary Crisis and advocate for a new paradigm based on values and ethical principles that drive positive behavioural change.

This programmatic report provides an insight on the Faith for Earth's activities, partnerships, and publications for the years 2021-22.

Have a look at our journey

Download

**Faith for Earth:
Achievement Report**

 2018/19

 2020

 2021/22

Connect with us



Get in touch



What do we share through the Faith for Earth Newsletter and other social media platforms?

- Past and Upcoming events;
- Opportunities to engage with us and the network;
- Internship openings;
- Updated about the Interfaith Thematic Working Groups;
- Publication announcements, including best practice guides, information notes, and others;
- News relating to internationally recognized days such as World Environment Day, International Day for Biological Diversity, World Wildlife Day, and others;
- Key updates of UNEP generally.

A commitment to Young Professionals

The [United Nations Internship Programme](#) is a premier opportunity to gain first-hand knowledge of the day-to-day working environment of the United Nations, work with experienced and inspiring career professionals and senior management, high-profile conferences, participate in meetings, and contribute to analytical work as well as organizational policy of the United Nations.



At Faith for Earth, interns have, in the past and at present, been part of a dynamic and innovative team working on the nexus between environment, science, policy, and faith values and ethics.

Under the supervision and guidance of Dr. Iyad Abumoghli, Founder and Director of the Faith for Earth Initiative, interns have supported:

- Faith for Earth's integration in the UNEPs strategic frameworks like the Medium-term Strategy (MTS);
- Work on Faith + climate change, biodiversity protection, ecosystem restoration, sustainable consumption and production, food system transformation, culture and sustainable development;
- Sessions held at the Faith for Earth Dialogue at the United Nations Environment Assembly (UNEA), an official side-event,
- The preparatory processes of interfaith engagement at the Conference of the Parties (COPs), and
- the work on chemicals and plastics under the Multifaith Action Group on Pollution; and more.

Every year in December/January, Faith for Earth releases a yearly call for interns - through our [newsletter](#) and [via inspira](#) - to join our team.

UNEP Moments

Celebrating 50 years

2022 marked the [50th anniversary](#) of the establishment of UNEP. In 1972, at the first UN Conference on the Human Environment, civil society addressed Member States and since then, [civil society engagement](#) has driven UNEP's strategy development and work plans, as well as their reach and impact regionally and globally.

The new [UN Environment Programme Medium-Term Strategy \(MTS\) 2022-2025](#) maps out the actions needed for transformative change to reshape our consumption and production patterns, tackling the climate change, biodiversity and nature loss, and pollution and waste as interrelated and interconnected challenges.

The United Nations Environment Assembly (UNEA)

The resumed [Fifth Session of the UN Environment Assembly \(UNEA-5\)](#) in 2022 was an opportunity for accredited organisations to be part of multilateral environmental efforts on biodiversity, climate, food systems, and pollution, as determined by Member States.

The theme "[Strengthening Actions for Nature to Achieve the Sustainable Development Goals](#)" is closely linked with the [Faith for Earth Strategy](#) and the tremendous efforts that the faith partners are undertaking.

The Faith for Earth Dialogue "Changing the Future"

Key highlights

- Attracted 680 global participants between [21 February and 4 March 2022](#);
- Held 24 thematic sessions (Faith - Environment) organised by our partner network;
- Issues ranged from a discussion about the ethical crises that underpins the triple planetary crisis to the practical implementation of the Faith for Earth Coalition;
- Reading of a [historic statement](#) - the first time FBOs were represented at the Plenary by voicing the contributions of 98 religions and congregations originating from 92 countries.
- Established the '[Steering Committee of Accredited FBOs](#)' upon the request of the 62 accredited FBOs to UNEA (as at March 2022) to coordinate and respond to the needs of the CPR and UNEA;
- Published a [synthesis report](#) overviewing the Dialogue, summarizing lessons learned, and exploring opportunities for future work and collaboration.

