

ISIE Annual General Meeting, 25 April 2024

9AM Eastern/New York, 2PM London, 3PM Berlin, 9PM Beijing, 10PM Tokyo, 11PM Sydney

MINUTES

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| MEETING CALLED BY | Simron Singh, Secretary, ISIE |
| NOTE TAKER | Irena Dukić, Admin. and Outreach Manager, ISIE |
| REGRETS FROM BOARD MEMBERS | |
| BOARD MEMBERS ATTENDEES | Ming Xu (MX), Arnold Tukker (AT), Stefanie Hellweg (SH), Simron Singh (SS), Kuishuang Feng (KF), Matthew Eckelman (ME), Eugene Mohareb (EM), Cristina Madrid Lopez (CM), Hiroki Tanikawa (HT), Shoshanna Saxe (SSx), Jonathan Cullen (JC), Tamar Makov (TM), Junming Zhu (JZ), Irena Dukić (ID), Edward Gordon (EG). |
| PREAMBLE | The 2024 General Assembly of the ISIE took place electronically via Zoom. The meeting and associated chat discussions were recorded, and 51 attendees were present. Proposals from members had been invited in advance, and four were presented to the ISIE membership. An electronic voting system was set up on the ISIE website to enable both attending and non-attending members to vote between 25 April and 3 May 2024. Only the votes cast during this period were counted, including votes in favor, against, and abstentions. |

AGENDA TOPICS

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| 1. | WELCOME AND ACCEPTANCE OF PREVIOUS AGM MINUTES | SS |
| <p>Simron Singh welcomed everybody and thanked for joining despite the late hour for some. He showed the Agenda overview.</p> <p>A motion to accept the minutes from the previous AGM was made by Simron Singh. The motion was seconded by Kuishuang Feng.</p> <p>Results of the vote: I accept the 2023 AGM minutes. https://is4ie.org/survey/100 YES: 38 NO: 0 ABSTAIN: 0</p> | | |
| 2. | WELCOME FROM THE PRESIDENT | MX |
| <p>Ming Xu welcomed everyone to the meeting and thanked Simron Singh for organizing it, as well as those who stayed late to attend. He congratulated the newly elected Board members and expressed his gratitude to all for their continued service.</p> | | |

3.

PAST YEAR REPORTING

PRESIDENT'S REPORT – Ming Xu

Ming Xu presented a summary based on the President's Report included in the 2023 Annual Report. He reflected on ISIE's growth in 2023, highlighting the success of the 11th International Conference on Industrial Ecology in Leiden, which attracted over 850 participants from 40+ countries. This event marked our first major gathering since the pandemic. ISIE's membership reached a record high of 1,100, with 990 active members spanning 50+ countries, particularly growing in Europe. The new "Sustainable Circular Economy" section attracted 363 members, contributing to a total of 2,854 members across all sections. In 2023, ISIE focused on securing funding for key initiatives, including supporting student participation at the 2025 conference and developing a summer school. Prof. Ester van der Voet was awarded the Society Prize, and Prof. Christoph Helbig received the Laudise Medal. A new Education Committee was established to enhance industrial ecology education, particularly in developing countries. The Journal of Industrial Ecology continued to thrive with significant publications and special issues. Sadly, we lost Bob Ayres in 2023, and an online forum was created for members to share their memories. A session at the 2024 Gordon Research Conference will also honour him. Looking ahead to the 2025 conference in Singapore, ISIE remains committed to diversity, inclusivity, and fostering the next generation of industrial ecologists.

MEMBERSHIP REPORT – Simron Singh

As of today, ISIE has 1,031 members. Simron Singh compared membership over the last three years, noting a significant increase, particularly in Europe, largely due to the Leiden conference. China continues to have the highest number of members in Asia, which ranks second in representation, following Europe. Members are actively engaged in various sections.

TREASURER REPORT – Matthew Eckelman (joined later).

Arnold Tukker provided a brief update, noting that ISIE currently does not have a bank account and is using Wise for transactions. Establishing a bank account remains a priority, but the process has been challenging due to strict regulations. On a positive note, ISIE has the ISIE Foundation, which enables tax-deductible donations, and the Foundation has successfully established a bank account. Simron Singh added that the Treasurer's full report is available online.

