

STUDENT ENERGY

STUDENT ENERGY IS A REGISTERED CANADIAN CHARITY.
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2022

ANNUAL REPORT

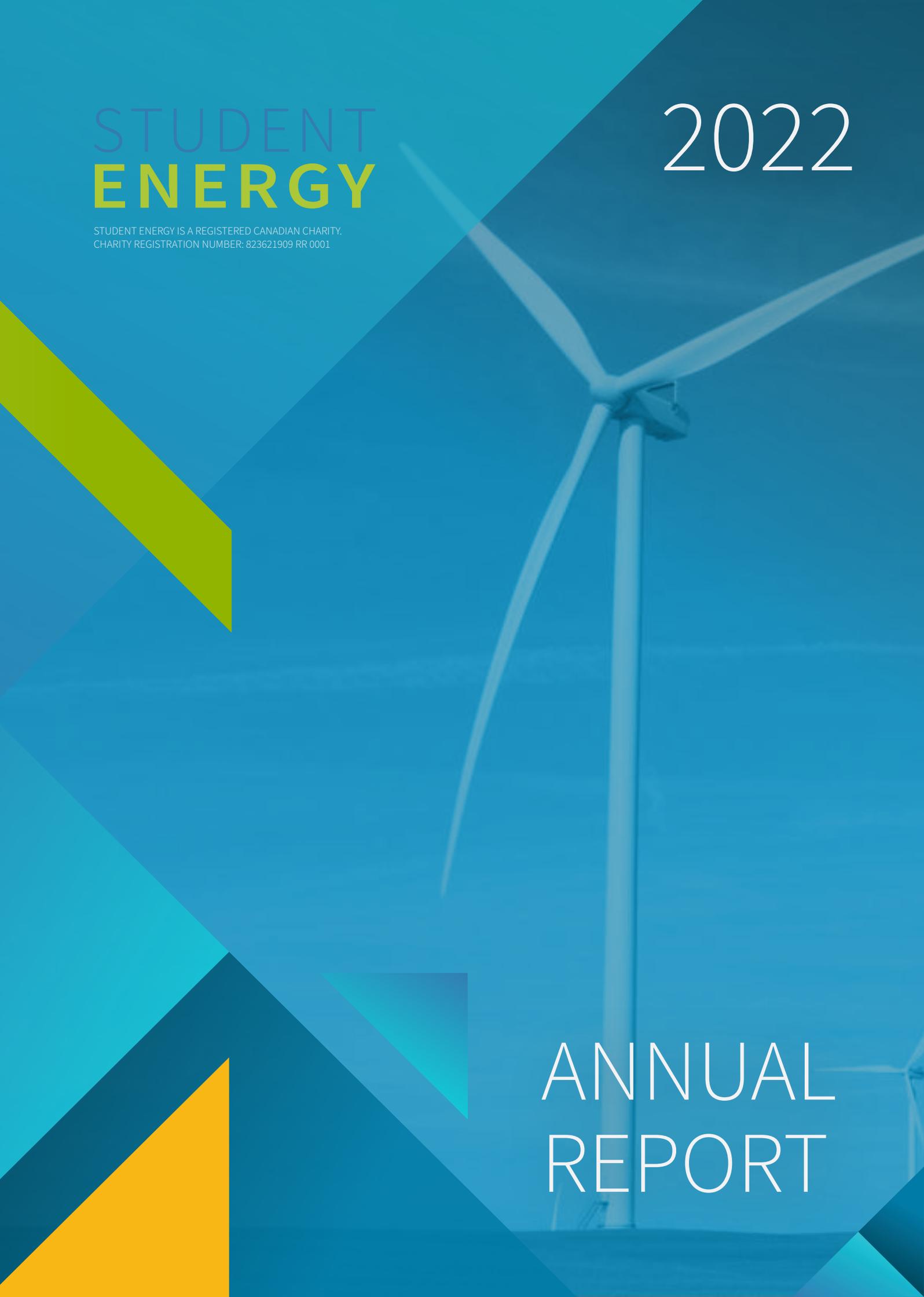


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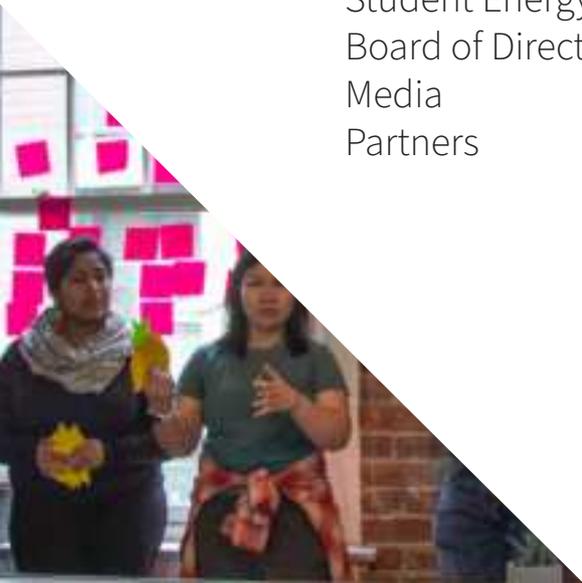
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LETTER FROM OUR BOARD CHAIR

Dear Student Energy Community,

The transition to a sustainable energy future was top of mind in 2022 as we watched two intertwined crises - the climate and energy crises - play out before our eyes. Climate impacts from record-breaking floods, to heatwaves, and tropical cyclones, demonstrated the persistent and urgent need for ambition in our global response to the climate crisis. Simultaneously, the energy crises prompted by Russia's invasion of Ukraine clearly showed the need to ensure energy systems are reliable and resilient to both climate change and changing geopolitical tensions. With these intersecting crises in mind, Student Energy remains committed to uplifting and amplifying the leadership of young people in the energy system.

Student Energy is determined to meet young people's needs and to be a launchpad for youth who are ready to take action, and the global demand from youth only continues to grow. In 2022, Student Energy focused on, firstly, diversifying our Programs Ecosystems to offer unique new programs that have been under development for the past few years, secondly, on building strong organizational systems that can support continued growth and, thirdly, on representing young people on the world stage in a big way.

In 2022, Student Energy reached several exciting new milestones:

- We launched two new programs: **Student Energy Guided Projects** and **Student Energy Career Training**, as well as two new research projects: the **Youth Impact Framework** in partnership with the Global Covenant of Mayors on Climate and Energy, and the **Energy Transition Skills Project** in partnership with Ørsted.
- We added 28 new Chapters, bringing the total to **56 Chapters in 27 countries** around the world
- We announced a **major contribution from the Government of Canada** at the Global Clean Energy Action Forum: a **\$5.3-million investment**, Student Energy's largest single partnership to date. The funding will support Student Energy's capacity-building initiatives that will promote youth participation in Canada's clean energy sector.
- We grew the Student Energy team to **31 staff and 10 associates**.
- And many more exciting initiatives and achievements that you will be able to read about in this report...

Finally, we ended the year with a major transition: Meredith Adler, who has led the organization as Executive Director since 2015, decided to depart Student Energy and create space for fresh voices and ideas in our next phase of growth. With Meredith's tenure coming to a close, the Board of Directors led a search for the organization's next Executive Director, and are thrilled to welcome our very own Helen Watts to the role. Alongside Meredith, Helen has been a key figure in Student Energy's growth since 2017, leading the organization's Partnerships portfolio and founding several new initiatives. We are immensely grateful for these two women's contributions and commitment to the organization and the community.

A leadership transition always comes with new opportunities and processes for organizations, and Student Energy couldn't be at a better place to take on this shift. With the support of our active youth network, our loyal global partners, and the continued energy and drive of our 40+ team of staff and associates, I am excited to see what the next few years will bring for Student Energy.



Kali Taylor, Board Chair

A handwritten signature in black ink that reads "Kali Taylor".

LETTER FROM OUR EXECUTIVE DIRECTOR

Dear Student Energy Community,

The past year for Student Energy has been marked by incredible growth, combined with a renewed investment in building our organizational stability and fostering our youth-led culture. From introducing two new programs (Career Training, and Guided Projects), to launching our research portfolio, to representing youth on multiple global stages, our team is committed to our mission of empowering more and more young people to take action to transform our global energy system. As the Executive Director of Student Energy for close to eight years, I recognized this time of positive growth and opportunity was the perfect time to bring on new leadership for the organization.

My nearly eight years leading Student Energy has been an incredible journey. I've gone from being a solo staff person to having a team of 40 on four continents, growing our network to 50,000 people in over 120 countries, overseeing the development and scaling of five core programs to create our Programs Ecosystem, cultivating hundreds of partnerships and opportunities for young people to gain a seat at the table, and launching the Solutions Movement to advocate for what young people need to be able to deliver on our energy future.

Being the Executive Director of Student Energy has been an amazing role. If anyone needs hope for the future of our climate, Student Energy has it.

I am leaving because I believe deeply in youth empowerment and making space for new young leaders is central to our mission at Student Energy. With what we've achieved recently, Student Energy is more stable and on a better path than ever before. The organization has an incredible team of staff that will continue to grow our organization, and bring creativity and ambition to their work. I am thrilled to welcome my colleague and friend, Helen Watts, to her role as the next Executive Director of Student Energy, beginning in January of 2023. Working with Helen since 2017, I've seen firsthand the passion and dedication she brings to our mission and I am excited to see Student Energy grow and evolve over the next few years through her capable leadership.

I also want to thank Janice Tran and Kali Taylor, who started the wheels in motion in 2008 with incredible vision and dedication. Student Energy could not have grown to what it is today without our co-founders, and the ambition of the first Student Energy Summits and projects acting as our launchpad.

I intend to stay as a strong supporter of Student Energy for the rest of my life. I cannot thank my colleagues at Student Energy, the Board, the young people in our network, and our partners enough for forming such an incredible team and movement. **It has been such an honour to be part of Student Energy's success alongside all of you.**



Meredith Adler,
Executive Director



2022 AT A GLANCE

2022 was a big year for Student Energy. Let's review some of the big numbers from a pivotal year in the expansion of Student Energy's global Programs Ecosystem.