Watch the sessions on:

- [Advocacy & Engagement](#)
- [National Action](#)
- [Capacity Building](#)
- [Climate Action, Ecosystems & Biodiversity, and Pollution & Waste](#)
- [Cities, Food, Mindfulness](#)



The United Nations Environment Assembly - UNEA 5.2

FAITH FOR EARTH DIALOGUE Changing the Future



21 February – 4 March 2022

Accreditation to UNEA

- [What is UNEA?](#)
- [Responsibilities of an accredited organisation](#)
- [List of accredited organisations](#)
- [Who is responsible?](#)
- [What you need to gain accreditation.](#)

Leadership Dialogues

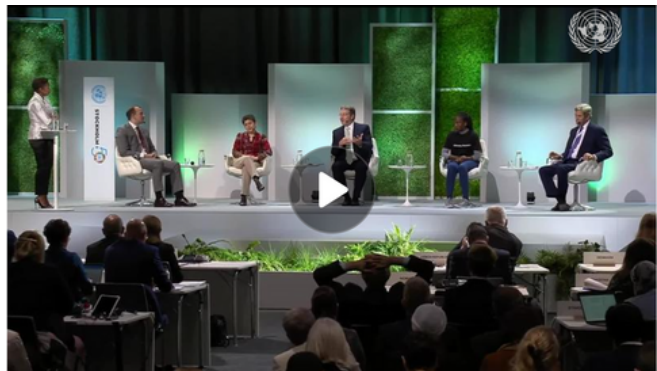
The Iceland Minister for Environment and Natural Resources in his address during the Leadership Dialogue on 22 February 2021, called the international community and the decision makers meeting at UNEA to recognise the important role of FBOs, particularly in restoring our world.

- [Our Sacred Commitment & Skalholt III Recommendations](#)
- [The Role of Faith, Values and Ethics in Strengthening Action for Nature and Environmental Governance, United Nations Environment Programme \(2021\)](#).

An endeavour driven and supported by 100 faith-based organisations that are accredited to UNEA, faith leaders, and key partners within the network, and all of whom submitted formal letters of interest to join the Faith for Earth Coalition – the mechanism for engagement.

Leadership Dialogue 1: Reflecting on the urgent need for actions to achieve a healthy planet and prosperity of all with:

- Azza Karam
- Achim Steiner
- Vanessa Nakate
- John F. Kerry
- Antonio Herman Benjamin
- Sunita Narain
- Virginijus Sinkevičius
- Dario Mejía Montalvo



Stockholm+50

“Stockholm+50: a healthy planet for the prosperity of all – our responsibility, our opportunity” (Stockholm+50) took place five decades after the historic 1972 United Nations Conference on the Human Environment.

How were Faiths involved?

UNEP and UNU-CPR – with the support of the International Development Research Centre (IDRC) – led a collaborative effort to capture, interrogate, and elevate alternative paradigms of the human/nature relationship, seeking views from diverse sources.

- [Reimagining the Human-Environment Relationship – Religion and Environment](#) by Dr. Iyad Abumoghli.

“Faith Values and Reach – Contribution to Environmental Policy” by 250 FBOs called on member states and other stakeholders to recognize the role of faith, ethics, spiritual and cultural values in environmental governance in this statement.

World Environment Day

Launching #GenerationRestoration in 2021

Faith for Earth launched the [Faith Strategy for the UN Decade on Ecosystem Restoration](#) underscoring strategic advantages in addressing political and social barriers under this [Decade of Restoration \(2021 - 2030\)](#).

How were faiths engaged?

- Read the [3 June 2021 Newsletter](#);
- [World Vision, UNEP and FAO](#) co-hosted 'Unleashing the Underground Forest: A Catalyst to Achieving SDGs for the Benefit of Children Now and in the Future' on SDGs 1 (No Poverty), 2 (Zero Hunger), 5 (Gender Equality) & 13 (Climate Action), as well as Faith and Youth engagement.
- Launch of [The Hope Cathedral](#) that cleans up the shores in Norway and building peaceful and strong communities.
- Restoring the Ecosystems by The Arab League, [Kuwait Water Association](#), UNEP Faith for Earth, IUCN, GreenWave, and others came together for a webinar offered in Arabic.