Matthew Eckelman joined later, and Simron Singh invited him to discuss the budget. Matthew reported that the financial situation is excellent, and ISIE looks forward to supporting a range of exciting activities, including project proposals, student scholarships, and conference events. Overall, the financial outlook is very positive.

Q&A:

Shiva Zargar asked about the budget for website improvements and whether enhancements were planned now that funding is available.

Matthew responded that ISIE has a budget allocated for website maintenance and welcomed suggestions for improvements.

Highlights from our 2023 Annual Report of activities (only those who offered to present short oral reports)

DEVELOPMENT BOARD - Tom Graedel

Tom Graedel presented the activities of the ISIE Development Board. Over the past year, seven initiatives were undertaken, briefly identified by title as follows:

1. Conference Support for Students & Junior Faculty
Objective: Provide financial aid for 50 students and junior faculty, particularly from developing countries, to attend ISIE 2025 in Singapore.
2. Industrial Ecology Textbooks for Developing Countries
Objective: Supply textbooks to students and faculty where funding is limited, expanding ISIE's educational reach.
3. Pre-College Industrial Ecology Program

Objective: Fund two graduate students to develop and coordinate pre-college and community programs.

4. Sustainability Literacy & Research Platform

Objective: Develop an online platform (“Wikipedia of Industrial Ecology”) to share research and sustainability methods.

5. Industrial Ecology Methods Crash Course

Objective: Develop an online crash course on industrial ecology methods (LCA, MFA, TEA) for institutions and industries.

6. ISIE Director of Development Position

Objective: Fund a full-time staff position to lead fundraising and outreach efforts.

7. Industrial Ecology Summer School

Objective: Develop a two-week summer school for graduate students and faculty, featuring leading experts in the field.

The Development Board challenges all ISIE members to support these initiatives by helping raise funds for these activities. Tom Graedel has generously offered a matching donation of up to €10,000, valid until the end of this calendar year.

Q&A:

Reid Lifset asked about whether the focus on securing funding is primarily internal, within the Society, rather than looking externally.

Tom Graedel responded that they do have ideas for securing funding from external sources, including organizations that may be interested in contributing to ISIE. This is part of their overall strategy.

Simron Singh expressed gratitude for the matching offer.

FINANCE COMMITTEE – Tim Baynes

Tim Baynes informed the members that he is one half of the Finance Committee, alongside Jiashou Li.

Together, they review the Society's finances and provide suggestions on financial matters. This is the first year ISIE has used professional accounting software, which has streamlined the process.

The Society's finances are in strong shape, with a positive net income. The Finance Committee monitors activities closely and, if there are no activities that require funding or member proposals, they follow up with the treasurer for clarification. The Society also maintains cash reserves, ensuring financial stability. These are the key areas the Finance Committee focuses on.

Q&A: None.

CONFERENCE COMMITTEE and LEIDEN CONFERENCE – Tomer Fishman

Tomer Fishman provided two reports:

CONFERENCE COMMITTEE Report

The first report focused on the Conference Committee, co-chaired with Anna Petit-Boix. In 2023, the committee's last year of operation, the goal was to make the conference process more systemic. However, due to the COVID-19 pandemic, the committee had to adapt. Ultimately, they provided guidelines for the ISIE biennial conference, detailing the responsibilities of the local host and ISIE, as well as a checklist for submitting proposals to host the conference. Additionally, the committee developed guidelines for organizing hybrid and online conferences during the pandemic. The IE Day was successfully organized as part of this effort.

LEIDEN CONFERENCE Report

The second report was an update on the Leiden conference, which took place in July last year. It was a very successful event with over 850 participants, 99 oral sessions, over 800 presentations, and 350 poster sessions. A survey was conducted at the end of the conference, and the results, along with photos and videos, were submitted to ISIE.

Q&A: None.

Socio-economic Metabolism Section (SEM) - Stefan Pauliuk

Stefan Pauliuk provided a quick update on the section, which now has over 400 members. The SEM conference will be held in Beijing in August, with the abstract submission deadline approaching soon. A link to the conference will be shared for forwarding.