We have

**56 NEW
CHAPTERS**

In 2022, they engaged

**30,000+
PEOPLE**

In 2022, we welcomed **28
new Chapters** in **19 differ-
ent countries.**



Our team grew by 14% to 41
people, with

**31 STAFF AND
10 ASSOCIATES**

based in

8 COUNTRIES

Operating Budget for 2022:

\$4.0 MILLION DOLLARS



Launched two new programs:

CAREER TRAINING
& GUIDED PROJECTS



Grew our research portfolio with two new projects:

YOUTH IMPACT
FRAMEWORK
& ENERGY
TRANSITION SKILLS
PROJECT





Supported the SevenGen Council to host SevenGen 2022, which brought together

161 INDIGENOUS YOUTH

from across the country.

Announced a major partnership with the Government of Canada at the Global Clean Energy Action Forum: a

\$5.3-MILLION INVESTMENT.

As Student Energy's largest single partnership to date, the funding will support Student Energy's capacity-building initiatives that will promote youth participation in Canada's clean energy sector.



Led youth delegations and represented Student Energy at international spaces including the UN Climate Change Conference (COP 27) in Sharm El-Sheikh, Egypt, the Global Clean Energy Action Forum in Pittsburgh, Pennsylvania, the Sustainable Energy for All Forum in Kigali, Rwanda, the Clean Cooking Forum in Accra, Ghana, and more.

Spoke at 55+ panels and media engagements live and virtually around the world.



OUR IMPACT IN 2022:
CREATING
CHANGE
AGENTS



OUR IMPACT IN 2022: PROGRAMS

SE CHAPTERS

56 CHAPTERS

27 COUNTRIES

30,899 PEOPLE ENGAGED

3,410 TOTAL MEMBERSHIP

Visit studentenergy.org/chapters for a full overview of Chapters projects and events

In 2022, we welcomed 28 new chapters from:

University of Buea (Cameroon),
Concordia University of Edmonton (Canada),
Memorial University of Newfoundland (Canada),
University of Calgary (Canada),
China University of Political Science and Law (China),
Shanghai Jiao Tong University (China),
University of Pamplona (Colombia),
Central American University (Universidad Centroamericana José Simeón Cañas; El Salvador),
All Nations University (Ghana),
Kwame Nkrumah University of Science and Technology (Ghana),
University of Cape Coast (Ghana),
University of Development Studies (Ghana),
Jamia Millia Islamia (India),
University of Kurdistan Hewler (Iraq),
Jomo Kenyatta University of Agriculture and Technology (Kenya),
University of Liberia (Liberia),
Higher Technological Institute of Poza Rica (Mexico),
Kogi State University (Nigeria),
National University of Sciences and Technology (Pakistan),
Ghazi University (Pakistan),
University of the Philippines (Philippines),
University of Lomé (Togo),
University of the West Indies, St. Augustine (Trinidad and Tobago),
Istanbul Technical University (Turkey),
University of Zimbabwe (Zimbabwe).



OUR IMPACT IN 2022: PROGRAMS

SE CHAPTERS HIGHLIGHTS

- Our Chapter from **University of Groningen** in the Netherlands Chair Justin Warner highlights the opportunities tied to the Alums network of Student Energy Chapters. He scheduled monthly calls with other SE Chapters, including the team from Student Energy Fellowship in Namibia Eunice Shapange, and Eva Ephraim from IncluSustainEnvironSpaces (ISES) discussing citizen perspectives in the energy transition. (August)
- An alliance of Student Energy Chapters in Mexico called ANUSE (National University Alliance of the Energy Sector or Alianza Nacional Universitarios del Sector Energético) is bringing together youth as an opportunity to discuss and exchange ideas and opportunities, provide support among energy leaders, and accelerate the energy transition in the country through training, networking, holding regional summits, and inclusion and multiculturalism. ANUSE includes our Chapters at **Autonomous University of Yucatan (Universidad Autónoma de Yucatán)**, **National Polytechnic Institute of Mexico (Instituto Politécnico Nacional)**, **University of Guadalajara (Universidad de Guadalajara)**, and **Higher Technological Institute of Poza Rica (Instituto Tecnológico Superior de Poza Rica)**. Their first online meeting was held at a national level and presented to the Global Chapters Call, where its future was discussed (March)
- Our Chapter at **Autonomous University of Yucatan (Universidad Autónoma de Yucatán)** in Mexico created the Student Energy at UADY Podcast. The first season was a series of episodes around the topic of Citizen Participation in the Energy Sector, covering topics such as human rights, youth perspectives, environmental activism, energy transition in Yucatan, and various community projects. (January)
- Student Energy at **Amrita Vishwa Vidyapeetham** hosted two events in January. “Sustainable Menstrual Health”, covering insights on menstruation, menstrual hygiene, and the use of sustainable alternatives. “Ideacon” encouraged youth participants to brainstorm sustainable energy and environmental challenges, analyze major problems, and find out specific solutions on issues such as access to energy and water supply. (January)
- Shradha Pandey, President of the SE Chapter at **Tamil Nadu National Law University** in India, received the SE Leaders Fellowship in 2020 for her team’s project “Global Energy Management System” (GEMS). Her project focuses on eradicating energy poverty from developing nations and fostering green growth through effective consulting solutions for sustainable energy targeting corporations, institutions, government, and the private sector. GEMS was selected as one of the 98 youth initiatives for the Youth Sustainable Energy Hub by the SDG7 Youth Constituency at United Nations Major Group for Children and Youth.

OUR IMPACT IN 2022: PROGRAMS

SE CHAPTERS HIGHLIGHTS (Continued)

- Our Chapter at the **National University of Singapore (NUS)** hosted an Energy Career Night in which 4 industry leaders came together in a panel discussion to share insights on Singapore's energy industry and its efforts in accelerating the energy transition. The event had a high turnout of 80 participants from the University and other local institutions, including guests from 10 energy companies and organizations.
- An energy bootcamp "SE101: Crash Course Energy" was hosted by our Chapter at the **National University of Singapore (NUS)**, inviting a graduate student advisor and 2 industry professionals working in energy and sustainability. This was a half-day discussion on energy-related issues and the complexities of its impacts on multiple sectors in Singapore.
- Our Chapter at the **Higher Technological Institute of Poza Rica (Instituto Tecnológico Superior de Poza Rica)** in Mexico was featured in their University's marketing campaign inviting young people to pursue Renewable Energy Engineering in their campus.
- Our Chapter at the **University of Groningen** in the Netherlands held a symposium about the social impacts of the energy transition, emphasizing the importance of citizen participation in the energy transition. The first speaker includes the IncluSustainEnviroSpaces (ISES) team from Namibia; Eva Ephraim and Eunice Shapange talking about how the energy transition would affect agro-pastoral livelihoods. The second speaker Rico Disco from Mileudedefensie, highlighted the importance of activism. The final speaker discussed how local citizen participation impacts the Dutch heat transition.
- A beach cleanup initiative was organized by our Chapter at the **Autonomous University of Yucatan (Universidad Autónoma de Yucatán)** in Progreso Beach, Merida, Mexico. An environmental awareness video was produced showing events that happened during the beach cleanup, including inviting the general public to participate.



OUR IMPACT IN 2022: PROGRAMS

SE CHAPTERS FULL LIST BY REGION

North America

- Concordia University of Edmonton (Canada)
- McGill University (Canada)
- Memorial University of Newfoundland (Canada)
- Northern Alberta Institute of Technology (Canada)
- Simon Fraser University (Canada)
- University of Alberta (Canada)
- University of Calgary (Canada)
- University of Manitoba (Canada)
- University of Saskatchewan (Canada)
- University of Western Ontario (Canada)
- Columbia University (USA)
- University of California, Davis (USA)

Latin America & the Caribbean

- Federal University for Latin American Integration (Brazil)
- Universidad de Pamplona (Colombia)
- Universidad Centroamericana José Simeón Cañas (El Salvador)
- The Mico University College (Jamaica)
- Instituto Politécnico Nacional (Mexico)
- Instituto Tecnológico Superior de Poza Rica (Mexico)
- Tecnológico de Monterrey (Mexico)
- Universidad Autónoma de Yucatán (Mexico)
- Universidad de Guadalajara (Mexico)
- Universidad de Ingeniería y Tecnología (Peru)
- University of the West Indies, St. Augustine (Trinidad and Tobago)

Europe

- University of Groningen (Netherlands)
- Durham University (UK)
- Middle East & North Africa
- University of Kurdistan Hewler (Iraq)
- Middle East Technical University (Turkey)
- New York University Abu Dhabi (UAE)

Sub-Saharan Africa

- University of Buea (Cameroon)
- All Nations University (Ghana)
- Ashesi University (Ghana)
- Kwame Nkrumah University of Science and Technology (Ghana)
- University of Cape Coast (Ghana)
- University of Development Studies (Ghana)
- Jomo Kenyatta University of Agriculture and Technology (Kenya)
- University of Liberia (Liberia)
- Kogi State University (Nigeria)
- University of Lomé (Togo)
- University of Zimbabwe (Zimbabwe)

Indian Subcontinent

- Amrita Vishwa Vidyapeetham (India)
- Jamia Millia Islamia (India)
- Tamil Nadu National Law University (India)
- Ghazi University (Pakistan)
- Mehran University of Engineering & Technology (Pakistan)
- National University of Sciences and Technology (Pakistan)
- NED University of Engineering & Technology (Pakistan)
- U.S. - Pakistan Center for Advanced Studies in Energy (Pakistan)

Greater China

- China University of Political Science and Law (China)
- Shanghai Jiao Tong University (China)

Southeast Asia

- Universitas Padjadjaran (Indonesia)
- University of the Philippines (Philippines)
- National University of Singapore (Singapore)

OUR IMPACT IN 2022: PROGRAMS

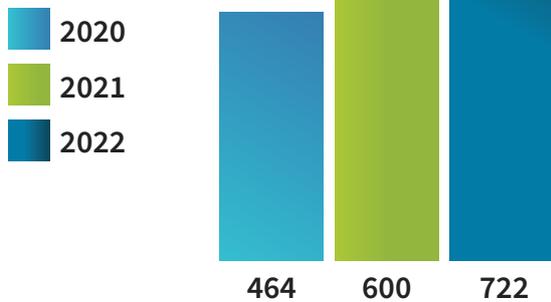
SE FELLOWSHIP

The Student Energy Fellowship successfully completed its fourth cohort this October! The program is a 10-month virtual program that consists of peer learning, project and leadership skill development, mentoring sessions, and networking with Fellows from around the world.

