

STUDENTENERGY

2021 ANNUAL REPORT



▶ LETTER FROM OUR BOARD CHAIR AND EXECUTIVE DIRECTOR

DEAR STUDENT ENERGY COMMUNITY...

Through the highs and lows of this rollercoaster of a year that was 2021, we at Student Energy feel lucky to get to witness, support, and be inspired by the passion and resilience of Student Energy's global community. Young people around the world have consistently demonstrated their determination to work on climate solutions. The milestones and progress that Student Energy's network was able to achieve this year are a testament to that statement.

Around the world, young people are excited about the potential to work in energy and be part of climate solutions. Yet, they still face disproportionate barriers to being able to start their career or launch their first business. To do our part to close this gap and do our part to achieve SDG 7, Student Energy launched the Solutions Movement, our UN Energy Compact. Our goal is to mobilize \$150 million to provide coaching, mentorship funding and training for 10,000 youth-led energy projects by 2030.

Young people are currently an overlooked climate solution. We have the opportunity to support them in becoming the professionals, entrepreneurs, and community members the world needs to achieve a sustainable energy system.

In 2021, we were thrilled with the progress of our community in delivering on this work. Leveraging this momentum, Student Energy was able to grow as an organization and support over thirty staff and associates around the world working to scale our Programs Ecosystem. This not only allows more youth to be positively impacted by our programming, but also provides us the opportunity to directly learn from the young people we are working to serve. This year, we were able to engage double the number of teams in the Student Energy Fellowship, welcome twelve new university chapters around the globe, support the SevenGen Council in their next phase of growth, incorporate the recommendations of our intersectional equity taskforce, and plan the launches of two new programs: Ventures and Career Training. This growth allows us to take deliberate action on youth empowerment in the energy system in the areas that need it most.



One of the accomplishments we are most proud of is the launch of the Global Youth Energy Outlook. Working with over 40,000 youth globally, we addressed the large data gap that exists on mapping out what young people want from the energy transition and how they want to work with governments, companies, and organizations to make it happen. With over 82% of young people globally saying they would vote for a politician based on energy policy, it's clear that the transition has an incredible force of champions we need to support in order to accelerate change.

In 2022 and beyond, Student Energy will continue to grow our programs to a scale that allows us to provide young leaders with the capacity they need to drive change. We will remain committed to the goals of the Solutions Movement and actively include youth in our decision-making processes as we progress towards a sustainable, equitable energy future.

As you read through this report, we hope that you will also be inspired to join a Student Energy program or become part of the support system working leveraging intergenerational collaboration to deploy the solutions we all need.



A white handwritten signature of Kali Taylor on a dark blue background.

KALI TAYLOR

Board Chair & Co-Founder



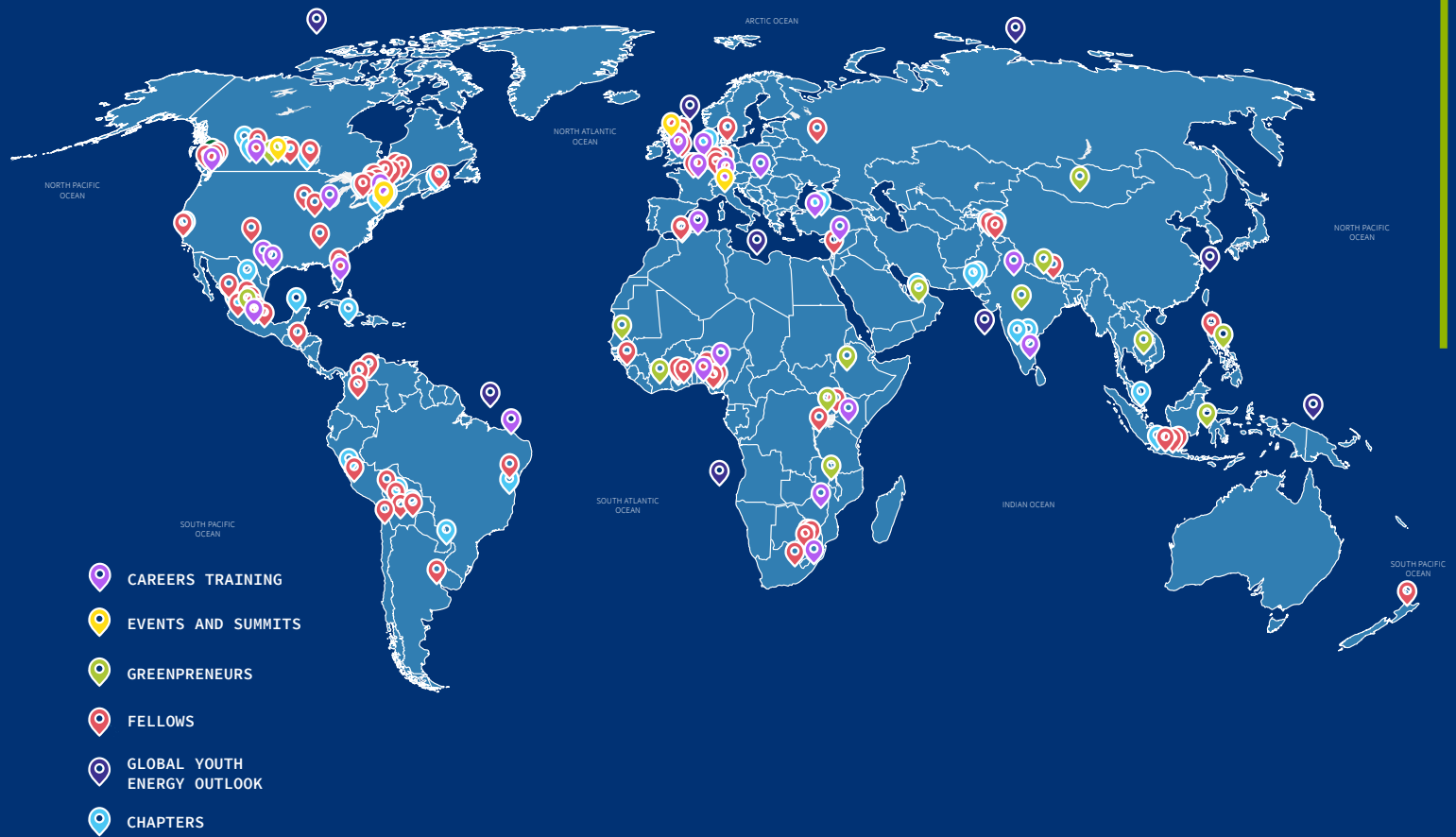
A white handwritten signature of Meredith Adler on a dark blue background.

