



# 2022

ISI VIRTUAL CONFERENCE

**EXPECTING MORE**  
NOVEMBER 16-17

# ISI 2022 Virtual Conference

## EXPECTING MORE

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Infrastructure is relied on for all basic human needs and services. As the pandemic laid bare in dramatic fashion, the infrastructure of yesterday is no longer sufficient: communities are **expecting more**.

Higher quality infrastructure and expanded services are needed to support the new way we live, work, and play. Infrastructure is increasingly viewed as the key to community success and economic recovery by governments across the political spectrum. How can we deliver on infrastructure's promise?

Our two-day virtual event opens with a focus on the challenges and opportunities that exist in the current operating environment, exploring how infrastructure systems need to change to deliver more.

On Day 2, we shift gears to focus on actionable strategies to use right now! New infrastructure funding offers a limited window of opportunity to build the infrastructure needed to support thriving communities in the 21st century and having the right game plan will be essential.

Participants in this conference will come away with a better understanding of the critical issues facing the infrastructure industry today

and will find ready-to-use tools and insights to deliver more value in their projects and infrastructure assets.

### Who should attend?

This free conference will be of interest to anyone in the sustainable infrastructure community, including:

- Planners, architects, engineers, developers, owners, constructors, operators
- Managers and decision-makers working in public sector agencies and private sector companies
- Employees at the municipal, state, or federal level with responsibility for infrastructure
- Infrastructure thought leaders and influencers
- Researchers and students at post-secondary institutions
- Envision Sustainability Professionals (ENV SPs)

Anyone with a desire to learn something new about sustainable infrastructure is encouraged to attend this free event, whether they're a sustainability and resilience expert with 20- or 30 years of experience, a mid-career professional, or just starting their career.

[\*\*Click here to Register!\*\*](#)



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**PRE-CONFERENCE COURSES AND NETWORKING**  
All times listed are Eastern Time

## Tuesday, November 15, 2022

10:00 am – 12:30 pm **ENV SP CREDENTIAL MAINTENANCE COURSES: TO BE ANNOUNCED**

*\*This course qualifies toward 2 prescribed hours of education toward ENV SP credential maintenance.*

An increasing number of public and private sector stakeholders are using Envision to plan, design, and deliver more sustainable infrastructure by setting standards, establishing policies, and pursuing verification. The purpose of this course is to demonstrate how Envision can be used to develop a holistic approach that extends beyond individual project success. Leaders from across all industry sectors offer detailed examples that illustrate ways Envision has bolstered their sustainable business practices. These examples are intended to inspire new approaches that can be strategically integrated into everyday operations.

1:00 pm – 5:00 pm

### **NEW! FUNDAMENTALS OF ENVISION AND SUSTAINABLE INFRASTRUCTURE**

*Separate registration required*  
*Register here: [New Course Registration Link](#)*

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5:30 pm – 6:30 pm **OPEN HOUSE AND NETWORKING**

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**2-DAY VIRTUAL CONFERENCE AGENDA**  
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## Wednesday, November 16, 2022

10:00 am – 11:00 am

### **KEYNOTE INTERVIEW: EXPECTING MORE FROM INFRASTRUCTURE INVESTMENTS**

Jeff Gitterman, Co-host of TheIMPACT and The Great Repricing Shows at FinEch. tv interviews Anthony Kane, President & CEO of the Institute for Sustainable Infrastructure, the organization behind the Envision Rating System. ISI is a center for research, training, and credentialing aimed at sustainable, resilient, and equitable infrastructure. ISI's 6,500+ Envision Sustainability Professionals and the hundreds of organizations they serve are on the front line of delivering the systems that we all need for a prosperous and healthy future.

Recognizing that humans need water for life; shelter for living, learning, healing, and survival; sanitary services for good health; energy for commerce; mobility for economic growth; and communications networks for trade; it is clear there is a major intersection between the world of ESG/Sustainability Investing and those that plan for, implement, and operate the infrastructure that communities depend on. But beyond our needs, sustainability is about assuring that the needs of future generations are also anticipated and not compromised by our actions today. The crux of this major intersection is the point at which infrastructure need and capital comes together to do extraordinary work that reaches across generations. There are two objectives to this interview:

- First, to connect the dots between planning and capital needed to transition to a sustainable, resilient, and equitable world ready to serve the needs of future generations.
- Second, to share information with viewers in search of opportunities to invest in the built environment – projects that help to lift society and heal the planet.