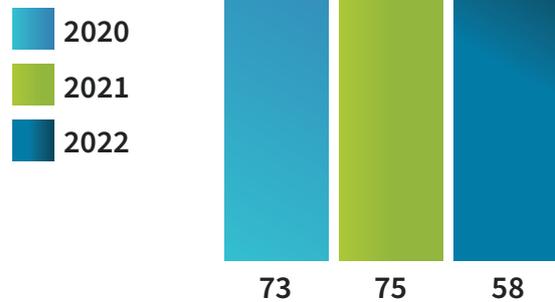
Out of 722 applications, this year's cohort consisted of 119 teams and 244 Fellows from 58 countries, making it the biggest SE Fellowship yet!

RECRUITMENT OVER TIME

Applications

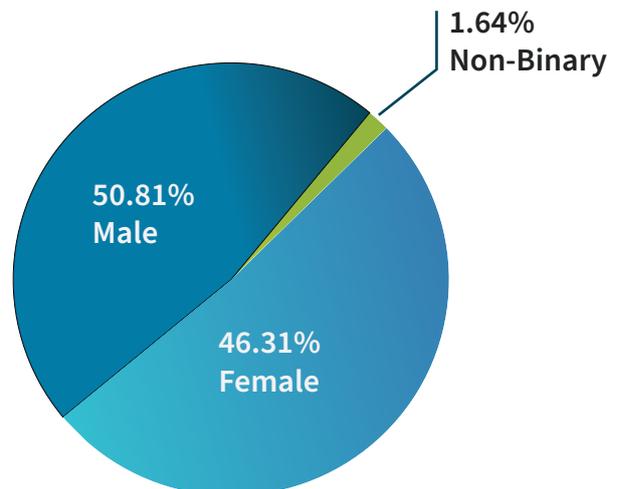


Countries



2022 STATS

Total Graduates: **134**



OUR IMPACT IN 2022: PROGRAMS

SE FELLOWSHIP TEAM SPOTLIGHTS

Energía Chill (Panama)

The educative festival is an activity of the Panamanian NGO Jóvenes y Cambio Climático (Youth and Climate Change NGO), as part of one of the organization's commitments in their Energy Compact (voluntary commitments to help accelerate the energy transition). This festival aims to educate people about the energy transition, using public spaces to raise awareness through activities such as forums, education, art and culture, and demonstration of devices that allows users to understand the potential of renewables.

Cherop Soy (Kenya)

Cherop's project, Synergy, is grounded on the influences from her life's experience, coming from a lineage that has relied on the climate for its farming livelihood for generations. The advancement of energy systems provided significant positive impacts in different sectors across the world, agriculture included. Unfortunately, majority of her family still remains part of the 78% of Africans without access to electricity and their livelihood continues to be threatened by climate change. Her project aims to bring awareness on the importance of an enabling environment for private sector investments towards improved energy systems for sustainable agricultural value chains, highlighting the importance of policies centered on energy systems for building sustainable livelihoods to be implemented in communities similar to hers.

Ibis Energy (Trinidad and Tobago)

Ibis Energy is a group of four 3rd year law students from Trinidad & Tobago: Alexandra, Jyoti, Cavell, and Tracey. The Caribbean region will be one of the most adversely impacted regions from climate change. Sensitive marine ecosystems cannot withstand increased global temperatures, ocean acidification and rising sea levels, causing a loss of economic activity through tourism. The region has already experienced an increase in severe weather events and coastal erosion. The team saw an opportunity to alleviate this, and encourage positive changes through education and action.

OUR IMPACT IN 2022: PROGRAMS

SE FELLOWSHIP TEAM SPOTLIGHTS (Continued)

Lauren Forrest and Matthew Rygus (Canada)

Lauren Forrest and Matthew Rygus became passionate about the potential for community-owned clean energy projects to empower and electrify remote communities in Canada, like Northern Saskatchewan. With backgrounds in environmental science and international relations unified under the pursuit of sustainability, they recognize that meaningful engagement prior to project implementation allows for local and/or vulnerable communities to fully participate in the projects and receive the most beneficial project outcomes. Their project is anchored in ideas of community engagement and pursuing SDGs 10 (Reduced Inequality), 11 (Sustainable Cities and Communities), and 17 (Partnership to achieve the goals).

Hyca (Russia and Denmark)

Hyca aims to create a better future through energy transmission, renewable energy, and hydrogen as a new energy source. Anastasiia Elnikova and Kira Zhmud met at ITMO University in St. Petersburg, Russia and began working on a project to develop an educational Solar Energy Lab, where they won 3rd Place at the Schneider Electric Go Green competition on CIS stage. They also started a new project on launching a startup to make and sell electrolyses using competences of the HyTech Students of Aalborg University, Denmark, where Anastasiia is currently studying.

Beniamin Strzelecki (United Arab Emirates)

Beniamin is a New York University Abu Dhabi student and has been active as a climate and energy advocate in Poland, Israel, Germany, the UAE, and the US for the last five years. He serves as the Global Focal Point of the SDG7 Youth Constituency, where he liaises with UN agencies focused on energy issues to promote and support the role of youth in the energy transition. Additionally, Beniamin serves as a youth advisor to the Global Center on Adaptation. Professionally, Beniamin worked as a researcher on the economics of renewable energy at the Potsdam Institute for Climate Impact Research and the German Institute for Economic Research.

OUR IMPACT IN 2022: PROGRAMS

SE FELLOWSHIP TEAM SPOTLIGHTS (Continued)

Breeze Catchers (Pakistan)

The Breeze Catchers team aims to develop an engineering project to generate electricity using only green and sustainable energy. The team consists of two young engineers and close friends Saad Khalid and Syed Ather Abbas Naqvi. Saad holds a Bachelor's Degree in Metallurgical and Materials Science Engineering from Punjab University, Lahore, and is also the current Country Ambassador of Student Energy for Pakistan. Ather Abbas has a Bachelor's Degree in and a Master's Degree with Honors in Mechanotrics Engineering from Air University, Islamabad. He is a researcher in the domains of green energy, particularly wind energy. On this venture, they plan to develop a wind energy project to help reduce dependence on fossil fuel-based power plants.

Merzenergy (Haiti)

Merzenergy is led by Jean Melice Merzier from Haiti. He is interested in climate change and its impact on his community. Through SE Fellowship, he wants to develop a project to synchronize a micro-hydraulic dam to a photovoltaic system to provide access to electricity to a small community in the south of Haiti in an effort to improve their life.

Microgrid-Lassina (Burkina Faso)

Lassina Davou has a background in Renewable Energy from the University of International Institute of Water and Environmental Engineering (2iE) in Ouagadougou-Burkina Faso. He discovered in 2020 in Bokin, a rural area in the north of Burkina Faso, that small clinics don't have access to electricity and was shocked knowing that women are giving birth most of the time in darkness. He wanted to design and manage the installation of a 50kWp mini-grid to electrify households, SMEs, water taps and horticulture. Lassina believes that installing mini-grids in rural areas has the potential of developing these small communities economically, socially and bringing them to independence.

Energy CoLab (Singapore, Brunei, Taiwan)

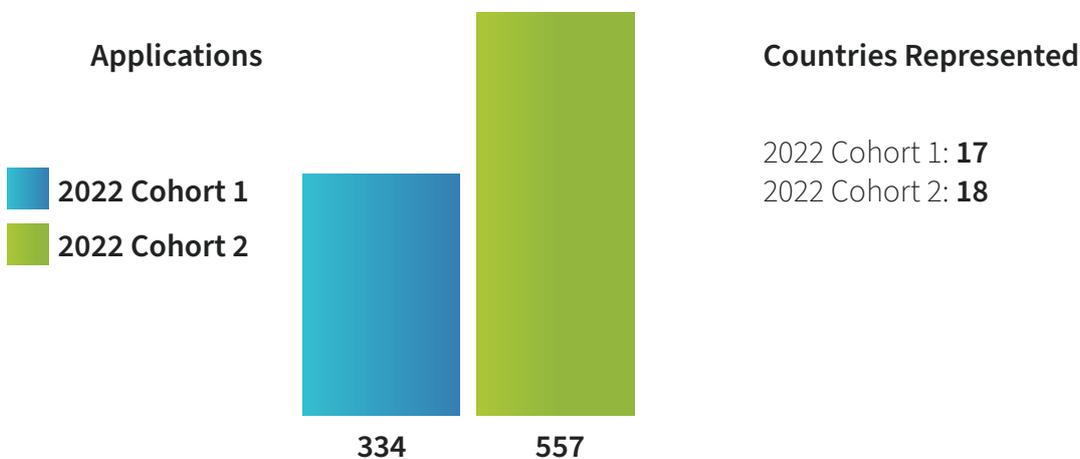
Energy CoLab is a community of learning and practice built by Rachel Cheang, Rui Qi Yeo, Avril Hwang, and Pei-wei Benjamin Yang. The project aims to dive deep into energy challenges and co-design and develop projects through a 12-week social impact lab consisting of workshops, training, and mentorship. A cohort of participants from diverse backgrounds will tackle specific local energy challenges of interest and mobilize solutions to increase access for youth to more domains in the renewable energy sector. The project ultimately seeks to put youth in the forefront of sustainable energy solutions.

OUR IMPACT IN 2022: PROGRAMS

SE CAREER TRAINING

Student Energy’s newest program, the Student Energy Career Training, successfully wrapped up its **first two cohorts** this year! The program is a 4-month cohort-based program aimed at young people between the ages of 18 and 30 who are interested in pursuing a career that advances the energy transition. It equips youth with the technical, dynamic, and durable skills necessary for them to land an internship or entry-level role in the energy sector. The program develops project management, data analytics, interdisciplinary teamwork, and leadership through hand-ons learning experiences.

- **Career Training Cohort 1:** The first cohort received 373 applications from over 40 different countries. Out of those applications, 26 participants were selected representing 10 countries.
- **Career Training Cohort 2:** The second cohort received 557 applications from 84 different countries. 39 participants were selected representing 12 countries.



OUR IMPACT IN 2022: PROGRAMS

SE CAREER TRAINING HIGHLIGHTS

Melav Salih (Sweden)

“The SECT programme taught me several integral tools to project management and credible sources for the energy field. By working on our team projects that we did with a company, we got to apply the skills we learned only days ago immediately. My project on the decarbonisation of the heavy industry by using hydrogen really ignited the possibilities that hydrogen has in the future of the energy transition. This training stayed with me and I still use what I learned today not only in my work and master’s programme, but also in my daily life. Following the training, I started my master’s in Sustainable Technology as I realised that there are more issues to the energy transition than simply going fossil-fuel free and we must look at it from a holistic point of view.”