MEREDITH ADLER

Executive Director



2021 AT A GLANCE



40
Chapters

43,579
Chapter
engagements

57
Countries represented across
our programming

41,652
Global Youth
Energy Outlook
Responses

132
Countries
represented
in the GYEO

\$2.1 Million
Budget for 2021

35
Staff &
associates

34
Regional
dialogues

604
Energize
registrations

43
Partners

22
Funding
partners

25
Strategic
partners

14,248,175
Energy systems map views

SE CHAPTERS

In 2021, we welcomed 10 new chapters from: New York University Abu Dhabi (United Arab Emirates), University of Saskatchewan (Canada), Ashesi University (Ghana), Amrita Vishwa Vidyapeethan (India), Mico University College (Jamaica), National Polytechnic Institute of Mexico (Instituto Politécnico Nacional; Mexico), CECOS University of IT and Emerging Sciences (Pakistan), National University of Singapore (Singapore), Yale University (USA), and Dartmouth College (USA).



40

Chapters

18

Countries

43 579

*Community and virtual
engagements*

HIGHLIGHTS

- Western University organized a design jam, a case competition, and networking sessions during their Spring Symposium (April)
- The President of our partner Chapter at Yale, Sena, presented a powerful address at the HLDE Ministerial on Energy Access. [Here](#) is the entire ministerial segment, he comes in at minute 12! (June)
- The Chapters participated in their exclusive Engagement Kickstarter event, which was a Hackathon-styled event to facilitate collaboration and meaningful engagement among the Chapters community. They worked together in breakout rooms to determine one energy challenge shared across their communities and what goals they should prioritize to address the challenge. (July) Here are some key findings:
 - A lack of energy access presents challenges for marginalized communities across the entire Chapters network, mainly Indigenous, rural, and remote communities.
 - There is a lack of a sustainable policy framework, and existing policy is a barrier to providing sustainable energy in marginalized communities.
 - By focusing on community-based solutions, Chapters can understand the unique challenges of each community. They can then work with governments to address these challenges through policy reform and investments into the community.
 - Energy education and training programs focused on building community capacity can be done by Chapters, and they can use fundraising strategies to cover the initial costs of these programs.

- Student Energy Amrita in India and Mohamed Faris of Student Energy Carleton in Canada held a presentation “Empowering Youth for a Sustainable Future” to discuss the importance of taking action, why and how students can take action, and how a small start can lead towards a significant impact. They also held a roundtable conference, Speak For Change, that encouraged students to debate and openly discuss various topics related to environmental issues and energy conservation. (Nov)
- The **University of Port Harcourt** Chapter is planning a solar energy project to allow students at their University to charge their phones using solar energy (May)
- Our Chapter at **Padjadjaran University** will be continuing their Chapter’s 3-year running Easy Bike project, a solar bike sharing system while conducting research to produce data on its sustainability. (May)
- If you tuned in to October’s Programs Newsletter, you would remember that our Chapter at Bolivia Catholic University, “San Pablo” designed an electric vehicle and then competed in the Solar Grand Prix competition, which is an educational, cultural, and scientific environmental event. The Grand Prix challenged Universities, Technical Institutes, and Technological Innovation Companies to develop prototypes of electric vehicles that can travel across cities and must be designed to meet the necessary benefits of conventional vehicles that test Bolivian engineers’ capacity.

This year, the challenge was a 540 kilometer route through Aiquile, Chuqui Chuqui, Sucre, Potosi, and Betanzos. We are thrilled to share that their team reached the finish line after traveling through extreme conditions in places totally unknown to them. (Nov)

- Nuclear Energy has been a hot topic for our Chapter at **Tecnológico de Monterrey University**. They held several events over the month including a [Nuclear Energy webinar](#) and they launched a YouTube video about [Nuclear Energy 101](#). (May)
- Our partner Chapter at **Columbia University**, SIPA Energy Association, in the United States, launched a Women In Energy Mentorship Program to match first-year SIPA graduate students with mid-career professionals in energy policy, finance, and consulting. (Nov)
- Our Chapter at **Universidad Autónoma de Yucatán**, Mexico began a new season of podcasts with the support of Iniciativa para la Península de Yucatán y Chiapas (IPYUCC) and Cohesión Comunitaria e Innovación Social (CCIS). The collaborative project aims to create six episodes that cover citizen participation in energy community projects and environmental activism, among other topics. Guests on their podcasts are experts, citizens, youth, and in collaboration with other associations.

 **READ MORE CHAPTERS STORIES**



CHAPTERS AROUND THE GLOBE

North America

- Simon Fraser University (Canada)
- University of Saskatchewan (Canada)
- Carleton University (Canada)
- University of Alberta (Canada)
- University of Western Ontario (Canada)
- Northern Alberta Institute of Technology (Canada)
- Dalhousie University (Canada)
- University of Waterloo (Canada)
- McGill University (Canada)
- University of Manitoba (Canada)
- Dartmouth Energy Alliance (USA)
- Columbia University (USA)
- Yale University (USA)
- University of California - Davis (USA)

Latin America & the Caribbean

- Faculdade Independente do Nordeste (Brazil)
- Federal University for Latin American Integration (Brazil)
- Universidad San Francisco Xavier de Chuquisaca (Bolivia)
- Mico University College (Jamaica)
- Tecnológico de Monterrey University (Mexico)
- Universidad de Guadalajara (Mexico)
- Instituto Politécnico Nacional (Mexico)
- Universidad Autónoma de Yucatán (Mexico)
- Universidad de Ingeniería Y Tecnología (Peru)

Europe

- University of Groningen (Germany)
- Durham University (UK)

Middle East & North Africa

- Pan African University Institute of Water and Energy Sciences (Algeria)
- Middle East Technical University (Turkey)
- New York University (UAE)

Sub-Saharan Africa

- Asheshi University (Ghana)
- Federal University of Technology Owerri (Nigeria)
- University of Port Harcourt Uniport (Nigeria)

Indian Subcontinent

- Amrita Vishwa Vidyapeetham (India)
- Tamil Nadu National Law University (India)
- Cecos University of IT and Emerging Sciences (Pakistan)
- US Pakistan Center for Advanced Studies in Energy (Pakistan)
- NED University of Engineering and Technology (Pakistan)
- Mehran University of Engineering and Technology (Pakistan)

South East Asia

- Padjadjaran University (Indonesia)
- National University of Singapore (Singapore)

SE FELLOWSHIP

The Student Energy Fellowship wrapped up its third cohort this October! The Student Energy Fellowship 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 600 applications, this year's cohort consisted of 59 teams and 130 Fellows from 38 countries!