#OnlyOneEarth in 2022

#OnlyOne Earth in Stockholm, Sweden brought Stockholm+50 to a close and reaffirmed the need for a change towards living in harmony with nature under 'Only One Earth'.

Faith for Earth embraced the theme by mobilising networks over spiritual transformation and reiterated the convening and convincing powers in mobilizing massive public engagement for environmental action.

An Interagency Approach: Interreligious Engagement



The UN Interagency Task Force on Religion and Sustainable Development (UN IATF-R) brings together 27 UN entities from across the UN system that meet on a regular basis, and co-organize joint advocacy and capacity-building activities.

- [Faith organizations: the fourth economic power on Earth \(2021\)](#)
- Read the [Annual Reports](#) of the UN IATF-R.



Faith for Earth has been engaged in the implementation of [IPCSD's Strategic Goals](#), and in particular in contribution to the [Culture for Climate Action](#) thematic group, with UNESCO and UNFCCC in the areas of Sustainable consumption and production patterns and civil society-led action.

Environmental Governance

Faith for Earth carries out its mandate under UNEP's Environment Governance Subprogramme, featured under the '[Environmental Governance Updates](#)'.

This Policy Brief co-published with KAICIID on [The Role of Environmental and Spiritual Ethics in Global Environmental Governance](#) (2021) highlights:

- the critical challenges of current-day environmental governance, such as the impacts of human activities on biodiversity, the rise of climate change impacts and consequent growth in inequalities;
- an innovative and integrated model for global environmental governance, that is coherent and calls for the integration of the diverse expressions of one's moral duty;
- a way forward where Faith and conservation are aligned.

A Mechanism for Implementation

The [Montevideo Environmental Law Programme](#) is a ten year intergovernmental programme, implemented by UNEP, that will support countries in developing and implementing environmental law involving a wide range of environmental law stakeholders.



The First Meeting of the Global National Focal Points of the Montevideo Programme V (6 – 9 June 2022)

- Faith for Earth convened a [side event](#) with the Interfaith Rainforest Initiative (IRI), Islamic Foundation for Ecology and Environmental Science (IFEES), and Kabarak Law School.
- Uncovered “Action for Nature and Environmental Governance: Approaches by Faith-based Organizations, Indigenous and Local Communities”
- Launched a call for papers for the [African Faith and Environment Yearbook](#) (2023).

Other activities

- 20th Plenary of the Bishops (8-9 July 2022): on environmental impact and Integral Human Development, building strategic action plans and promoting collaboration in Africa, particularly for the Great Green Wall Initiative.
- Role of Faith Actors: Addressing Climate-Related Challenges and Threats in Indonesia (13 August 2022): Faith for Earth and Mozaharul Alam, Regional Coordinator for Climate Action at UNEP's Asia & the Pacific Office shared good practices by FBOs in Indonesia, calling for inclusive partnerships and interfaith action.
- The Second International Conference on Cohesive Societies (6-8 September 2022): Hosted by the President of Singapore, the Prime Minister and facilitated by the Ministry of Culture and Youth, Dr. Iyad Abumoghli discussed the role of religious actors in environmental governance, the role of ethics and values in driving positive behavioural change and the necessity of multilateralism.
- International Conference on Alternative Dynamics of Religions in International Affairs (9-10 June 2022): At the University of Geneva, Faith for Earth discussed the value of multilateralism; an institutional set up and network of the Faith for Earth Coalition; the Science-Policy Interface, and UNEP's role through the Faith for Earth Coalition.

The Role of Faith, Values and Ethics in Strengthening Action for Nature and Environmental Governance (United Nations Environment Programme, 2021)

Key highlights

- Integration of FBOs into environmental governance and policy-making processes,
- Outlines the role of faith, ethics, values, and culture,
- Benefits of values-based approaches in addressing environmental challenges,
- Produced in support of the efforts of the Government of Iceland and the Bishop of Iceland.