Kevyn Nogueira (Brasil)

“My interest in pursuing a career in data analytics and research was sparked by the program [SECT] and the practicum project in market analysis. Since then, I have been learning more about this field of study and I’ll be taking on a new challenge at Enel in 2023 that will involve managing and analyzing investments in electricity distribution networks using a regulatory approach. I believe SECT helped me in developing both the soft and hard skills required for this role. Learning about Student Energy’s impact and working with young people from different countries and backgrounds inspired me even more to support youth in Brazil through EnergyC, an innovation, communication, and training hub dedicated to the development of leaders in the energy sector through innovative projects.”



OUR IMPACT IN 2022: PROGRAMS

SE CAREER TRAINING HIGHLIGHTS (Continued)

Mosorire Aiyeyemi (Nigeria)

“The learnings from SECT have been very helpful. I have better clarity on the kind of opportunities I’m looking for and the steps I need to take to get there. The energy systems module exposed me to energy access issues on the African continent and as a result, I have now joined the Minigrids team at Engie Energy Access. I proudly am a part of a team that supplies first time electricity and productive use equipment to unserved communities in Nigeria. Collaborating with peers across the world with aligning interests has also left me more confident in the career path I have chosen and with a renewed realization of the importance of young people in shaping the future of energy and sustainability.”

Shradha Pandey (India)

“SECT helped me find my passion to work in energy policy to bring a tangible social change in society. Undergoing the training with a diverse community from different countries and diverse social backgrounds helps build not only the skills needed to excel in an energy career such as research, writing and project management, but builds a shared sense of community, solidarity and empathy. The skills that I imbibed in SECT are helping me excel in my work as a lawyer and changemaker in India.”



OUR IMPACT IN 2022: PROGRAMS

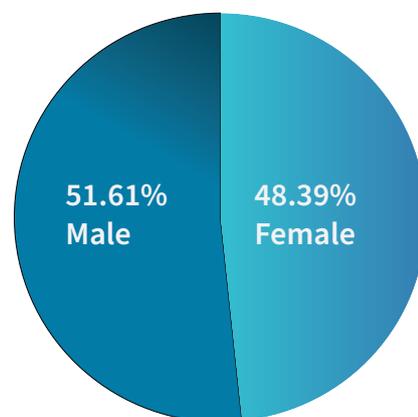
SE GUIDED PROJECTS

This year, the Student Energy Guided Projects launched its pilot cohort in August! 6 global teams are working on their Solar PV Guided Projects, the theme of the 2022 cohort. All 6 teams are currently working on their projects through to 2023. Prior to that, 1 pre-pilot team from the Northern Alberta Institute of Technology (NAIT) successfully wrapped up their small-scale solar PV project in July.

Guided Projects is one of Student Energy's newest programs, adopting a direct-to-youth funding model that breaks down traditional barriers to clean energy entrepreneurship and clean energy project development. It is a 10-month program – 2 months of intensive coursework followed by 4 to 8 months of project execution. It focuses on deployment of proven, easily replicable clean energy projects led by youth. Teams receive coaching, mentorship, and funding throughout the program.

2022 COHORT STATS:

207 EXPRESSIONS OF INTEREST, **53**
COUNTRIES, **43** ODA COUNTRIES
30 ONGOING PARTICIPANTS



OUR IMPACT IN 2022: PROGRAMS

SE GUIDED PROJECTS HIGHLIGHTS

PRE-PILOT TEAM

Northern Alberta Institute of Technology (Edmonton, Alberta, Canada)

Ethan Buchanan, Jack Harding

The pre-pilot team, led by two NAIT Alternative Technology program students Jack Harding and Ethan Buchanan from the Northern Alberta Institute of Technology (NAIT) in Edmonton, Alberta, has completed their small-scale solar PV project in July.

The team worked with project partners to develop an 11.88kWp solar PV system with an estimated annual generation of 13.9 MWh on its first year, translating to roughly 8.2 tonnes CO2 equivalent avoided.

PILOT COHORT

Shames Mountain (British Columbia, Canada)

Mackenzie Walker, Tristan Walker, and Gavin Anderson

Mackenzie, Tristan, and Gavin grew up together in Northwestern BC where they deepened their passion for the outdoors and the beauty of the natural world. As a part of the pilot cohort of SE Guided Projects, they wanted to deploy a solar PV system for their community-run ski hill in Shames Mountain that relies on diesel generators for all their energy needs. The hill is unique in that it is community-owned and operated under a co-operative format, serving three communities in the area: Terrace, Prince Rupert, and Kitimat. The project aims to reduce diesel consumption to save costs and reduce greenhouse gas emissions. Replacing diesel generators with solar PV systems will also provide energy during times of low usage such as overnight or on non-operational days.

OUR IMPACT IN 2022: PROGRAMS

SE GUIDED PROJECTS HIGHLIGHTS (Continued)

University of Calgary (Calgary, Alberta, Canada)

Jessica Thi, Alexa Gee, Aliaa Elmurshedy, Salman Javid, Karan Brar, Selena Tang

The team at the Emerging Leaders for Clean Energy University of Calgary (ELCE U-Calgary) is working on an outdoor off-grid solar charging hub to provide students charging stations powered by solar panels. It is designed to charge two laptops simultaneously for 8 hours. The Outdoor Solar Charging Hub is envisioned to advance renewable energy initiatives on campus and provide ELCE-UCalgary members with experiential learning about solar PV systems and project management skills.

Western University (Canada)

Sam Moorsom, Evan Park, Emma Stargratt, Chloe Chong, Babak Farzaneh

The team at Western University is a group of second to fifth year engineering students and environmental science students. Their team wants to develop and install a low-cost photovoltaic carport system above 2 parking spots at the local YMCA Bostwick Community Centre in London, Ontario. Currently, the team is finding EPCs and suppliers to build the project and provide materials. The team is also engaging with funder and technical advisors to develop their solar project.

University of Manitoba (Canada)

Ahmed Ishmam Azmi, Brenna Rempel, Dryden Lanoway, Evan Evaniuk, Julia Hird, Kamal Alkaraki

The team at University of Manitoba is working on repurposing a shipping container into a plant growth chamber heated by solar thermal energy. The goal is to help address food security issues faced by remote Indigenous communities in northern Manitoba. The implementation of solar-heated growth chambers has the potential to increase self-sufficiency, sustainability, and food security in these communities. The growth chamber is located at the Sustainability in Action Facility (SiAF) on the University of Manitoba Fort Garry campus and serves as grounds for cooperation between student groups and members of faculty.

After initial meetings with mentors and leaders at the SiAF, the team developed a project charter, timeline, and bill of materials. The interior of the container has been retrofitted with insulation and cladding, and a flat-plate solar thermal collector has been installed in an integrated heat distribution system designed by the team. The team has created an experimental testing plan to guide the monitoring of their growth chambers. To help with monitoring, they designed, fabricated, and tested an Arduino-based temperature probe with logging capabilities.

OUR IMPACT IN 2022: PROGRAMS

SE GUIDED PROJECTS HIGHLIGHTS (Continued)

Jomo Kenyatta University of Agriculture and Technology (Juja, Kenya)

Ambrose Albert, Claire Adede, Venessa Ominde, Benrogers Mukala, Mariko Ogutu

The JKUAT team is a group of renewable energy students from all over Kenya brought together by their passion for sustainable energy and environmental conservation. The team wants to electrify Gachororo Primary School by installing a rooftop solar array, providing a reliable source of energy for the primary school students. Through SE Guided Projects, the team is learning project management and technical skills in installing solar PVs.

The team conducted an inspection and collected information from Gachororo Primary School, testing the feasibility of the solar project site. They met with local government officials and the school's principal to secure approval for their project. They set up consultation sessions with mentors from Astonfield Solar on system design and contracting process. They also toured the site alongside contractors who will install the solar array and battery system.

Universidade Federal da Integração Latino-Americana (Peru)

Cesar Galvis, Icoana Martins, Joice Mendez, Roxana Mamani, Vitor Rissatti, Yanderi Fernandez

The project Aylluq Q'anchariyin, led by the UNILA team, wants to provide an Indigenous community in the remote Amazonian village of Alto Mishagua access to electricity, communication, and education. The team will install a solar PV and satellite internet system, aiming to serve 40 households. The community does not have access to basic services such as drinkable water, electricity, and access to the internet. Some families travel through the river, in small boats called peques or canoes, which work by motor-fueled gasoline. They come to town to charge their flashlights or cellphones.

The team started installing their pilot project for a single family, and is proposing to replicate this idea to other community members. They plan to host trainings on how to use the panels and satellite internet. The team is also learning how to ensure its maintenance so the community can benefit from the project long-term.