Three major activities are planned:

A perpetual online meeting, typically lasting 90 minutes, to complement the existing IE Day—serving as a great platform;

A document for transparency on how to properly document research, especially after a few years;

A revamp of the section's online presence, with the creation of a landing page for the metabolic area.

The goal is to create a central portal for all relevant sources, showcasing what is available to the community.

Q&A: None.

AWARDS COMMITTEE - Stefanie Hellweg

Stefanie Hellweg provided a brief summary of the Awards Committee's activities and thanked the committee co-members: Ming Xu, Andrea Hicks, Shinichiro Nakamura, and Yuan Yao.

This year, the committee held two nomination rounds. The Society Prize received strong nominations. The Society prize was awarded to Ester van der Voet. However, in the first round, there were few nominations for the Laudise Medal. To address this, the committee improved the published criteria for nominees and reopened the call. In the second round, a highly qualified nominee was selected, and the Laudise Medal was awarded to Christoph Helbig.

Both award recipients held online colloquia, continuing the tradition of sharing their work with the community. The colloquium is available on ISIE's YouTube channel.

Q&A: None.

STUDENT SECTION - Chair, Koichi Kanaoka

Koichi Kanaoka presented the progress of the Student Chapter and introduced the Student Chapter Board for 2021–2025, thanking all members who served from 2021 to 2023.

As of January 2024, the Student Chapter had 437 members, reflecting a 24% increase from January 2023. Following the Leiden Conference, the Student Section organized the 8th Symposium on Industrial Ecology for Young Professionals, which saw a record-high participation of 187 attendees. Thanks to generous funding from ISIE and the U.S. National Science Foundation, they were able to financially support 47 students and early-career researchers attending the symposium and ISIE conference.

Additional activities included Industry Webinars and virtual networking events. In 2024, the Student Chapter will place renewed emphasis on knowledge dissemination, outreach, and engagement, with upcoming webinars and virtual networking events planned for April and October.

CAREER COMMITTEE – Co-chair, Qingshi Tu

On behalf of co-chairs Joana Bastos, Aguilar Hernandez, Liz Wachs, and former co-chair Reed Miller, Qingshi Tu presented the Career Committee's activities in 2023. The committee held ISIE Career Committee meetings focusing on mentorship, professional development, and job opportunities. Some key activities completed during the year included updating the user interface on the ISIE Jobs Board and Jobs Candidates page, conducting a survey to identify members' topics of interest, and organizing a mentoring event at the ISIE 2023 conference.

Looking ahead, several key topics were identified for further development, including improving job seeker-job matching, addressing immigration issues, enhancing salary transparency, increasing job postings on the ISIE job site, introducing keywords to highlight job seekers' expertise, and organizing a virtual job fair. The committee also emphasized the importance of mentorship and professional development by supporting students and early-career professionals in career planning, raising awareness of Industrial Ecology among industry, and fostering soft skills development.

For 2024, the committee has merged the Mentorship & Professional Development and Jobs Subcommittees into a single ISIE Career Committee. It is working on compiling open-access career resources categorized by themes and preparing online paired mentoring sessions. Additionally, an idea was introduced to establish a more flexible platform for sharing information among members, such as ISIE RedditChat.

Q&A:

Shoshana Saxe raised the question of how to encourage people to use the job postings and apply for positions. Qingshi Tu suggested creating a guideline or template to make job postings more accessible and engaging.

Simron Singh invited all members to share any suggestions they may have for the Career Committee.

NOMINATING COMMITTEE – Xiao Li

Xiao Li presented the activities of the Nominating Committee, highlighting the efforts made to enhance the transparency and fairness of the election procedures. The committee reviewed the ISIE bylaws and housekeeping rules, clarified term limits for board members, and ensured that outgoing members were well informed about these updates. Additionally, the candidate selection process was refined, with a strong focus on diversity and member engagement.

The committee conducted the voting process in accordance with the ISIE bylaws and housekeeping rules, ensuring transparency and fairness. Communication with nominees was prioritized, keeping them informed about the final candidate list.