Sustainable Lifestyles

Many of the world's religions and faith traditions harbour untapped resources for implementing more sustainable living and lifestyles. This is how we were engaged in uncovering the various perspectives in 2021/2022

- [TV Interview](#) hosted by Cimpatico Studios on the role that faith communities in advancing environmental stewardship.
- Sustainable Development Goals through the Lens of Values Brahma Kumaris Environment Initiative organised on the universal values upon which the Initiative operates to promote environmental stewardship, and the particular importance of engaging youth groups.
- Ahimsa and the Environment: Making Peace with Nature in October 2021 explored the principles of ahimsa or non-violence with Go Dharmic highlighting harmful practices ways to strengthen partnerships with policy makers, civil society leaders, faith-based organisations and the private sector, and to facilitate an exchange of experiences.
- After the [Abrahamic Traditions & Environmental Change Workshop 2019](#), a meeting was held in January 2022 with UConn's Abrahamic programs to advance collaborations and grow the network. Find published [proceeding and working papers](#) and an [array of interviews](#).
- "Religious Communities and Sustainability: Ecological Perspectives on Religious Practice" was held in June 2022 with the Humboldt-Universität zu Berlin that explored the relationship between religious communities and socio-ecological transformation, considering that in recent years engagement with ecological sustainability by religious communities has substantially increased.
- Mindfulness for Earth: Charting A Path for Higher Education is a partnership with the [University of Connecticut Office of Global Affairs](#), [Mindfulness for Earth](#), and Faith for Earth. In October 2022, a workshop was held to discuss the role of universities in promoting mindfulness practices and increasing active engagement with nature. During the [workshop](#), the group of 30 scholars determined how to bring these practices into curricula and health services—in higher education—to make a positive impact on health and wellness, relationships with the environment, personal reflections on our individual carbon footprints, reducing consumption and promoting behaviour change that protects planet Earth.

Calls to People of Faith to Protect our Planet

Laudato Si', a movement for our common home

The UN Secretary General António Guterres referred to Laudato Si' as an "important impetus" promoting peace, justice, equality, the dignity and worth of the human person through the Care of our Common Home.

The Dicastery for Promoting Integral Human Development published a special e-book about the various ways people have brought Laudato Si' to life over the last six years. Faith for Earth's journey since 2017 is included, inspired by Pope Francis' vision, the Dicastery, and the global Faith community, and how Laudato Si' inspired the launch of Al-Mizan: Covenant for the Earth.

Al-Mizan: A Covenant for the Earth

Faith for Earth and representatives of the Islamic World Educational, Scientific and Cultural Organization; the Islamic Foundation for Ecology and Environmental Sciences (IFEES); Uskudar University; the Qur'anic Botanic Gardens; and the College of Islamic Studies at Hamad Bin Khalifa University in Qatar constitute Al-Mizan's Core Team. Watch this space for updates.

Al-Mizan (meaning 'the balance') is an Islamic Charter designed to showcase Islam's teachings on the environment and spur the world's 1.8 billion Muslims to embrace sustainability as part of their everyday lives building on the efforts of the Islamic Declaration on Climate Change.

- Imams, Mosques & Climate Change Workshop: a capacity building workshop by The Bahu Trust and the Islamic Foundation on Ecology and Environmental Sustainability (IFEES) for Kenyan Muslim faith leaders.
- At the 2021 Parliament of the World's Religions Assembly, shared the basis for the Covenant and presenting Al-Mizan as a means to inspire and motivate faith-based institutions as summarised in this video.
- Sustainability Talk Series 2022 was launched by the Secretary General, Ministry of Environment and Water Malaysia, describing the role FBOs can play by supporting the Islamic movement for the environment under Al-Mizan.
- The Universiti Malaya Centre for Civilisational Dialogue (UMCCD)'s special lecture & Book Launch entitled "Environmental Wisdom for Planet Earth - The Islamic Heritage".
- In September 2022, Faith for Earth joined the meeting Al-Mizan: A Call to Action on Climate Change in Qatar as the first workshop organized to discuss the implementation and sustainability of Al-Mizan and its contribution to fighting climate change and environmental degradation involving academia and scholars who discussed the need for an Islamic guidance based on Islamic values and principles to engage policy makers and the public as part of a behavioural change to tackle environmental issues. This led to the launch of the "Al-Mizan: Islam and Climate Advocacy Training Program".