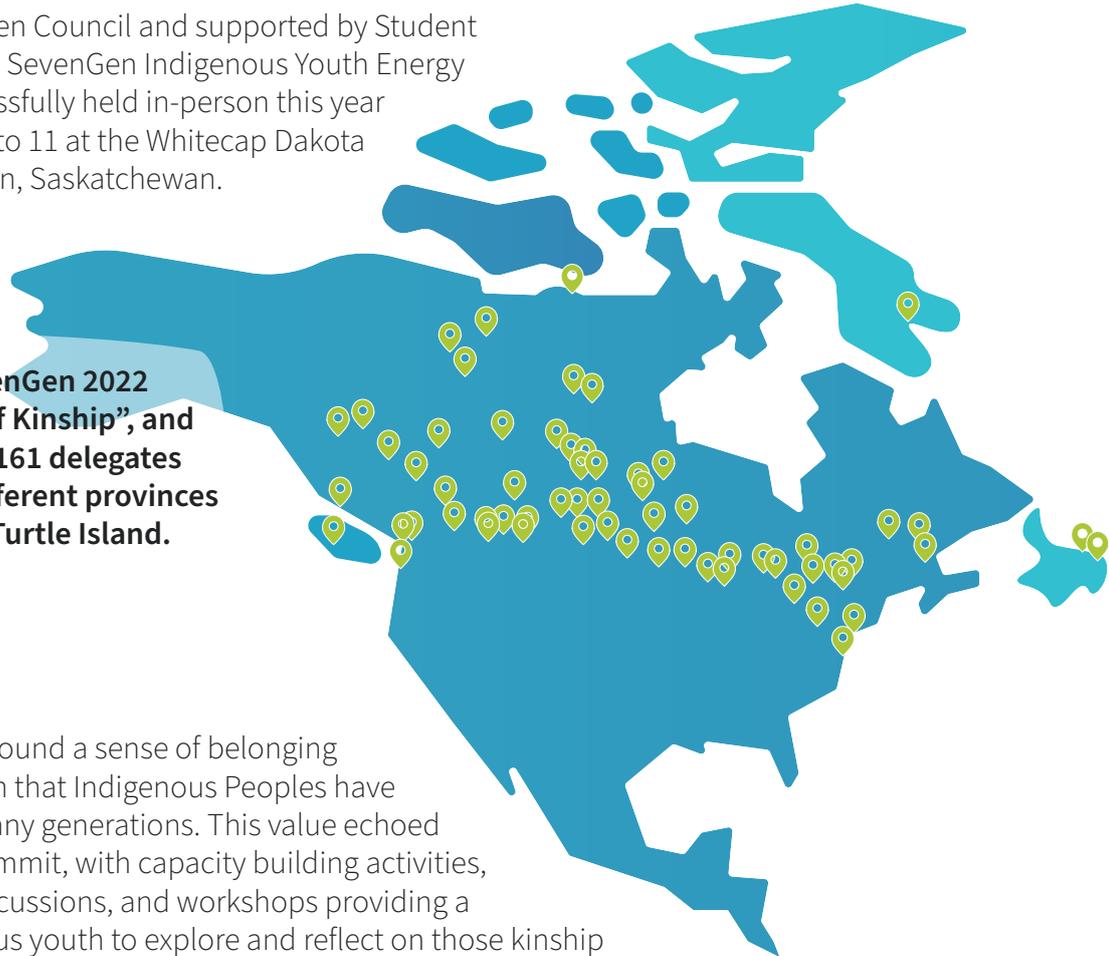
OUR IMPACT IN 2022: PROGRAMS



SEVENGEN2022

Led by the SevenGen Council and supported by Student Energy, the second SevenGen Indigenous Youth Energy Summit was successfully held in-person this year from September 8 to 11 at the Whitecap Dakota Nation in Saskatoon, Saskatchewan.

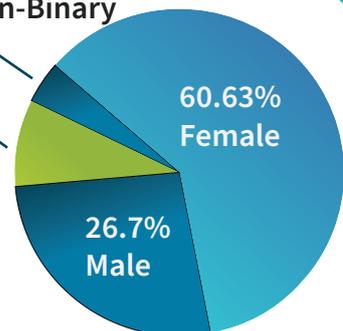
The theme of SevenGen 2022 was “The Power of Kinship”, and brought together 161 delegates from all across different provinces and territories of Turtle Island.



Kinship revolves around a sense of belonging and right from birth that Indigenous Peoples have carried through many generations. This value echoed throughout the Summit, with capacity building activities, panel sessions, discussions, and workshops providing a space for Indigenous youth to explore and reflect on those kinship connections, not only focusing on collaboration between all kin. but also kinship within ourselves and with the land.

8.6% Two-spirit,
Female Two-spirit,
Female Gender-fluid

4.07%
Non-Binary



OUR IMPACT IN 2022: PROGRAMS



Designed by the SevenGen Council and supported by Indigenous Clean Energy and Student Energy, the ImaGENation program creates space for Indigenous youth to imagine a sustainable future for their community and the opportunity to transform that vision into meaningful project-based action.

12 teams of Indigenous youth (ages 18-30) from across Canada are selected and enrolled into an 18-month program that provides a culturally embedded ecosystem of support to plan and implement their clean energy project idea. Each team will receive project-specific mentorship, coaching, cultural guidance, and a \$30,000 project award to support their project goals. The project award will be rolled out in phases as Indigenous youth teams are mentored to successfully reach project goals in alignment with Indigenous values and community engagement principles.

- **ImaGENation Wanuskewin Tour.** The 2021-2023 ImaGENation Indigenous Youth Cohort went on a tour to the Wanuskewin Heritage Park along with ImaGENation Program Manager Alexandra Thomson, ImaGENation Program Coordinators Justin Pelan, and Ray Burrage-Goodwin. The group learned about the elaborate history of the Plains Indigenous Peoples who have lived in the land for thousands of years. There was an organized time for sharing personal stories and experiences among the ImaGENation Indigenous Youth Cohort and the staff. Learning activities, including a native plant walk and a guided tipi teaching session, wrapped up the tour.
- **Innovation Jam.** The SevenGen Summit would not be complete without the Innovation Jam. This provides a space for the youth delegates to come up with ideas, pitch it in the stage, and further develop clean energy projects for Indigenous communities. A variety of ideas were brought to the stage addressing local and national community needs, seeing the many ways youth can contribute to the energy transition by providing them spaces for growth and collaboration.
- **Workshops.** Delegates joined workshops based on their areas of interest, including Community & Energy, Water & Energy, Food Security & Energy, and Energy Careers. The delegates had a chance to hear from industry experts and speakers on topics involving their areas of interest.
- **Socials Night.** A fun socials night gave the youth delegates an opportunity to meet and network with other delegates and organizers. Delegates huddled around a bonfire, went inside a tipi, and had a fun time racing in an inflatable bounce house.

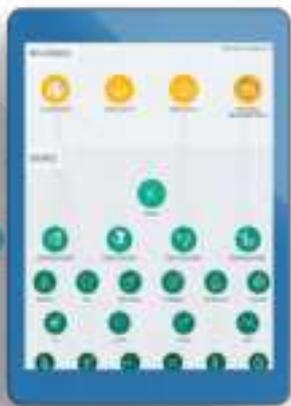
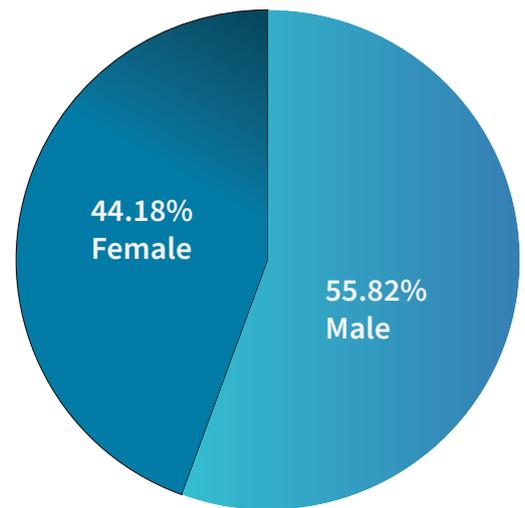
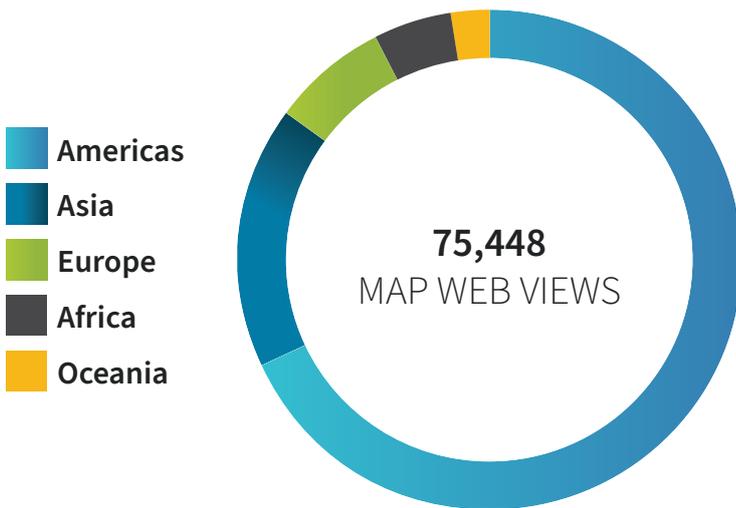


OUR IMPACT IN 2022: PROGRAMS

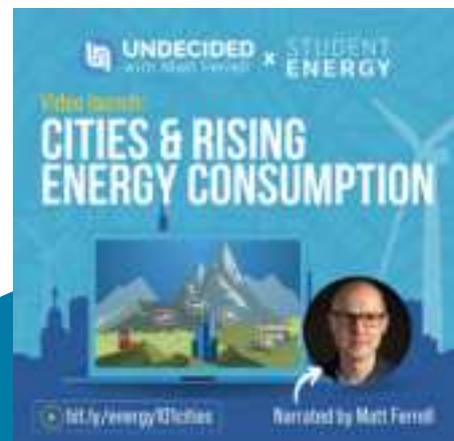
SE ENERGY SYSTEM MAP

Energy System Map

The Energy System Map is built by young people for young people. The topics are contributed by youth and reviewed by subject matter experts in our network. Since its launch in 2015, the map continues to be a unique and valuable resource for foundational energy knowledge, capturing the complex energy system across multiple stages and levels - from social and cultural influences, to transportation, to end-use.



2,471,274
YOUTUBE VIEWS
12,880,279
LIFETIME YOUTUBE VIEWS
13,246
NEW YOUTUBE
SUBSCRIBERS



We partnered with Matt Ferrell from Undecided with Matt Ferrell to create Cities & Rising Energy Consumption. **[Watch the video on YouTube!](https://bit.ly/energy101cities)**



GLOBAL YOUTH ENERGY OUTLOOK

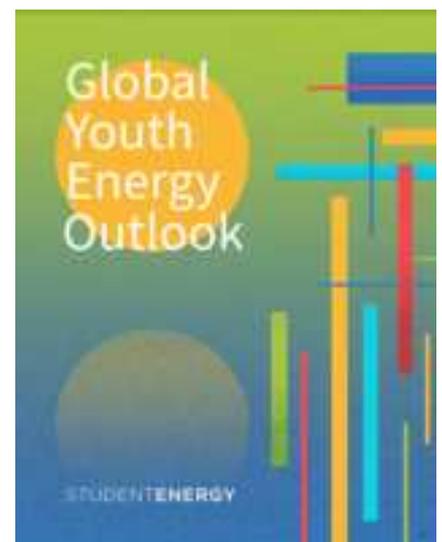
41,652 RESPONSES | **129** COUNTRIES
34 REGIONAL DIALOGUES

Key Findings:

1. Most young people want their countries to take immediate and drastic climate action, and achieve net zero by 2030.
2. Nearly 40% of young people identified government willpower, policies, and regulations as the biggest barrier to achieving a sustainable energy transition in their country.
3. As a global average, nearly half of youth (46%) believe the energy transition should be funded by taxing emissions and the companies that produce them.
4. Important regional differences emerged between young people from developing and emerging economies and those from higher income, such as in degree of concern over pollution and emissions caused by the current global energy system.