On behalf of the Nominating Committee, Xiao Li congratulated the newly elected officials and extended gratitude to all nominees who stood for election, recognizing their vision and dedication. Appreciation was also expressed to all ISIE members who participated in the voting process.

The new elected Board members are: Tamar Makov and Junming Zhu, and for the Nominating Committee two new elected members are Sina Leopold and Peter Berill. Congratulations!

Short reports were presented directly by Section leads or members:

SUSTAINBLE URBAN SYSTEM – Kangkang Tong and Joe Bozeman

Joe Bozeman and Kangkang Tong presented the 2023 report for the Sustainable Urban System (SUS) Section. Joe provided an update on membership, which increased by approximately 34 members, bringing the total to around 394, up from 360 last year.

Kangkang highlighted the section's activities in 2023, including a section meeting at the ISIE conference in Leiden, paper presentations, a social outing, and an early-career researcher poster competition, which awarded a prize for the best poster. The section also worked on ISIE introductory videos, with two currently in the final editing stage on the topics of "Social Equity and Justice" and "Urban Infrastructure Dependencies." Additionally, they collected raw material for future projects on "Digital Twins of Cities." A major milestone for the section was the 1st SUS Section Conference, held in Xiamen from December 14–17, 2023.

Joe then introduced the newly elected board and outlined the section's plans for 2024. These include organizing special sessions at conferences, hosting social hours at events, and conducting online seminars. The section also aims to develop a peer mentorship program, continue paper and poster award initiatives, propose a special issue for a journal, and collaborate with the general body and board to explore new ideas.

INDUSTRIAL SYMBIOSIS - Graham Aid

Graham Aid presented the activities of the Industrial Symbiosis Section, emphasizing its mission to foster networking, knowledge sharing, and collaboration on innovative developments in eco-industrial parks and industrial symbiosis. A key event in 2023 was the Industrial Symbiosis Research Symposium, held before the main ISIE conference in Leiden. Around 30 participants attended, sharing updates on various symbiosis programs, initiatives, and developments from different regions worldwide. Special talks were also given on the Dutch context and developments within Dutch industrial parks. During the ISIE conference, the section also hosted a section meeting, inviting both existing and new members to discuss the section's mission and set

priorities for the upcoming year. Several members expressed interest in forming a policy working group focused on industrial symbiosis. There was also strong engagement around topics related to data sharing, data repositories, and the role of emerging technologies, including machine learning and large language models, in advancing industrial symbiosis.

Graham extended an open invitation to anyone interested in joining the section, encouraging greater participation in its future initiatives.

JOURNAL OF INDUSTRIAL ECOLOGY – Gang Liu

Gang Liu briefly presented the JIE report, noting that the journal's impact factor has stabilized. Recent efforts have focused on publishing special issues and expanding social media promotion, which now includes WeChat, LinkedIn, and Facebook. Looking ahead, the journal plans to test out webinars as a new engagement tool this year. Additionally, collaboration with Gara Villalba Méndez is underway to establish the Bob Ayres Prize.

SUSTAINABLE CIRCULAR ECONOMY – Dominik Wiederhoefer

Dominik Wiederhoefer presented the activities of the Sustainable Circular Economy Section, which was founded in 2022 and has already grown to 350 members. The section held its first in-person meeting at the Leiden conference, with a strong turnout and engaging discussions. Some participants expressed concerns that the circular economy could be perceived as a form of greenwashing, but the section aims to take a cross-cutting, interdisciplinary approach to the topic. Key initiatives include writing a paper to be submitted by the end of the year and curating a virtual special issue featuring key research highlights from the last decade. The section has also established a dedicated homepage and is now focusing on the next phase of development.

Future plans include organizing special sessions at various conferences and exploring collaboration with the Perpetual Online Conference hosted by the Metabolism Section, making discussions more accessible to those unable to attend in person.