HIGHLIGHTS

Adidaya Initiative (Indonesia & France)

Adidaya Initiative - Volunteer Program will prepare Indonesian youth to acquire necessary skills and work on projects aimed to promote clean energy in Indonesia. The six-month program will consist of training and on-field project development such as Small-Scale Renewable Power Generation Installation, Policy Advocacy and Public Discussion. Volunteers will be working with medium-sized, fast-paced teams assigned by Adidaya Initiative.

Joules (Mexico)

Joules is a youth association dedicated to strengthening the development of renewable energy and sustainability in Mexico. Joules engaged and empowered rural societies with the knowledge and skills to own the agro-waste briquetting process and produce self-consumption energy for domestic use in safer and more sustainably sound ways. They designed, tested, and succeeded in coming up with a working corn-cob briquette formula, acquired a briquette press, and are in talks to implement this in an Indigenous community in Chiapas.

Aarisha Haider (Canada)

Aarisha believes reconciliation is the most important factor in creating a sustainable transition and combating the impacts of climate change. This project aims to bridge knowledge gaps in energy transition, and mobilize communities towards climate action while highlighting the intersections of environmental, social and economic issues of communities who are often burdened with the impacts of climate change. This was tackled by a series of workshops, the writing of a report, and community outreach to much success.

S-Team (Philippines & Canada)

S-Team's "Climate Learning Kit" envisions a world with empowered and literate Filipino youth. Starting with climate education through experiential learning, this project contains a city building model kit as a fun learning tool along with a booklet containing localized topics on climate change, renewable energy, and power generation in the Philippines context. S-Team has created a prototype, a marketing and business plan, and fundraised successfully.

GoParity (Canada)

GoParity Canada is a platform accessible from a laptop, mobile device or tablet. It allows Canadians to browse projects that support their interests, and make investments that provide social, environmental, and financial returns. They lower the barriers to sustainable investing for those with little or no investing experience, simplifying the process by using exclusively debt financing, coupled with an automated loan simulation feature so that users can simulate before they commit. In addition, they are developing an online community with free educational content related to investing and sustainable development.

Nataly Yucra (Bolivia)

"EmprEnergy" aims to reduce the figures of child labor in Bolivia, and increase quality education, health and well-being. EmprEnergy's project will provide dynamic training to low-income children with an age range of 13 to 17 years in rural areas of Bolivia, through workshops on Renewable Energies (climate change, access to energy, green technologies, etc.) and Entrepreneurship applying the Canvas method.



Rory Wheat (Canada)

Rory's project represents an opportunity to demonstrate the economic viability and positive social and environmental impacts that can be realized by replacing conventional heating systems found in Canada's northern communities with biomass fueled boilers. Combining a sustainable harvest of forest crops or co-beneficial partnerships with forestry companies, it can provide the carbon reduction required to create a carbon neutral heating system that is economically viable. Rory acquired a biomass boiler through his university and started launching a Chapter!

Bioworth (South Africa)

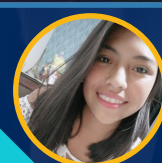
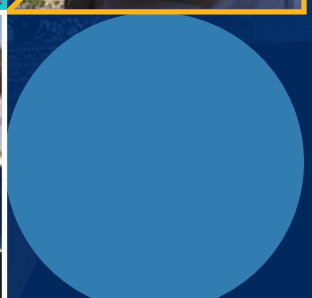
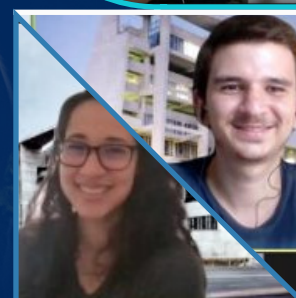
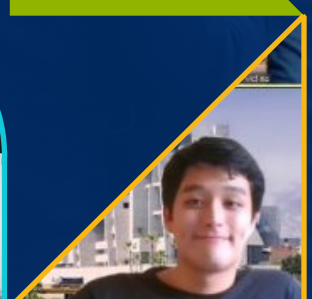
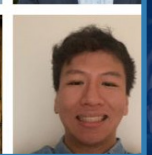
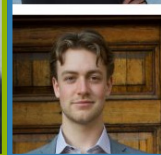
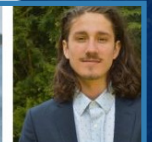
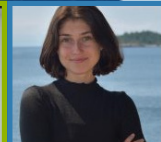
BioWorth's aims is to reach out to rural and underserved communities and educate them on biogas and help them realize how it can benefit the community by giving them access to clean cooking. The objective is to help communities transition from cooking over open fires and/or nonrenewable kerosene (paraffin). They plan on designing and developing a small-scale biodigester and having biomass readily available in homes.

UTEC Fellows (Peru)

UTEC Fellow's project will provide a guide on photovoltaic solar installations, which not only focuses on technical aspects, but on the theory behind it in a friendly and understandable way to empower the community. The manual was written in the most didactic way possible, ensuring optimal comprehension by readers. Their future goal is to be able to distribute it in different rural communities that have a government photovoltaic installation plan or that are in the process of its implementation.

Carolina Parra (Chile)

The Electromobility Technical Summit is a project that, for the first time, brought together all Chilean academics researching in this area. The main objective is to disseminate knowledge and motivate university students so that human capital increases and the electromobility ecosystem continues to grow. The Electromobility Technical Summit united Chilean academics from different universities who are researching electromobility issues in a one-day virtual seminar.



► GREENPRENEURS

Greenpreneurs is a 12 week virtual entrepreneurship incubator and competition open to youth between the ages of 17 and 35, hosted as a partnership by Student Energy, Youth Climate Lab, and the Global Green Growth Institute. Teams of young people are invited to submit their idea for a solution that positively impacts the future of sustainable energy, sustainable landscapes (forestry and agriculture), or green city development. In its 4th year, this Greenpreneurs cohort received applications from 185 teams across 51 countries. Following a rigorous selection process, the final cohort featured 15 teams from 11 countries.

WINNERS

Farm2Table (Cambodia)

A sustainability practitioner consultancy service specializing in the restaurant industry. Based in Phnom Penh, Cambodia, Farm2Table was created with the aim of advocating for reducing food waste at restaurants.

ReciclApp (Mexico)

ReciclApp checks that all your recyclables (whether paper, cardboard, plastics glass, or cans) will be properly recycled, and users receive rewards for helping the environment.

Light of Hope (Philippines)

A grassroots movement founded and largely based in Cebu, Philippines to help mitigate climate change and uplift the lives of the less privileged off-the-grid communities through the use of clean renewable energy technologies and Internet of Things technologies.