Regional Coordinators:

- Chibunna Ogbonna (Lagos, Nigeria); Sub Saharan Africa
- Arsenii Kirgizov-Barskii (Moscow, Russia); Northeast Eurasia
- Nabila Putri Salsabila (Jakarta, Indonesia); Southeast Asia
- Syed Faisal Shah (Peshawar, Pakistan); Indian Subcontinent
- Linette Knudsen (Copenhagen, Denmark); Europe
- Paola Flores Carvajal (Sucre, Bolivia); Latin America
- Kayla Choi (Seoul, South Korea); OECD Pacific
- Joshua Miguel Lopez (Manila, Philippines); Southeast Asia
- Tianna Philippot (Winnipeg, Canada); North America
- Nyashadzashe Kunaka (Harare, Zimbabwe); Middle East and North Africa
- Ye Zheng (Beijing, China); Greater China



[READ THE REPORT](#)

OUR IMPACT IN 2022:
SPACE FOR
YOUTH



RESEARCH PROJECTS

YOUTH IMPACT FRAMEWORK

The Youth Impact Framework is a research project by Student Energy, in partnership with the Global Covenant of Mayors (GCoM) and University of Melbourne. The goal is create a framework that will help demonstrate and communicate the impact of youth contributions to climate and energy development indicators, backed by data and evidence.

YOUTH IMPACT FRAMEWORK RESEARCH PROJECT MILESTONES

- 10 stakeholder roundtable sessions
- 16 youth 1:1 interviews and survey responses: 6 Africa, 3 Asia & South-east Asia, 6 Canada, 1 Europe
- Initial Findings Report launched at COP27 in Sharm El-Sheikh



HIGHLIGHTS

- This is the first research project by Student Energy done with the support of university researchers, giving it substantial critical feedback on the research process and report framing.
- The research project has sparked conversations on defining impact that is relevant to show the credibility of youth-led projects. Concepts such as long-term vs. short-term, quantitative vs. qualitative, and the language used are being discussed in creating this framework.
- Datasets on how many global youth-led climate initiatives and projects are difficult to quantify. The Youth Impact Framework will be a tool for many youth and youth organizations to use in measuring the impact of their initiatives.



RESEARCH PROJECTS

ENERGY TRANSITION SKILLS PROJECT

The Energy Transition Skills Project is a research project developed by Student Energy, in partnership with Ørsted. The research project aims to understand what young people need when pursuing a career that supports the energy transition by identifying barriers, and factors that make these careers more accessible for young people.

ENERGY TRANSITION SKILLS RESEARCH PROJECT MILESTONES

- 1,700 surveyed
- Initial Findings Report launched at COP27 with Orsted and ILO
- Final Report to be launched in spring 2023



HIGHLIGHTS

- The initial findings of the Energy Transition Skills Project was launched last November 16 at COP 27 in Sharm El-Sheikh, Egypt with Ørsted and the International Labour Organization (ILO).

CONNECTING WITH OUR COMMUNITY

SOCIAL MEDIA UPDATE

In 2022, our social media platforms Instagram, LinkedIn, Facebook, and Twitter received a total of

1,337,055 IMPRESSIONS & 173,560 ENGAGEMENTS

We use these platforms to reach young audiences, partners, and interested stakeholders so they are in the know about announcements and updates on our programs and research projects. Apart from that, we use our social media as a tool to spread awareness and research-backed information about climate and energy issues, solutions, and innovations in accelerating the energy transition. We also connect to our youth network through our social media platforms.

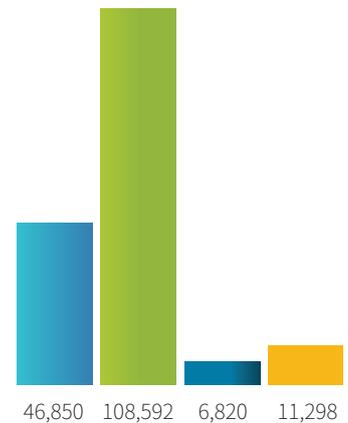
Follower Growth



Impressions



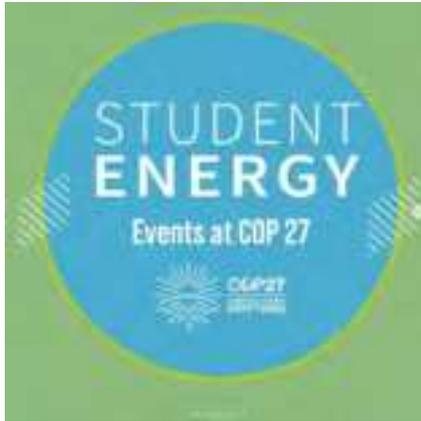
Engagements



- LinkedIn
- Instagram
- Facebook
- Twitter

CONNECTING WITH OUR COMMUNITY

SOCIAL MEDIA SNAPSHOT - HIGHLIGHT POSTS



COP 27 EVENTS CAROUSEL

- Total Impressions: 6,220
- Total Engagements: 821
- Total Likes: 248



PARTNER ANNOUNCEMENTS

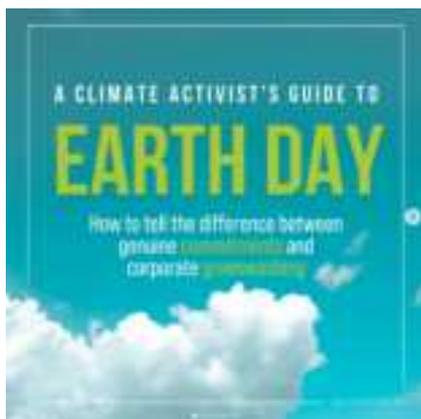
- Total Impressions: 12,202
- Total Engagements: 553
- Total Likes: 420

LITTLE MISS HOTTER THAN UK HEATWAVE



ENERGY MEMES

- Total Impressions: 5,984
- Total Engagements: 1,109
- Total Likes: 1,209



ENERGY 101: EARTH DAY

- Total Impressions: 7,256
- Total Engagements: 744
- Total Likes: 273

SPEAKING ENGAGEMENTS, BOARDS & COMMITTEES

SPEAKING EVENTS

- **1/13/2022** Norwegian University of Science and Technology Podcast (Meredith)
- **1/18/2022** CRIN: Cleantech Opportunities in Oil and Gas (Meredith)
- **2/10/2022** Calgary Economic Development: New Economy LIVE: Calgary - A Net-Zero Leader (Meredith)
- **2/15/2022** Oslo Energy Forum (Meredith)
- **2/16/2022** Rotary Club of South Cowichan Meeting (Lindsay)
- **2/16/2022** House of Commons Testimony of the GYEO (Meredith)
- **3/3/2022** DNV Talks Energy Podcast (Meredith)
- **3/28/2022** VCC: Starting a Green Initiative Panel (Meredith)
- **3/28/2022** VCC: The Role of the Energy Sector in Reaching Net Zero Panel (Meredith)
- **5/19/2022** SEForAll Forum: 10 Years of SEforALL Powering SDG7 (Meredith)
- **5/26/2022** QUEST Virtual workshop on Community Engagement (Marcus)
- **6/16/2022** IRENA Student Leaders Programme -10th session (Grace)
- **7/21/2022** The Path to Net Zero: Cultivating The Next Generation of Climate Leaders (Meredith)
- **9/22/2022** Bold Action - Your Individual Carbon Footprint Panel (Grace)
- **9/23/2022** From blindspot to hotspot: accelerating the transition to sustainable cooling for climate mitigation and adaptation (Shakti)
- **9/23/2022** Gender & Energy Compact Side Event (Serena)
- **9/29/2022** Building Bridges Launch Webinar: Financing a Secure and Clean Energy System (Helen)
- **10/13/2022** EHRC Agents of Change: Getting It Done/Making DEI an Enterprise Priority (Jade)
- **10/14/2022** Pembina Institute and GLOBE Series: The Women in Energy Transformation Series (Meredith)
- **11/8/2022** COP27: How can clean energy mitigate climate change, accelerate development, and support food security? (Shakti)
- **11/9/2022** COP27: Compact Presentation at SDG 7 Pavilion (Dabira)
- **11/9/2022** COP27: Youth Financing Done Right: How to best structure youth-financing program in developing countries (Abdullah)
- **11/9/2022** COP27: Youth Leadership for the Energy Transition (Grace)
- **11/9/2022** COP27: Just sustainability, Circular Economy and Social Justice: employment and social policies to support a just green transition across the globe (Shakti)
- **11/10/2022** COP27: Launch of the Energy Transition Commission (Eduarda moderating, Helen speaking, Arsenii speaking)
- **11/10/2022** COP27: Youth in the Energy Transition - Panel Discussion (Abdullah)
- **11/10/2022** COP27: Teaching for the Transition (Grace, Mira)
- **11/10/2022** COP27: Youth Energy Compact Showcase (Dabira)
- **11/10/2022** COP27: Empowering Youth in Climate and Sustainable Energy (Abdullah)
- **11/10/2022** COP27: Energy for Change Panel Event with Fortescue Future Industries (Benji and Natalia)
- **11/10/2022** COP27: Investing in Youth for a Just Energy Transition (Grace moderating, Eduarda speaking, Vaughn speaking)
- **11/10/2022** COP27: Fireside Chat with Simon, CEO of GEAPP and Dabira, Student Energy (Dabira)
- **11/10/2022** COP27: Launch of the Youth Impact Framework, with the Global Covenant of Mayors (Shakti)
- **11/11/2022** Empowering Youth in the Energy Transition: Student Energy Summit 2023 (Benji)
- **11/11/2022** COP27: UNDP COP27 Hour (Dabira)
- **11/11/2022** COP27: Global Alliance for Sustainable Energy Event (Meredith moderating)
- **11/11/2022** COP27: Panel Discussion - Energy Transition, Green Jobs and Skills (Dabira)
- **11/11/2022** COP27: Net Zero Urban Program: Calling for solutions and a coalition of the willing (Helen)
- **11/12/2022** COP27: There is No Food Security Without Clean Cooking (Shakti)
- **11/13/2022** COP27: Capacity Building: Energy Literacy to Power a Greener Future The Commonwealth Secretariat (Helen)
- **11/14/2022** COP27: Where is the Money for a Gender Just Transition? (Dabira)
- **11/14/2022** COP27: The role of partnerships across generations and countries in the just transition (Helen)
- **11/14/2022** COP27: The Renewable Energy Sector as a Catalyst for Gender Equity (Eduarda)
- **11/14/2022** COP27: Achieving Energy Security, Independence and Sustainability with Renewables focused Local Action (Vaughn)
- **11/14/2022** COP27: Meeting between youth representatives and Mary Warlick, IEA Deputy Executive Director (Dabira and Eduarda)