Faith & Climate Change

The British and Italian Embassies to the Holy See, together with the Holy See, facilitated a series of [virtual preparatory meetings](#) to enable faith leaders to share their faith's theology for the environment; outline the action they have taken so far in tackling climate change; and discuss the way forward to COP26.

Faith for Earth was invited as a UN advisor to these discussions. In late September 2021, a [discussion session](#) was held with the global interfaith community about its role heading into COP26 and beyond.

See also [faith and interfaith engagement at COP26](#) co-led by Faith for Earth; and [Muslims in the UK & Ireland Unite in Call for COP26 Climate Action](#) for world leaders to act decisively on the climate crisis through a joint statement on climate and the environment.

Religious leaders and scientists signed a unified [appeal to the world](#) in relation to the faith community expectations of COP26 and their commitments to action, signed at the Vatican:



[Interfaith engagement at COP27](#) was just as vibrant as in previous years. During the [Recap Session](#), Faith for Earth gathered very thoughtful and practical recommendations from representatives of FBOs that were present aimed at targeted engagement within the network i.e. on specific thematic areas like climate adaptation, and collaboration with other stakeholder groups is needed.

Our Moral Imperative

The [Moral Imperative Initiative](#) for Children, pioneered by UNEP, The World Council of Churches (WCC), Muslim Council of Elders, and the New York Board of Rabbis, is an [appeal](#) calling for climate-responsible finance. Faith for Earth's engagement was supported by [UNEP Finance Initiative \(UNEP-FI\)](#) for sustainable global economies.

Faith, Ecosystems and Biodiversity

Motivated by spiritual values and driven by an ethical responsibility to mitigate human impact on the environment, Faith for Earth highlighted, through a [strategic document](#), the necessity of working closely with faith actors in overcoming the barriers stated in the [UN Decade on Ecosystem Restoration 2021-2030](#).

Partnerships are a critical. Faith for Earth partnered with the World Wildlife Fund's Beliefs and Values Programme, to:

- identify the extent and impact of faith communities and FBOs on conservation and restoration globally,
- convene the 'Faith based Tree Growing for Ecosystem Restoration: A Global Overview and the Case for the East African Region' in September 2022,
- host a roundtable meeting with the 'Kenya Faith Tree Growing Network' made up of 30 state, faith, private, and public sector actors engaged in restoration efforts across Kenya.
- publish the '[TREE GROWING FOR CONSERVATION AND ECOSYSTEM RESTORATION: A GUIDE FOR FAITH-BASED ACTORS](#)' with Trillion Trees and WWF.

Values, Culture and Spirituality

The Centre for Earth Ethics convened a Consultation Series on the role of [values, culture and spirituality](#) towards healthy ecosystems, particularly traditional, religious, and indigenous knowledge for transformational social behavioural change.

These discussions focused on thematic issues like Air (St. James Parish, USA); Rivers (River Yamuna, India); Cities (Mombasa, Kenya); Species (Philippine Eagle, Philippines); and Food (Jordan) that resulted in the [Values, Culture and Spirituality: Ecosystems Restoration Conversation Guide](#) by the Center for Earth Ethics and the United Religions Initiative (URI); and a [Handbook](#).

Food Systems Transformation

[The Faith + Food Systems Dialogue \(2021\)](#) was a series of virtual dialogues to critically examine the role faith-based organizations and what they can bring to conversations about our food systems.

Faith for Earth presented a position paper '[Islam and Food Systems](#)' exploring an Islamic perspectives on our current food systems with a focus on balance and health.

Biodiversity

Faith for Earth and the Group facilitated a submission to the [Nature & Culture Summit](#) at COP15 calling for the inclusion of faith actors within the workplan of the [Joint Programme of Work on the Links between Biological and Cultural Diversity](#) that was renewed at COP15.

Faith voices, through the [Faith & Biodiversity UN Coordination Group](#) were present at OEWG-4 and OEWG-5 where they called for a just and sustainable transition with civil society, halting harmful extraction and production methods and for increased grassroots funding, captured in the [Multifaith Response to the Post-2020 GBF](#).