EDUCATION COMMITTEE - [pre-recorded video](#) - Lynette Cheah

Lynette Cheah, chair of the Education Committee (EC), provided an update on the committee's activities through a pre-recorded video. The EC is newly established this year, with members Ramzy Kahhat, Heather M. Logan, Tamar Makov, Reed Miller, and Stijn Van Ewijk. Its mission is to promote education-related initiatives within the ISIE community, with a focus on expanding industrial ecology (IE) education to more countries, particularly in developing and least developed countries.

Key initiatives include the Textbook Grant Program, which provides free IE textbooks to educators and university libraries, with resources listed on the ISIE website. Future plans involve translating textbooks into other languages, compiling case studies and success stories, creating a repository of recorded seminars, producing short videos and booklets for social media, developing a core IE curriculum, sharing course syllabi, hosting ISIE meetings in developing countries, and facilitating expert-host matchmaking to support teaching in underrepresented regions.

Reed Miller added that the committee is launching a survey to gather ideas from members, particularly those in countries where industrial ecology is not yet well established. Special thanks were extended to Edward Gordon for his support in creating the survey and making this initiative possible. The committee is also seeking additional members from underrepresented regions to ensure a diverse and inclusive approach to expanding IE education globally.

Simron Singh called for a motion to approve the **2023 Annual Report and Forward Budget**, explaining that the links for voting will be available on the ISIE website. Marian Chertow seconded the motion.

RESULTS of the vote: Do you approve the 2023 Annual Report and Forward Budget?

<https://is4ie.org/survey/95>

YES: 70

NO: 1

ABSTAIN: 1

4.

MEMBER PROPOSALS

This year four proposals are being presented for consideration.

1. Member Proposal: MAPPING THE ORIGINS OF INDUSTRIAL ECOLOGY RESEARCH AND PRACTICE

The proposal was presented by **Stefan Pauliuk**.

Stefan Pauliuk emphasized that industrial ecology is now a mature field, with some of its foundational documents dating back over 50 years. His proposal encourages a collective effort to gather seminal documents that capture the early development of the field. The aim is to identify when and under what circumstances industrial ecology thinking and policy began to emerge in different regions across the world. He suggested conducting a survey among the Society's broad membership—now exceeding one thousand members—many of whom possess firsthand knowledge of the field's origins in their areas. The compiled information could then be meaningfully presented, potentially as a dedicated subpage on the ISIE website.

Casted the votes: <https://is4ie.org/survey/98>

RESULTS of the vote: I am in favour of Stefan Pauliuk's Industrial Ecology Project Grant Proposal.

YES: 114

NO: 4

ABSTAIN: 0

2. Member Proposal: PROPOSAL TO CONDUCT A FEASIBILITY, VIABILITY, AND DESIRABILITY ASSESSMENT FOR ESTABLISHING THE AFRICAN SOCIETY OF INDUSTRIAL ECOLOGY ("ASIE")

The proposal was presented by **Nobantu A Mtimde**.

Nobantu A. Mtimde presented the rationale for exploring the establishment of a society or community of practice focused on industrial ecology (IE) within the African continent. The motivation for this proposal lies in the urgent need to decouple economic growth from resource consumption—an issue of increasing relevance, particularly in Africa. She noted that during her recent attendance at the World Circular Economy Forum in Brussels, there was a strong focus on resource requirements and the global transition from fossil fuels to renewable energy. In South Africa, a new policy position on the circular economy is expected to be announced in the coming weeks, highlighting the momentum for integrating circularity at the policy level. However, she emphasized a concern that circular economy initiatives often remain narrowly tied to waste management. Nobantu argued that establishing a dedicated society or community focused in Africa on industrial ecology would help broaden this perspective. Industrial ecology, she noted, offers mechanisms that enable circularity more holistically and can support the development of a robust community of practice that drives systemic change in African economies.

Q&A:

Paul Hoekman emphasized that the proposal deserves more attention and encouraged all members to review the full written version. He highlighted the importance of placing greater focus on Africa within the Society's activities.

Reed Miller asked whether the proposed African Society of Industrial Ecology would be an independent organization or remain part of ISIE.

Nobantu A. Mtimde responded that the proposed entity would not be independent of ISIE. Instead, it would function as a dedicated committee, chapter, or community within ISIE, focused on advancing industrial ecology in the African context and diaspora. It is not intended to be autonomous but will remain fully connected to and engaged with ISIE.