SPEAKING ENGAGEMENTS, BOARDS & COMMITTEES (Continued)

- **11/15/2022** COP27: Game Changers Accelerating the Global Energy Transition (Eduarda)
- **11/15/2022** COP27: Unlocking Potential: Working with Young People for a Just Transition (Lead Organizer)
- **11/15/2022** COP27: Africa's Just Energy Transition: Scaling Up Renewable Energy Minigrids for People and Planet (Dabira)
- **11/15/2022** COP27: Green jobs in the Energy Transition (Vaughn)
- **11/15/2022** COP27: Student Energy Summit 2023 Abu Dhabi: Uniting & Empowering Youth for the Energy Transition (Grace and Benji)
- **11/15/2022** COP27: COP27 Energy Day Implementation Lab "A cleaner power sector by 2030: Scaling renewable and storage-based systems." (Eduarda)
- **11/15/2022** COP27: Indigenous & Youth Leadership in Canada's Road to Net-zero (Lead Organizer)
- **11/16/2022** COP27: Orsted Energy Transition Skills Launch (Lead Organizer)
- **11/16/2022** Student Energy Summit 2023 Abu Dhabi: Uniting & Empowering Youth for the Energy Transition (Benji)
- **11/22/2022** Cleaning Up Episode w. Meredith Adler, Student Energy

CONFERENCES ATTENDED

- IRENA Youth Forum in Abu Dhabi (January)
- Mission Innovation Urban Transitions Meeting in Paris (February)
- The Forbes 30/50 Summit in Abu Dhabi (March)
- Berlin Energy Transition Dialogue (March)
- GLOBE Forum in Vancouver (March)
- CEM13/MI-10 Annual Gathering in New Delhi (April)
- SEforAll Forum in Kigali (May)
- Africa Energy Forum in Nairobi (June)
- Stockholm+50 in Stockholm (June)
- YES! Youth Energy Summit Launch in Brussels (June)
- Global Clean Energy Action Forum (GCEAF) in Pittsburgh (September)
- New York Climate Week in New York (September)
- Energy Disruptors in Calgary (September)
- Clean Cooking Forum in Accra (October)
- COP 27 in Sharm El Sheikh, Egypt (November)

COMMITTEES

- UN Energy Compact
- UN Global Compact Network
- Youth Energy Transition Commission
- Powering Past Coal Alliance
- Global Alliance for Sustainable Energy (Enel)
- SDG7 Youth Constituency (UNMGCY)
- Global Council on SDG7 (IRENA)
- David Suzuki Foundation Clean Power Pathways Steering Committee
- European Youth Energy Network Founding Partner

YOUTH DELEGATIONS TO CONFERENCES

- COP 27 (2022)
- Participants: 9 staff, 26 total youth (including SES team)
- Output: 33 speaking events, 3 SE-hosted Pavilion Events, partner meetings for SE and SES
- Highlighted collaborators: SEforALL, GCoM, Orsted, Canada Pavilion, We Mean Business
- Sustainable Energy for All Forum (2022) - Support Role
- Participants: 6 staff, 300 youth delegates
- Output: "Get Funded" Workshop, "Powerful Communicators" Workshop, Delegation support

POLICY SUBMISSIONS

- Global Alliance on Sustainable Energy's Technical Working Group 1 Position Paper
- Written comments to inform the GASE's Position Paper, encouraging more direct mentions of young people, equity, and discussion of demand-side management
- Article for EU Sustainable Energy Week
- "Engage youth to accelerate the energy transition: 3 ways to go beyond rhetoric" article sent to EUSEW members

YEAR IN REVIEW



YEAR IN REVIEW: LEARNINGS

Last year, we set our focus on “strengthening our roots & creating tangible impact”, recognizing that as we grow, the complexity of our work will certainly increase and we would need to have strong roots to be sustainable. And yet, this makes it all the more important that we remain focused on the urgency of the climate crisis and dedicated to implementing tangible solutions.

Since 2019, we’ve dedicated a section in our Annual Report that looks back at the goals we had set in our previous Annual Report, to reflect on what we learned from our youth network and global community along the way. Let’s look at how we did:

1. Launching Student Energy Guided Projects (formerly Ventures): After a rebrand, we launched Student Energy Guided Projects in 2022. This program is piloting a direct-to-youth funding model to support youth-led clean energy entrepreneurship and clean energy project development skills. Starting with a focus on solar PV, we began the program with a pre-pilot team in Edmonton, Alberta, who successfully completed their small-scale solar PV project. Shortly after, we formally launched the pilot cohort with 6 teams from all across the world all developing their clean energy solar projects from project planning, development, and execution with the support and mentorship of Student Energy.

2. Implementing greater equity measures across our programs and operations: From introducing translation features and other internet accessibility updates to our website, to executing the 2021 recommendations from Student Energy’s Intersectional Equity Taskforce, including providing anti-racism and equity trainings for our staff, embedding equity mechanisms into our programming with an emphasis on a global perspective, and implementing organizational goal setting and program evaluation systems that include our Theory of Change, youth engagement principles, and alignment with Truth and Reconciliation Calls to Action.

3. Launching the Student Energy Career Training program: With 65 participants selected from close to 1000 applicants, Career Training launched in 2022 with two successful cohorts completing the 4-month hands-on program. We were also thrilled to work with many great practicum partners for this project, including Celium, E3, Enel Foundation, Kanin, Enel Foundation, Greentown Labs, Power for All, Pressure Corp, and SEforALL.

4. Advocating for transformative change on key climate and energy issues. We grew our space for youth work with the development of two new research projects - the Youth Impact Framework and the Energy Transition Skills Project. Initial insights of the research projects were launched November 2022 at COP 27. We expanded our strategic communications by developing concrete action plans for internal and external communications through social media engagements, blog posts, website improvements, and participating in global conferences.

YEAR IN REVIEW: LEARNINGS (Continued)

5. Supporting the next phase of the ImaGENation Indigenous Youth Mentorship Program, led by SevenGen Council, in partnership with Indigenous Clean Energy, and supporting the SevenGen Indigenous Youth Energy Summit which happened last September 2022 at the Whitecap Dakota Nation. The first cohort of Indigenous youth in the program are developing their clean energy projects as it relates to land, water, food, and infrastructure to make space for sustainable solutions for their communities.

6. Developing an impact framework. This year, we conducted further evaluation on the collection of robust organizational impact data, and developed an organizational impact framework set to be launched in early 2023, for transparency with our youth network and accountability to our own goals.

7. Increasing the stability of our organization. We expanded our organization to 31 staff and 10 associates representing 8 countries, increasing the capacity of our team to grow our Programs Ecosystem. We also implemented several new internal systems and processes to support the team in their work, including a portfolio-based goals system, time management processes, and team wellbeing activities.



YEAR IN REVIEW: TIMELINE

JANUARY

- Attended the IRENA Youth Forum in Abu Dhabi, United Arab Emirates
- Launched the SE Fellowship Program with 236 fellows from 58 countries
- Launched the SE Career Training Program pilot cohort
- Featured at the Norwegian University of Science and Technology podcast
- Spoke as part of the panel in a virtual webinar “Accelerating Innovation in Oil & Gas program by CCTA and CRIN” hosted by Clean Resource Innovation Network (CRIN)

FEBRUARY

- Launched SE Ventures pre-pilot team (now SE Guided Projects)
- Attended the Mission Innovation Urban Transitions Meeting in Paris, France
- Intervention as a Witness, representing Student Energy, for the Standing Committee on Natural Resources
- Spoke as part of the panel in a virtual webinar “New Economy LIVE! Calgary - a net zero leader” hosted by Calgary Economic Development

MARCH

- Student Energy spoke at Starting a Green Initiative Panel, and The Role of the Energy Sector in Reaching Net Zero Panel at Vancouver Community College along with other energy leaders discussing the Energy Transition
- 24/7 Carbon-Free Energy Discussions with Google and Student Energy
- Spoke at the Oslo Energy Forum in Oslo, Norway to discuss the Global Youth Energy Outlook (GYEO)
- Featured at the DNV Talks Energy Podcast hosted by DNV

APRIL

- Attended the CEM13/MI-10 Annual Gathering in New Delhi, India

MAY

- Attended and moderated panel sessions at the Sustainable Energy for All (SEforALL) Forum in Kigali, Rwanda with 6 Student Energy staff and 300 youth delegates participating in the forum.
- Presented at the QUEST Virtual Workshop on Community Engagement on youth engagement practices and how to work with youth

YEAR IN REVIEW: **TIMELINE** (Continued)

JUNE

- SES 2023 location announced
- Attended the Africa Energy Forum and Youth Energy Summit Launch in Brussels, Belgium
- Announcement of Enel Foundation as Knowledge Partner in the second cohort of SE Career Training Program
- Attended the Clean Energy Association: Public Advisory Panel in Toronto, Ontario
- Participated in the IRENA Student Leaders Programme (10th Session) virtual training initiative

JULY

- Spoke in “The Path to Net Zero: Cultivating the Next Generation of Climate Leaders”, a LinkedIn Live Series together with Plan A CEO Lubomila Jordanova

AUGUST

- SE Guided Projects launched the pilot cohort on August 22, 2022 with 6 global teams designing and creating clean energy projects in their respective localities
- Launched the second cohort of SE Career Training Program

SEPTEMBER

- Attended, and spoke at various events at the Global Clean Energy Action Forum (GCEAF) in Pittsburgh, Pennsylvania and New York Climate Week in New York City
- Spoke at “From blindspot to hotspot: Accelerating the transition to sustainable cooling for climate mitigation and adaptation” at GCEAF
- Spoke at “Gender & Energy Compact Side Event” at GCEAF
- Hosted a Student Energy side event at the Global Clean Energy Action Forum (GCEAF) in Pittsburgh, Pennsylvania
- Attended Energy Disruptors Unite Summit in Calgary, Alberta
- Natural Resources Canada (NRCan) contributes \$5.3 million to support youth participation in the clean energy sector
- SevenGen 2022: The Power of Kinship was successfully hosted at the Whitecap Dakota Nation, Saskatchewan from September 8-11, 2022. This is the second in-person SevenGen Summit
- Participated in a panel at Bold Action - Your Individual Carbon Footprint at Calgary

YEAR IN REVIEW: **TIMELINE** (Continued)

OCTOBER

- Attended the Clean Cooking Forum in Accra, Ghana
- Launched the Youth Impact Framework under Student Energy's Policy and Advocacy Portfolio
- Launched the Energy Transition Skills Project under Student Energy's Policy and Advocacy Portfolio
- Participated at the EHRC Agents of Change: Getting It Done/Making DEI an Enterprise Priority in Toronto, Ontario discussing Diversity, Equity, and Inclusion in the Energy Sector and at Student Energy
- Participated in The Women in Energy Transformation Series organized by The Pembina Institute and GLOBE Series.