Upcycle (Nepal)

A social enterprise that aims to make sure no fabric waste ends up as landfill pollution.

SELECTED TEAMS

| | | |
|------------------------------------|------|----------------|
| Imajinet | ⚡ | Malawi |
| CloudGrid Solutions | ⚡ | Philippines |
| ART-PESOUNG | ⚡🌿🏙️ | Senegal |
| Zichi Foods | 🌿🏙️ | Côte d'Ivoire |
| Upcycle Nepal | 🏙️ | Nepal |
| Ruy Reach Black Soldier Fly | 🌿 | Cambodia |
| RuPower | ⚡ | India & Canada |
| ReciclApp | 🏙️ | Mexico |
| FARM 2 TABLE HOSPITALITY | 🏙️ | Cambodia |
| Organic for Climate | 🌿 | India |
| Butabika Community Recycling Group | 🏙️ | Uganda |
| Airee | 🌿🏙️ | Mongolia |
| Agrolly Mongolia | 🌿 | Mongolia |
| EASY BIKE | ⚡🏙️ | Indonesia |
| Fullrelet | ⚡🏙️ | Mongolia |





ENERGIZE: THE 1 DAY STUDENT ENERGY SUMMIT

604

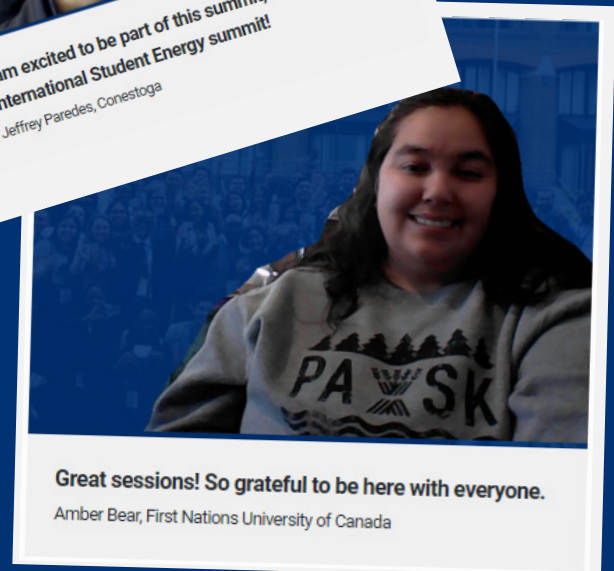
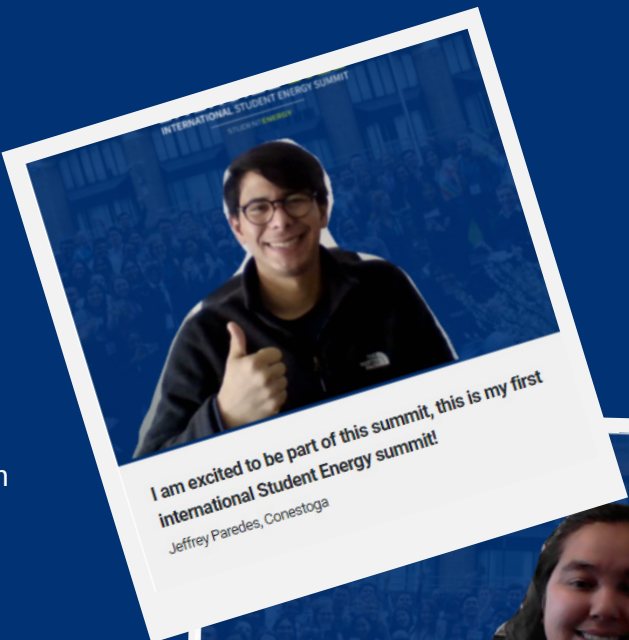
Registrations

86

Countries

On October 8, 2021, Student Energy transformed our flagship biennial event, the International Student Energy Summit, into an entirely virtual summit open to all. Energize: 1 Day Student Energy Summit utilized a mix of digital platforms and curated content to create a uniquely impactful virtual learning and connecting experience while bringing back all the best parts of our Student Energy Summits. Energize showcased incredible youth-led energy solutions accelerating the energy transition while highlighting our exceptional global community. With over 500 registrations, 24 sessions, and 35 speakers, Energize was a moment for the global Student Energy community to connect with and learn from each other.

- 24 sessions, 5 panels and 14 workshops led by youth in SE's network
- 35 speakers with expertise in diverse fields, from entrepreneurship to communications to policy
- Our most popular SES panel, Changemakers, which features Student Energy Alumni. This year's alumni speakers were Andreas Lehner, Mihsakwan James Harper, and Ashley Pilipiszyn
- A creative Showcase with 10 artworks by Danni Kehler
- Unpacking global energy challenges with Michael Liebrich (CEO and Chairman Liebreich Associates), Sherry Kennedy (Director of Communications, Sustainable Energy for All), and Sharron McPherson (CEO, Women in Infrastructure Development Pty Ltd)
- A photobooth





INDIGENOUS STUDENT ENERGY SUMMIT

The SevenGen Indigenous Youth Energy Summit is an Indigenous youth-led conference that connects youth from coast to coast to coast. SevenGen creates pathways to education, and fosters sustainable partnership development between Indigenous youth, communities, and organizations as it relates to Indigenous ideologies of the earth.

Led by the SevenGen Council, the program empowers both Indigenous youth and energy kin to continue improving connections and understandings for a shared energy vision. Building

on the first SevenGen Summit in 2019 which brought together 200 Indigenous youth, this second Summit aims to unite Indigenous youth in the City of Saskatoon provided that young people from all places will be able to travel safely at the time. Postponed from November, 2021 due to COVID-19, SevenGen will be held in September, 2022.