Cristina Madrid Lopez mentioned the upcoming IE Day and stated she would reach out to Nobantu regarding possible involvement.

Marian Chertow highlighted that many students from Africa have graduated from industrial ecology programs and returned to work on the continent. She noted that Ghana was the third most represented country among new admissions this year.

Nobantu A. Mtimde added that it would be useful to understand whether industrial ecology is gaining recognition in Africa, where these graduates are working, and whether they are able to find employment aligned with their studies.

Simron Singh added that the link to the full proposal document would be uploaded to the Member Proposals section, allowing members who were not present to access it.

Casted the votes: <https://is4ie.org/survey/97>

RESULTS of the vote: I am in favour of Nobantu Mtimde's Industrial Ecology Project Grant Proposal.

YES: 85

NO: 18

ABSTAIN: 0

3. Member Proposal: ADVANCING INDUSTRIAL ECOLOGY AND DATA SCIENCE FOR SUSTAINABLE MANUFACTURING IN INDIA: A WORKSHOP

The proposal was presented by **Shweta Singh and Dr. Arun Tangirala**.

Dr. Arun Tangirala introduced the proposal, which lies at the intersection of sustainability, sustainable manufacturing, industrial ecology, and data science. Shweta Singh provided an overview of the key elements. The proposal addresses the growing awareness of sustainability in Indian industry, academia, and government initiatives. India is seeing significant investment in transitioning to lower carbon emissions, energy decarbonization, and a circular economy. However, the presenters highlighted a gap: the absence of a unified framework, guiding principles, and a central professional society that could offer a platform for the exchange of ideas and analytical methods. They emphasized the potential for ISIE to play a transformative role by leveraging its international community and decades of experience. The goal is to bring together researchers in systems science, industrial ecology, and data science in India to form a collaborative community that finds a common platform within ISIE. The proposed workshop would result in the development of a white paper outlining key pathways for advancing sustainable manufacturing in India and the roles of industrial ecology and data science. This paper is expected to facilitate interdisciplinary dialogue and unify efforts across sectors. They also introduced IIT Madras as a key institutional partner. IIT Madras, recognized as India's leading institute, is currently establishing initiatives such as the School of Sustainability and the Wadhvani School of Data Science and AI. The institution's strong partnerships between academia and industry, particularly in core engineering, provide fertile ground for developing sustainability and industrial ecology initiatives. Shweta Singh concluded the presentation by sharing logistical details, including the proposed workshop dates, agenda, and budget.

Q&A:

Cristina Madrid Lopez asked why the workshop is focused only on India, noting that the topic is highly relevant globally and could be valuable for colleagues in other regions as well.

Shweta Singh responded that the focus on India is due in part to the expertise of Dr. Arun Tangirala, who has 25 years of experience in process control, data science, and AI. She emphasized that India, as a large and diverse country, presents a variety of sustainability challenges. The outcomes of the workshop—particularly the white paper—are expected to offer transferable insights applicable to other contexts as well.

Dr. Arun Tangirala added that this experience may serve as a foundation for planning a future workshop at a larger, potentially international, scale.

Shiva Zargar asked whether the participants of the proposed workshop would be ISIE members.

Shweta Singh replied that increasing ISIE membership in India is indeed one of the goals. She noted that India currently has relatively low ISIE membership, and the workshop is an opportunity to showcase the value of being part of the ISIE community. The aim is to attract participants by demonstrating the benefits of ISIE, allowing them to decide whether to join.

Shiva Zargar further inquired whether the workshop materials—such as presentations and hands-on activities—would be shared with the broader ISIE community.

Shweta Singh confirmed this and noted that she had already discussed the idea with Stefan. As an active member of the SEM (Socio-Economic Metabolism) section, she hopes to coordinate with them to potentially livestream the workshop or share recorded content. She emphasized that IIT Madras has the technical capacity to support such dissemination.

Casted the votes: <https://is4ie.org/survey/99>

RESULTS of the vote: I am in favour of Shweta Singh's Industrial Ecology Project Grant Proposal.