NOVEMBER

- Attended, hosted, facilitated, and moderated 33 speaking events, 3 Student Energy-hosted Pavilion Events, and partner meetings for Student Energy and the International Student Energy Summit (SES) at COP27 in Sharm El-Sheikh, Egypt. Highlighted collaborators include Sustainable Energy for All (SEforALL), Global Covenant of Mayors (GCoM), Orsted, Canada Pavilion, and We Mean Business.
- Launched the Youth Impact Framework Initial Findings Report at COP27 in Sharm El-Sheikh, Egypt
- Launched the Energy Transition Skills Project Initial Findings Report at COP27 with Orsted and International Labour Organization (ILO)
- Student Energy's Executive Director Meredith Adler was featured in Cleaning Up with Michael Liebreich podcast episode

DECEMBER

- SE Fellowship 4th cohort recruitment opens



LOOKING AHEAD



LETTER FROM OUR INCOMING EXECUTIVE DIRECTOR

It is with huge pride and optimism that I reflect on Student Energy in 2022 and the road ahead in 2023. Over the last five years, I've had the opportunity to be a member of a compact leadership team and working side-by-side with Meredith as we put Student Energy on a path to growth and impact, taking our team of 3 chronic multitaskers to 41 hardworking, focused team members in 2022. This wasn't without its challenges, and as the organization's head of fundraising since my start I know too well the pressure of feeling all of the potential impact your organization has to offer and actually getting the resources, systems, and team lined up to take us there. Add to that a global pandemic, rising urgency of addressing the climate crisis, and the unique challenges that come with building a robust and well-supported youth organization, and I'm left feeling proud and resolute in what our team has built over the last twelve months. For anyone who has the distinct privilege of meeting youth in our network, this movement continues to provide a source of hope, energy, and inspiration in an increasingly complex and urgent fight to put the planet on a path to 1.5 and a just, equitable, sustainable energy transition.

Stepping into the role of Executive Director of Student Energy is an honour and a privilege I take seriously, and though her shoes will be impossible to fill, I am endlessly grateful for everything Meredith has done to support me and to get Student Energy to this point of alignment with our Theory of Change, consistently putting young people at the center of everything we do.

Coming from my role as Senior Director of Partnerships, I feel strongly about Student Energy's role as a collaborator and accelerator in the global system of actors working towards a just and sustainable energy transition. I am so grateful to all our champions, co-conspirators, partners and collaborators who supported our work through 2022 and continue to support our vision and leadership transition in 2023. To all the young people in our network: You are incredible, and you are the reason the team at Student Energy does what we do (and the reason people like Kali, Meredith and I find it nearly impossible to leave!). Our programs in 2022 proved that the potential for young leadership in the energy transition is truly limitless, and resolved us in the conviction that we need to do more to meet this challenge with the generational effort we know can create real impact at all levels of global action. Some of the highlights that stuck with me from our work this year:

- We undertook an organization-wide strategic planning process to build our roadmap for Student Energy over the next 3, 5, and 8 years.
- Student Energy made strides in launching successful first cohorts of our new careers and entrepreneurship-focused programs suite, while at the same time significantly growing our "foundation" programs, including global Chapters, the Fellowship, and digital energy education platform
- The organization supported the SevenGen Council in hosting the second SevenGen Indigenous Youth Energy Summit in Saskatoon, Canada, and supported the continuation of the ImaGENation Youth Mentorship Program in collaboration with Indigenous Clean Energy
- We led youth delegations and represented Student Energy at international spaces including the UN Climate Change Conference (COP 27) in Sharm El-Sheikh, Egypt, the Global Clean Energy Action Forum in Pittsburgh, Pennsylvania, the Sustainable Energy for All Forum in Kigali, Rwanda, the Clean Cooking Forum in Accra, Ghana, New York Climate Week, the Africa Energy Forum, the European Youth Energy Forum, and more.

I am excited to share more of my vision for Student Energy's next phase with you and the rest of our community, and until then, I hope you will join me in taking time to reflect on what you have been a part of creating in 2022 and celebrate this movement to empower youth and create real systems change for the future of energy.



Helen Watts, Incoming Executive Director

FOCUS FOR 2023: RENEWING OUR MISSION & BUILDING GLOBAL PARTNERSHIPS

After dedicating sustained effort over the past few years to building stronger organizational systems and growing the capacity of our Programs Ecosystem, we are ready to welcome in a new phase of Student Energy in 2023. As Meredith transitions out of Student Energy after 8 years of leadership, and Helen takes over the Executive Director role, we are taking the opportunity to renew our commitment to the vision and mission on our Theory of Change and illustrate how we will deliver on it in 2023 and beyond. Now with a number of experienced Associates (international team members), we are also focused on building global partnerships - both building the community connections and relationships that will support us to expand in our target regions, and unlocking global financial and strategic partnerships to enable us to support young people to lead work in these regions. As we refine these forward-looking strategies, we are committed to delivering on our core programs and youth empowerment values throughout the year.

We recognize the importance of providing diverse pathways for young people to develop an interest in energy, access foundational energy system education, connect with peers and mentors across the globe, and learn the necessary applied skills to initiate and execute projects. We plan to continue diversifying our programs ecosystem and exploring new opportunities to reach and empower young people in the energy sector. Another area of focus in 2023 will be to create even more space for youth to share their perspectives on energy and climate issues. We believe that young people hold the key to building a more just, equitable, and sustainable energy future, and we are committed to providing platforms for their voices to be heard.

Select key goals for 2023:

1. Successfully hosting SES 2023 in Abu Dhabi, bringing together 500+ young people from around the world
2. Completing the first cohort of the Guided Projects program, and launching another cohort
3. Unlocking 1-2 key global strategic and funding partnerships to enable long term global work
4. Releasing and disseminating our first round of three research projects, with active stakeholder engagement throughout
5. Growing our Chapters Program and Fellowship Program to bring in hundreds more young people into our active network
6. Launching a program designed specifically to enable alums of Student Energy to connect and mentor current program participants
7. Amplifying youth-led action on energy on global stages and decision-making spaces



STUDENT ENERGY SUMMIT (SES) 2023

Student Energy Summit (SES) 2023, the world's largest student-led conference on energy, was launched in October this year! The summit received **1,506 pre-registrations** from **122 countries**, **82 ODA countries**, and **10 GYEO Regions**.

Student Energy Summit 2023 is about **Reimagining the Future**. The summit will take place from November 28 - December 1, 2023 and will be hosted in Abu Dhabi in the UAE, a global hub for energy. In collaboration with local and global partners, we aim to empower a new generation of energy sector leaders and highlight the success story and vision of the UAE's energy transition.

At SES 2023, youth will have the opportunity to engage with peers, industry leaders and global experts in a multidisciplinary forum to learn, collaborate, and take action on energy. Whether the area of expertise is in finance, engineering, communications, or policy. Whether the interest is in working with the government, private or public sector, or grassroots mobilization. The mission is to ensure that youth are prioritized as key stakeholders and an essential part of the energy transition. The summit will be a catalyst in shaping a sustainable and equitable energy future that unites us all.

2022 STATS

- 1,506 Pre-registrations
- 122 Countries
- 82 ODA Countries
- 10 GYEO Regions



SES 2023

STUDENT ENERGY SUMMIT
مؤتمر الطاقة الطلابي



ABOUT THE TEAM



STUDENT ENERGY TEAM

This year, our Student Energy Global team grew to 31 staff and 10 associates, from having 29 staff and 7 associates in 2021, based in 8 different countries.

STUDENT ENERGY GLOBAL

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Greta Jang
Research & Design Assistant

Juliana Xu
Content Creation Assistant

Sam Moorsom
Ventures Content Creation Assistant

SEVENGEN COUNCIL

Jordyn Burnouf, Co-Chair

Nathan Kaye, SevenGen Lead, Co-Chair

Danielle Kehler, SevenGen Manager, Vice-Chair Delegate Relations

Jukipa Kotierk, Vice-Chair Delegate Relations

Mihskakwan James Harper, Vice-Chair Sponsorship

Serena Mendizabal, Vice-Chair Logistics and Events

Shana Southwind, Vice-Chair Marketing

Sydney Kuppenbender, Vice-Chair Program

BOARD OF DIRECTORS

As a global organization, it has always been our goal to have our Board of Directors be as global and intergenerational as the rest of our organization. In 2022 marks the first full year of our Board being partially comprised of members from outside Alberta and Canada.

2022 BOARD MEMBERS

- Kali Taylor, Board Chair & Co-Founder
- Mrinalini Shinde (Germany), Vice-Chair
- Santiago Espinosa De Los Monteros (Mexico), Secretary
- Ivy Wan, Treasurer
- Janice Tran, Director, Co-Founder
- Dan Fipke, Director
- Jochen Cremer, Director
- Kakembo Galabuzi Brian, Director
- Kristen King, Director
- Shayan Najib, Director

In 2022, Andrea Gonzalez and Julia Maria Becker departed from the Board. We thank them for their time and expertise!



MEDIA



CBC Radio Syndication - COP27, featuring Grace Young and Danielle Kehler



National Observer - "[Meredith Adler taps into student energy](#)", featuring Meredith Adler



[The fight for a better tomorrow: Canada's top 30 under 30 sustainability leaders of 2022](#)



AEEP Energy Talks - [Tying the Green Energy Initiative to a Just and Equitable African Energy Transition](#)



[Shakti on CBC's The Current with Matt Galloway, Canada's national morning current affairs radio program](#)

FUNDING PARTNERS



STRATEGIC & COLLABORATIVE PARTNERS



STUDENTENERGY
ANNUAL
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