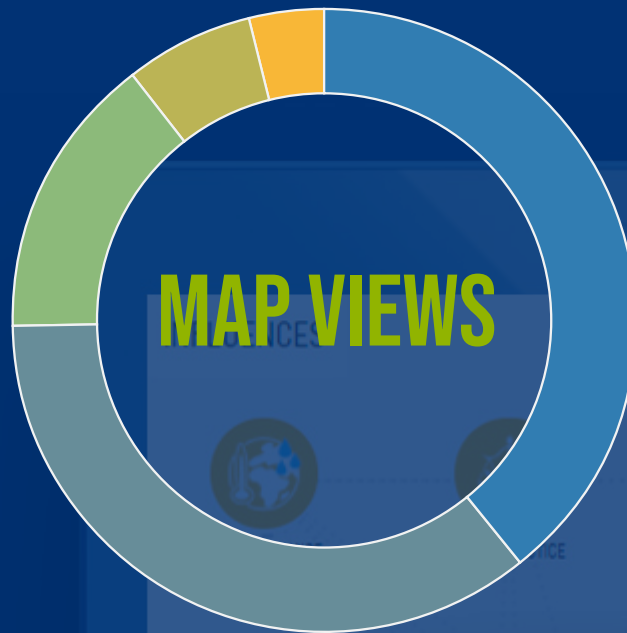
IMAGENATION INDIGENOUS YOUTH MENTORSHIP PROGRAM

In partnership with SevenGen and Indigenous Clean Energy, we have launched ImaGENation (pronounced Imagine-Nation), a clean energy capacity-building program for Indigenous youth. The ImaGENation Indigenous Youth Mentorship program will nurture youth's leadership potential to advance a sustainable and equitable energy future through youth-led clean energy projects. 10 teams from across Canada will embark on an 18-month journey to launch their clean energy project idea. Each team is provided with a culturally embedded ecosystem of support to plan and implement their project goals, including technical mentorship, knowledge keeper guidance, and a \$10,000 project award. Project themes are centered on clean energy as it relates to land, water, food, and/or infrastructure sustainability solutions that impact Indigenous communities.

[!\[\]\(17413706fd4997a1a4bdf85c6864eee1_img.jpg\) LEARN MORE](#)

ENERGY SYSTEM MAP

The Energy System Map is built by young people, for young people, with topic page content contributed by youth and reviewed by subject matter experts in our network. The Energy System Map continues to be a valuable resource for foundational energy knowledge, capturing the complexities of energy across multiple stages and levels, from social and cultural influences, to transportation, to end-use.

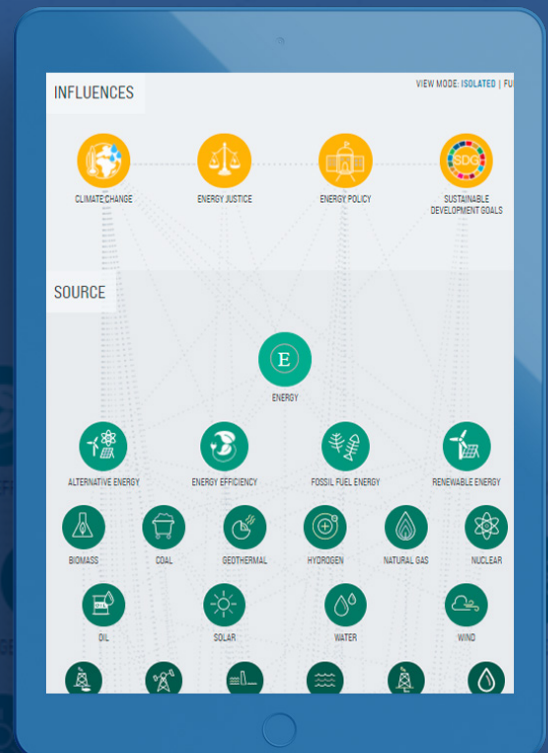


14,248,175 VIEWS

▲ **2,470,901** YOUTUBE VIEWS

▲ **8,021** SUBSCRIBERS

▲ **457,968** MAP VIEWS



STUDENT ENERGY PROGRAMS

With the success and growth of Student Energy Programs in 2021, we have spent a lot of time reflecting deeply on the Programs space and its impact. To create a long-term sustainable model for our programs, we need to shift how we think about them. In the past, we have viewed our programs as individual streams that our network can participate in, build skills, then move on to impact the industry. However, our programs' success and increasing demand have inspired us to prioritize continuous engagement with Student Energy and consider a holistic ecosystem approach. As we evaluated this organic growth of our organization and individual programs in 2021 we were able to identify the skills and resources our network required to continue their journey as energy leaders and begin their careers within the energy space. Based on our evaluation we have designed and built out new programs, housed within our Programs Ecosystem, targeting youth at different stages of their energy careers and allowing for long-term engagement with Student Energy.

In my six years with Student Energy, I have witnessed the organic growth of our programs and the increasing scale and diversity of the projects our network is taking on. This expansion of program offerings has been a natural evolution driven by our network's dedication and desire to participate in multiple Student Energy Programs. Increasing our specified program offerings in 2021 allowed alumni from one program to move into another, growing their skillset and community.

Over the years, I have witnessed alumni's sense of ownership and deep connection to Student Energy programs. With a network of 50,000 youth from around the world, it is evident this connection to our network has inspired alumni to return to run programs as Student Energy staff, co-create new offerings, provide mentorship, and continue expanding their capacity as change agents. This sense of community ownership results in hands-on programming centring empowerment, human connection and peer-to-peer knowledge sharing - making Student Energy's Program's Ecosystem truly unique.



We are closing out 2021 with deep gratitude for our network, and a buzz of excitement over what's to come next. Despite the adversity this year brought, our network continued to show up and create an incredible impact in accelerating the world to a sustainable and equitable energy future. With new programs being added to the ecosystem in 2022, we can't wait to see what more we can accomplish together.

OLIVIA RESHETYLO
Senior Director of Programs

▶ THE SOLUTIONS MOVEMENT

At the High Level Dialogue on Energy in June and at New York Climate Week in September 2021, we announced our new EnergyCompact: Launching the Solutions Movement! Our youth-led EnergyCompact aims to raise \$150 million by 2030 to directly support the launch of 10,000 youth-led clean energy projects, in order to achieve SDG7.

[🔗 LEARN MORE AT STUDENTENERGY.ORG/SOLUTIONSMOVEMENT](https://studentenergy.org/solutionsmovement)

We are excited to welcome New Energy Nexus and the Danish International Development Agency (DANIDA; Ministry of Foreign Affairs of Denmark) as our first partners. We look forward to laying the groundwork for exciting upcoming international collaboration.



Danny Kennedy, New Energy Nexus (right) and Sam Steyer (left), first U.S Donor to the Solutions Movement

What is an Energy Compact?

Energy Compacts bring together voluntary action to achieve affordable and clean energy for all (SDG7) by 2030. This initiative is led by the UN High-level Dialogue on Energy 2021 and supported by UN Energy.

\$1.3 Million
raised to date





“

Tackling climate change is the biggest challenge of our time and it will not be easy, but seeing the motivation, innovation, creativity, and drive that young people around the world today are showing gives me hope that we will achieve our goals.