[Watch this session evaluating the Groups actions at COP15.](#)

Faith, Pollution & Waste

Faith for Earth, in partnership with The Anglican Consultative Council (ACC); Tearfund; Plastic Bank; IFEES/Ecolslam; Islamic Help; and UNEP MGCY (Faith & Environment Working Group) constitute the [Multifaith Working Group on Pollution](#) ahead of UNEA 5.2 focusing on interfaith global responses to the pollution and waste crises.

70 representatives of FBOs added their voice to the statement '[Stop plastic pollution and restore our world: Faith communities call on UNEA 5.2 to agree to negotiate an ambitious, legally binding Treaty to tackle plastic pollution](#)' and published a Catalogue demonstrating global related projects.

Following the adoption of UNEA Resolution 5/14 entitled "[End plastic pollution: Towards an international legally binding instrument](#)", the Multifaith Action Group on Pollution has been following the INC process, having attended the First Session of Intergovernmental Negotiating Committee on Plastic Pollution (INC-1) from 28 November to 2 December 2022.

Faith for Earth National Coordination Hubs

In 2021 and 2022, Faith for Earth and the United Religions Initiative (URI) set out to identify and engage the interfaith networks in:

- India,
- Lebanon,
- Jordan,
- Bosnia & Herzegovina, and
- Ethiopia.

This partnership, along with key local entities, established plans of actions that equipped Faith Leaders and community members with the skills and resources to prioritize environmental actions within the respective local contexts. [Learn more about the Hubs.](#)

Youth Engagement

The [Faith for Earth Youth Council](#) is a platform for Intergenerational Equity driven by Faith, Values and Ethics that places young people of faith in positions of leadership to advocate for positive change under the Faith for Earth Coalition.

The first meeting of the Youth Council 'Youth-Led Advocacy: Promoting Intergenerational Action for Nature' was held on 12 August 2022, the [International Youth Day 2022](#).

The next Youth Council will be nominated in 2024 after UNEA6.

Gender & the Environment

On International Women's Day in 2021, [Faith for Earth](#) with its partners the Swedish International Development Cooperation Agency (Sida), UN Women, the Swedish Dialogue Institute for the Middle East and North Africa and Stockholm Environment Institute (SEI) organized a global learning conference titled [People and Planet: Gender, Environment and Climate in the 2030 Agenda](#) focusing on gender and the environment in regional learning hubs in Nairobi/Kenya, Amman/Jordan and Bangkok/Thailand as well as Hännösand, Sweden.

"From the Grassroots to the Global: Why Climate Action Needs Women, Religious and Local Actors" offered a mechanism to recognize the contribution women, religious and local actors make to climate mitigation, adaptation and response under the Faith for Earth Coalition; and "[Faith Actors Addressing Gendered Impacts of Climate and Conflict Emergencies](#)" shared with the international community evidence on how the faith community specifically is responding and addressing climate emergencies directly impacting women and girls and ways they can further be assisted to continue and bolster their efforts.

Capacity Building

"Faith Action on the UN Sustainable Development Goals" is a joint initiative between Faith for Earth and the [Yale Forum on Religion and Ecology](#), the [Parliament of the World's Religions](#), and [United Religions Initiative](#) to maintain an [interactive database](#) called '[Faith Action on the UN Sustainable Development Goals](#),' featuring [68 projects](#) as of 22 March 2022.

Launch of a series of Online Courses

The International Dialogue Centre (KAICIID) together with Faith for Earth, University of Peace (UPEACE), Lutheran World Federation (LWF), National Muslim Council of Liberia (NMCL), and Institut Superior de Ciències Religioses de Barcelona (ISCREB) unveiled a new e-learning course '[Engaging Faith Actors to Support the Implementation Process of the Sustainable Development Goals](#)' designed to help religious leaders and faith-based organisations (FBOs) achieve greater understanding and engagement of the United Nations' Sustainable Development Goals (SDGs).

'[Faith, Environment and Climate Change](#)' is a free e-learning and training course is formed of eight modules, each offering faith leaders, religious groups, faith-based organisations and other stakeholders a distinct approach to effectively engage and contribute to environmental thematic areas through different methodologies, models, tools, and other approaches.