YES: 72

NO: 13

ABSTAIN: 0

4. Member Proposal: METABOLISM OF ISLANDS PANEL DISCUSSION AT GRENADA'S SUSTAINABLE DESIGN IMPACT HUB

The proposal was presented by **Shannon Henry**.

Shannon proposed that ISIE members attend the Sustainable Design Impact Hub event in Grenada, scheduled for August 15–18, 2024. The event's primary goal is to build a bridge between Grenadine small businesses and the global economy, helping to transition the Caribbean region towards more sustainable practices. She provided an overview of the Sustainable Design Impact Hub, which aims to foster dialogues on climate solutions, with a specific emphasis on small business owners and the circular economy. The event seeks to raise awareness of the vulnerabilities of Small Island Developing States (SIDS) to climate change and to facilitate tangible outcomes and partnerships. Shannon also outlined the agenda, which includes discussions on Grenada's vulnerabilities, such as: The predicted disappearance of the main beach by 2050, which would significantly impact the tourism industry; The need for resilient, affordable housing designs to combat rising sea levels. The issue of imports: Grenada relies heavily on imported food, clothing, and other lifestyle products, creating a material flow problem.

The benefits to ISIE include sharing data, facilitating dialogue among researchers, practitioners, and those affected by climate change, building community engagement, encouraging local participation, inspiring youth, and sharing knowledge to advance industrial ecology practices within the Caribbean community. The event also has an interdisciplinary scope, covering topics like the metabolism of islands, circular economy, and symbiosis.

Casted the votes: <https://is4ie.org/survey/96>

RESULTS of the vote: I am in favour of Shannon Henry's Industrial Ecology Project Grant Proposal.

YES: 52

NO: 23

ABSTAIN: 0

Q&A: None.

5. UPDATE OF LAST YEAR'S MEMBER PROPOSALS

Simron Singh explained that this is optional.

1. Industrial Ecology methods crash course (Shiva Zargar) –

Since last summer, a survey was conducted to gauge members' interest in the crash course. The results showed diverse interests, so we are currently waiting for feedback from the Development Board to determine whether additional funding will be available to proceed with the course.

Simron Singh asked if Shiva is in contact with the Education Committee. This is a new committee that will oversee courses and educational materials. It would be beneficial to connect with them.

2. A platform for sustainability literacy and research dissemination (Max Koslowski) –

This proposal has evolved into a small project. The basic idea is to provide community-curated materials on industrial ecology and sustainability science to the broader public, particularly targeting younger audiences such as high school students. After extensive brainstorming, we submitted our ideas to the website company that also manages the ISIE website. Unfortunately, they do not have the capacity to take on this project, which was a setback. Currently, we have a mockup, which Max presented. The goal is to create a wiki or textbook on industrial ecology. There is still a lot to be done, but we have set up a basic structure with some initial examples. The next step is to reach out to the ISIE community for help in filling in the gaps.

3. Islands at Risk: showcasing and teaching "Island Industrial Ecology" (Simron Singh, on behalf of the Islands Section) –

The proposal is in progress.

6. OTHER BUSINESS

IE DAY – Cristina Madrid Lopez

Cristina reminded the community about the IE Day event, which is a 24-hour online event series happening globally, organized through bottom-up proposals. This year marks the 4th edition, and she presented the new elements for this year's event. The focus will be on showcasing the IE community's work, emphasizing its value for decision-making, and attracting non-ISIE colleagues. There will also be joint sessions with policymakers, such as RTD (DG Research, NSF, CSC, etc.). She introduced the organizing committee and invited members from the West Coast to help cover those time zones. Cristina also presented the tentative timeline, with a calendar running from June to November 2024.

**7.****CLOSING OF GENERAL MEETING****MX**

Ming Xu thanked everyone who prepared presentations, talks, and activities, highlighting the variety of our work. He also expressed gratitude to Simron for organizing the AGM meeting so well. Ming Xu then proposed to close the meeting.

Simron Singh officially closed the meeting.

MEETING CLOSED AT 11.15 AM US EST