*Asser Berling, Head of Department,
Centre for Global Climate Action at the
Ministry of Climate, Energy and Utilities,
Denmark*



“

Every stakeholder has a key role to play as we aim to meet the SDG7 and Paris Agreement targets, including youth, and I am pleased to see the leadership being demonstrated by Student Energy with this Energy Compact commitment. This shows that beyond bringing their voices to the table, young people can design and fund the innovations required to achieve our energy and climate goals.

*Damilola Ogunbiyi, CEO and Special
Representative of the UN Secretary
General, Sustainable Energy for All*



“

I warmly welcome the launch of the Student Energy Compact. It is a strong symbol of the profound shifts taking place in the development sphere where young people are no longer waiting for others to act.

Achim Steiner, UNDP Administrator





GLOBAL YOUTH ENERGY OUTLOOK



The Global Youth Energy Outlook (GYEO) is the first report of its kind outlining what young people around the world want to see for the future of energy in their region and how they want to work to change the energy system. The GYEO is an entirely youth-led research project, led by Student Energy, a team of 12 Regional Coordinators, and hundreds of volunteer country ambassadors representing key regions around the world. The GYEO engaged over 42,000 young people between 18 and 30 years old to develop unique roadmaps to 2030 for ten global regions, each with its own distinct challenges and opportunities for transforming its energy system. Regional road maps represent the perspectives of diverse young people across each region, gathered through a consultative research process by the Regional Coordinators.

On November 4, 2021 at COP26 in Glasgow, Student Energy released initial insights from the Global Youth Energy Outlook. Our launch event included an intergenerational programme where Regional Coordinators showcased key findings and regional insights from their research, as well as pathways for decision-makers to work collaboratively with youth on setting the agenda for achieving SDG7.



41,652

Responses

132

Countries

34

Regional Dialogues

[VISIT THE GYEO WEBSITE](#)

[WATCH THE LAUNCH EVENT](#)



► INTERSECTIONAL EQUITY TASK FORCE

The purpose of the Intersectional Equity Task Force is to evaluate Student Energy's external and internal policies and practices, and build permanent accountability mechanisms within the organization's Board, staff, and volunteers. The task force will also develop strategies for explicitly incorporating anti-racist principles and advocacy into the work we do. The Intersectional Equity Task Force is made up of 12 members: 2 from Student Energy's Board of Directors, 4 staff members, and 6 current or former Student Energy program participants from around the world. The initial term of the Task Force was from August 2020 to 2021.

SE GLOBAL NETWORK



MARK CHEUNG
China



DANIELLE NICOLARDI
Canada



SHRADHA PANDEY
India



**MAURICIO MANUEL
CANTO ROMERO**
Mexico



JEREMIAH THORONKA
Sierra Leone



RHYTHIMA SHINDE
Switzerland

STAFF MEMBERS



SHAKTI RAMKUMAR
*Director of Communications
& Policy*



HELEN WATTS
*Senior Director of
Global Partnerships*



GRACE YOUNG
Global Community Coordinator



SEAN COLLINS
Director of Applied Learning



TIMOTHY HENSMAN
Director of Finance

Facilitators:

Apefa Adjivon, Student Energy Innovation Lead (*until Apr 2021*)

Meredith Adler, Executive Director of Student Energy

Tai Jacob, Alumni Network Coordinator (*until Feb 2021*)

Kali Taylor, Board Chair and Co-Founder of Student Energy

▶ CONNECTING WITH OUR COMMUNITY

Our social media community plays a pivotal role in achieving our objectives and goals. In the past year, we have invested in growing and expanding our community through active engagement and publication of interactive content with our audiences, inter-organizational collaboration and ensuring direct communication and accessibility to programs and resources via our various platforms.

10,315 LINKEDIN FOLLOWERS

▲ 75% from 2020

7,027 TWITTER FOLLOWERS

▲ 17.5% from 2020

4,509 INSTAGRAM FOLLOWERS

▲ 39% from 2020

30,134 FACEBOOK FOLLOWERS

▲ 3.8% from 2020



▶ WHAT WE'VE LEARNED

Beginning in the 2019 Annual Report, we have dedicated a section to documenting some of the most important things we've learned from listening to our global youth network, so that we can integrate these learnings into our work in a meaningful way.

Demystifying clean energy careers and project development

We hear repeatedly from our global youth network that even for young people who are actively pursuing a clean energy career, the pathway to actually finding meaningful work, to becoming an entrepreneur, or intrapreneur, is not straightforward. Unlike other sectors, the clean energy sector often lacks robust recruitment and training programs, or requires credentials that are expensive and difficult to obtain. Through our programs, we aim to demystify this process in several ways:

- By demonstrating the diversity and breadth of careers that are available in clean energy, and the technical skills needed to thrive in these careers, through the Careers Training program
- By open-sourcing clean energy project development knowledge and templates through Student Energy Ventures
- By teaching energy system fundamentals and

project management skills through the Student Energy Fellowship

- By fostering a supportive community of peers and mentors through Student Energy Chapters, and actively sharing opportunities through our social media platforms

Globally accessible programming

As we expand our program offerings, we aim to make the opportunities in the energy transition accessible to all young people. Some steps we have taken to design globally accessible programs include making them cost-free for youth to access, making virtual learning modules mobile and offline-friendly, and offering completion certificates for programs. Another important recommendation we will be exploring is to offer our programs in multiple languages, particularly in Spanish and French as those are the most commonly spoken languages in our network after English. One way we have improved language accessibility is by bringing on program coordinators who can check in with global youth teams in their preferred language. In 2022, we aim to translate some core outreach materials, and build in localization costs into program delivery plans.

January

- Second annual Student Energy Fellowship began

March

- Partnership with Canadian Institute for Climate Choices (CICC) - Canada's Net-Zero Future

May

- 12th Clean Energy Ministerial/16th Mission Innovation Forum

February

- WSP Youth Advisory Committee launched

April

- New global Board of Directors members are announced

June

- Solutions Movement launch at the UN High-Level Dialogue on Energy Ministerial Preparatory Meetings



Building virtual community

As with many organizations, many of Student Energy's in-person engagements are limited by travel and gathering restrictions due to the COVID-19 pandemic. Despite these limitations, we aim to foster supportive and fun global communities for young people participating in our programs and for alumni. Through social engagement platforms like Wondr and Discord, virtual events like monthly Global Chapter Calls and webinars, and team-based programs, we hope to form global connections between program participants. In 2022, we will be trialing the use of several new online platforms and new team-building methods throughout our programs, while listening to participant feedback.

July

- Canada Global Youth Regional
- Launch Student Energy Solutions Movement

September

- New York Climate Week
- Energy Action Day
- High Level Dialogue on Energy: Collaboration with SDG7 Youth Committee and UNIDO

November

- COP26 & Launching the Global Youth Energy Outlook
- Registration Opens for SevenGen 2022
- Women Leading on Climate Launch at COP 26 with Catherine McKenna
- ImaGENation Orientation

August

- ImaGENation Indigenous Youth Mentorship Program launched

October

- Energize Virtual International Student Energy Summit
- Greenpreneurs 2021 Cohort Ends
- SE Canadian Youth Engagement Session
- Student Energy Fellowship Ends
- Global Covenant of Mayors Policy Innovation Team launch at Innovate4Cities

December

- Applications Open for Student Energy Careers Training
- Strategic Planning for 2022
- Student Energy team celebrated the holidays!

► REFLECTING ON 2021

At the end of 2020, after a challenging but rewarding year in which we learned to navigate the global pandemic and all its impacts, we set an organizational objective to **accelerate global action**. As we grow rapidly as a team and as a youth network, we wanted to ensure that we were continually advocating for young people and were internationalizing our own operations and project impacts, in line with Student Energy's global approach to transforming the energy system.



We outlined a few concrete activities we planned to undertake in 2021 to reach this objective — let's take a look at how we did:

1. Piloting an ambitious Direct-to-Youth Funding Strategy: In June of 2021, we formally launched the Student Energy Solutions Movement, our newest initiative and one of the few youth-led UN Energy Compacts, which aims to raise \$150 million dollars by 2030 to launch 10,000 youth-led energy projects around the world.

2. Diversifying our Board of Directors: As a key part of our goal to internationalize our operations, we felt it was important to include young people from around the world to participate in governing Student Energy's future direction. In April of 2021, we welcomed nine new members to our Board, many of whom are Student Energy alumni.

3. Launching the Global Youth Energy Outlook at COP26: In November of 2021, in Glasgow, Scotland, we launched the initial findings from the Global Youth Energy Outlook at an official Green Zone side event of the UN Climate Change Conference. The event featured four of our twelve incredible Regional Coordinators who led the development of the report, as well as an intergenerational dialogue with Minister Jonathan Wilkinson (Canada's Minister of Natural Resources) and Jorn Verbeeck (Head of Research & Innovation at the Global Covenant of Mayors).



4. Expanding Student Energy's program offerings:

Although we had planned to launch the Student Energy Careers Training program in 2021, we realized that additional time and capacity was required to build the foundation of the program to ensure that it fully meets the needs of young people who are seeking energy careers. In 2021, we invested time in the development of the educational curriculum, in forming partnerships and mentor networks, and led the recruitment for the first cohort of the program, launching in January of 2022.



5. Increasing capacity for our existing programs: In 2021, we doubled the number of teams we took on for the Student Energy Fellowship (formerly named the Leaders Fellowship) from 45 teams to 90 teams. We also brought on a new Chapters Coordinator to provide additional support to our global chapters, and successfully completed the fourth cohort of the Greenpreneurs virtual startup incubator program.

6. Introducing the Indigenous Youth Mentorship Program: Following the postponement of the second SevenGen Indigenous Youth Energy Summit due to COVID-19, the SevenGen Council, supported by Student Energy and Indigenous Clean Energy, developed the Indigenous Youth Mentorship Program. In 2021, the program was launched and the first cohort of young people was selected. The cohort will participate in a 2-phase program and receive \$10,000 for their community projects.

7. Developing Student Energy's policy position: In addition to running capacity-building programs for young people, we also advocated for the role of youth on a global stage, at conferences and in the media. In 2021, we were featured in various media outlets, including the New York Times, the National Observer, Global News, CBC, the UNDP blog, and Global Citizen.



► FOCUS FOR 2022

STRENGTHENING OUR ROOTS & CREATING TANGIBLE IMPACT

As we begin to grow our program offerings and the size of our own team, the complexity of our work is increasing. At the same time, the global energy transition and global action on climate change are still progressing far too slowly, with many decision-making institutions offering insufficient commitments and half-measure solutions. As a youth-led organization, we want to ensure that we are intentional and focused in our next steps, so that we can stay focused on achieving systems change while being accountable to our global youth network.

To set Student Energy up for a sustainable and impactful future, we are focusing on strengthening our roots and creating tangible impact in 2022. Here are some of our concrete activities in 2022 to reach these objectives:

1. **Launching Student Energy Ventures**, to begin delivering on our Solutions Movement campaign goal to launch 10,000 youth-led clean energy projects by 2030. In 2022, we aim to pilot an initial series of tangible, on-the-ground clean energy projects in Canada in the first half of 2022, and launch international projects in late 2022 and early 2023.

2. **Implement greater equity measures across our programs and operations**. With the completion of the first term, our Intersectional Equity Taskforce has developed a series of specific recommendations for Student Energy, which we will implement throughout 2022.

3. **Launching the first two cohorts of the Student Energy Careers Training program**, with the first beginning in January and the second in September, each of whom will participate in a 4-month intensive program.

4. **Advocating for transformative change on key climate and energy issues** through our policy portfolio, strategic communications, and Space for Youth programs, through written publications and at speaking engagements.

5. **Continuing to support the next phase of the ImaGENation Indigenous Youth Mentorship Program** led by SevenGen, in partnership with Indigenous Clean Energy, and supporting the second SevenGen Indigenous Youth Energy Summit which is scheduled to take place in late 2022.

6. **Developing an impact framework** to make robust organizational impact data easy to access and up to date, for transparency with our youth network and accountability to our own goals.

7. **Increasing the stability of our organization** by standardizing internal systems, to enable successful, reliable delivery of our programs globally, to support the well-being of our youth-led staff team now that we are a remote-first organization, and to create a supportive environment for future international team members.



STUDENT ENERGY TEAM

BOARD OF DIRECTORS

In April, we announced 6 new members of our 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. Recruiting from our global alumni network, we finally inducted new board members outside of Alberta and Canada as a registered charity.

Kali Taylor, Board Chair & Co-Founder
Janice Tran, Co-Founder
Julia-Maria Becker, Director
Dan Fipke, Director

Mrinalini Shinde (Germany), Vice-Chair
Andrea Balcázar González (Mexico), Director
Ashley Pilipiszyn (USA), Director
Brian Galabuzi Kakembo (Uganda), Director
Shayan Najib (UAE), Director
Santiago Espinosa de los Monteros (Mexico), Secretary

GLOBAL HQ

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Cherise Gilfix
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2021 & SUMMER STAFF

Sam Anderson, Content Creation Assistant
Apefa Adjivon, Innovation Lead
Jackie Bastianon, Digital Engagement Coordinator
Samsun Chun, Energy Content Creation Assistant
Tai Jacob, Program Development & Equity Coordinator
Lexi Kinman, Partnerships Assistant
Alexandra Kinman, Partnerships & Resourcing Coordinator
Desiree Louis, ImaGENation Coordinator & Research Intern
Antonia Macris, eLearning Specialist
Yalda Mehran, Communications Coordinator
Sam Moorsom, Digital Content Creator
Kabir Nadkarni, Ventures Research Coordinator
Soham Punjabi, Energy Education Project Coordinator
Maheep Sandu, Leaders Fellowship Coordinator
Adrianna Sgabellone, Executive Assistant
Chloe Sterrett, Data & Systems Coordinator
Connor Thompson, Global Youth Energy Outlook Manager
Fiona Wu, Data & Administrative Assistant

SEVENGEN COUNCIL

Jordyn Burnouf, Co-Chair
Nathan Kaye, Co-Chair
Mihskakwan James Harper, Vice-Chair Sponsorship
Danielle Kehler, Vice-Chair Delegate Relations
Jukipa Kotierk, Vice-Chair Delegate Relations
Serena Mendizabal, Vice-Chair Logistics & Events
Shana Southwind, Vice-Chair Marketing
Sydney Kuppenbender, Vice-Chair Program



► SPEAKING ENGAGEMENTS AND HIGHLIGHTS

EVENTS ATTENDED

| | |
|--------------------------------|--|
| 3 Jun 2021 | Mission Innovation Ministerial Side Event: “Back to the Future Innovators” (Meredith) |
| 28 Jun 2021 | Climate Innovation Forum (Helen) |
| 20 Sept 2021 - 26 Sept 2021 | New York Climate Week (Meredith, Helen, Sean) |
| 24 Sept 2021 | High Level Dialogue on Energy |
| 31 Oct 2021 - 12 Nov 2021 | UN Climate Change Conference (COP26) in Glasgow, Scotland, UK (Shakti, Meredith, Helen, Marcus, Abdullah, Dabira, Lindsay, Jade) |

SELECT SPEAKING ENGAGEMENTS

| | |
|--------------|--|
| 13 Jan 2021 | UN High Level Dialogue on Energy (Helen) |
| 13 Jan 2021 | New York Times Netting Zero - Making 2021 the Year We Break Fossil Fuel Addiction (Meredith) |
| 25 Mar 2021 | Women4ClimateAction - The Green She-covery (Meredith) |
| 29 Mar 2021 | Canada’s Net-Zero Futures (Meredith, Abdullah) |
| 8 Jun 2021 | IRENA Youth Talk - Energy Transition Heroes (Helen, Abdullah, Lexi) |
| 25 Jun 2021 | High Level Dialogue on Energy - Ministerial Segments on Finance/Investment (Meredith, Dabira, Kabir) |
| 26 Jul 2021 | NDC Forum: Student Energy - Working with Governments and Stakeholders (Helen) |
| 24 Aug 2021 | SEforAll & Google - Energy Compacts Workshop Future (Helen) |
| 11 Sept 2021 | UNFCCC Innovating to Net Zero Event (Dabira) |
| 4 Nov 2021 | COP26: #WeAreDoingThis (Marcus, Lindsay) |
| 6 Dec 2021 | UNDP: Student Energy Solutions Movement Presentation (Meredith, Helen, Sean) |



STUDENT ENERGY IN THE MEDIA

| | |
|-------------|--|
| 7 Apr 2021 | Forbes - Forbes 30 under 30 Europe, featuring Helen Watts. |
| 29 Sep 2021 | Commonwealth Innovation “Secretary-General’s Innovation for Sustainable Development Awards 2021” featuring Juliet Namujju. |
| 1 Oct 2021 | CBC - “Student Energy signs joint venture, aims to raise millions for youth-led clean energy projects” featuring Sean Collins. |
| 30 Oct 2021 | CBC - “Youth are ‘wired’ to push for change, researcher says about why they’re climate choice influencers” featuring Shakti Ramkumar. |
| 2 Nov 2021 | Global News - “Young climate activists fight to have their voices heard” featuring Shakti Ramkumar. |
| 2 Nov 2021 | Columbia Climate School - “Columbia Climate School’s Delegation at COP26” featuring Eduardo Zoghbi. |
| 3 Nov 2021 | The Globe and Mail - “Non-profit group to put spotlight on Indigenous clean energy voices at COP26 summit” featuring Mihskakwan James Harper. |
| 4 Nov 2021 | National Observer - “Listen up, politicians: Global survey spells out what climate moves matter to youth” featuring Helen Watts and Linette Knudsen. |
| 6 Nov 2021 | CBC - “CBC Radio’s The House: Good COP, bad COP” featuring Meredith Adler. |
| 12 Nov 2021 | UNDP - “Four ways young people can lead the energy revolution” featuring Student Energy. |
| 15 Nov 2021 | The New York Times - “In the Fight Against Climate Change, Young Voices Speak Out” featuring Meredith Adler. |
| 16 Nov 2021 | Global Citizen - “Students Aren’t Just Protesting for Climate Action — They’re Changing How We Get Energy” featuring Meredith Adler and Brian Kakembo. |
| 29 Nov 2021 | CBC - “Youth call for ‘bold and immediate action’ ahead of UN climate change meeting” featuring Shakti Ramkumar. |
| 7 Dec 2021 | World Economic Forum - featured Jeremiah Thoronka, winner Chegg.org Global Student Prize. |



PARTNERS

43

Partners

19

Strategic Partners

25

Funding Partners

FUNDING PARTNERS



SUNCOR
ENERGY
FOUNDATION



North Family
FOUNDATION



ECO CANADA
Environmental Careers Organization



CALGARY
FOUNDATION
FOR COMMUNITY, FOREVER



Natural Resources
Canada

Ressources naturelles
Canada

Canada



Canadian
Heritage

Patrimoine
canadien

Canada



Prairies Economic
Development Canada

Développement économique
Canada pour les Prairies

Canada



GGGI

Bloomberg



Melbourne Centre
for Cities



CRIN
Clean Resource
Innovation Network



HSBC



GLOBAL COVENANT
of MAYORS for
CLIMATE & ENERGY



MINISTRY OF FOREIGN AFFAIRS
OF DENMARK
Invest in Denmark



XPRIZE
CARBON
REMOVAL

ELON MUSK

Prescription for Change
Youth Empowerment Fund

STRATEGIC AND COLLABORATIVE PARTNERS



GLOBAL YOUTH ENERGY OUTLOOK PARTNERS



SOLUTIONS MOVEMENT PARTNERS



PERMANENT MISSION
OF DENMARK TO THE UN