11:30 am - 12:45 pm

### **NAVIGATING A WORLD OF CLIMATE EXTREMES**

There was a global pandemic to grapple with, but the world didn't stop turning – fires are burning stronger and longer in the arid west, snow and freezing temperatures halted livability in otherwise warm climates, and human-induced climate threats are on the rise. Looking back on three years of unpredictability, what can we expect for the years ahead? The purpose of this session is to provide an overview of the dramatic changes in the infrastructure industry's operating environment and examine emerging responses to these changes. We will also see how failure to respond adequately now, will tie the hands of future generations.

- Serge Dupuis, Université de Moncton
- Matthew T. Potter, Senior Project Architect, HNTB



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## 1:00 pm – 2:15 pm **THE COMPLETE CARBON STORY**

What is net embodied carbon and what does it tell us about the holistic sustainability of our infrastructure assets? New research points to the value of decarbonizing projects and creating climate-ready infrastructure systems. This session will define net embodied carbon, present research that linking Envision to practical approaches to reducing net embodied carbon with and illustrate the application through a project example.

- Ryan Zizzo, Founder & CEO, Mantle Developments
- Spiro Pollalis, Zofnass Research Program
- Gilles Assier, Director, Container Terminal Constuction, Vancouver Fraser Port Authority

## 2:30 pm – 3:30 pm **PROJECTS SPOTLIGHT** **Moderator: Kristi Wamstad, Verification Director, ISI**

Real-world project examples are the most sought-after resource Envision users rely on for inspiration and lessons learned. In this hour-long session, we'll explore the details of 4 Envision projects and use cases. Project team members will describe their strategies for approaching Envision implementation given the unique implications of the project's delivery method. Specific credits will be highlighted to underscore the project team's achievements and efforts toward improving the project's overall sustainability outcomes. Lessons learned will be detailed, and participants will glean practical take-aways with everyday applications.

## 4:00 pm - 5:15 pm **TACKLING 21ST-CENTURY INFRASTRUCTURE DESERTS**

With increased options for remote work, and public schools leaning on remote learning as an alternative to in-person schooling when the risk of COVID spreading was high, the pandemic put a spotlight on the lack of data infrastructure in many regions. Despite requirements hinging on access to internet, many communities do not have adequate access to broadband networks. A parallel can be drawn here relevant to long-understood "necessary" services such as reliable electricity, clean water and sanitation services. Just as there are communities without services to meet the new basic needs of connectivity, many communities are living without services many take for granted. These disparities further feed a negative reinforcement cycle where the wealth gap widens. Where are our infrastructure deserts, and what role will sustainable infrastructure play for near- and long-term improvements in quality of life for these communities?

- Simon Fowell, Principal Economist, Autocase
- Anica Landreneau, Director of Sustainable Design, HOK



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5:15 pm – 6:30 pm **POSTERS AND NETWORKING SESSION**

## Thursday, November 17, 2022

10:00 am – 11:00 am **KEYNOTE: ENVISION AT NASA**  
**Moderator:** Melissa Peneycad, Managing Director, ISI

Speakers:

- Kelly Busquets, Goddard Sustainability Program Manager, NASA
- Dr. Allegra Le Grande, Climate Researcher, NASA



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11:30 am - 1:45 pm

## LEVERAGING SHIFTING ADMINISTRATIVE PRIORITIES

**Moderator:** John Williams, Chairman and CEO, Impact Infrastructure, Inc

A pair of panels examine new administrative priorities and policies for pandemic recovery, and how the infrastructure community can make the most of new financing and funding opportunities to deliver on that work.

In the U.S., Canada, and abroad, governments have enacted measures that recognize the significance of infrastructure systems as a crucial pillar of community and economic success. But what's different about this new mindset? Panel 1 will introduce policies impacting the infrastructure sector and recommend approaches for revealing the full value of projects.

Extending ideas for realizing the full value of infrastructure assets, Panel 2 discusses how to leverage benefit-to-cost ratios effectively to go further with environmental, social, and governance (ESG) benefits. Examples will introduce the concept of social benefit credits and illustrate how incorporating higher-quality service offerings in projects can assist in seeking fuller financing options.

### Panel 1: Policy and Administrative Priorities

- The Honourable Senator Rosa Galvez, Senate of Canada

### Panel 2: Equitable Financing and Funding

- Tate Wimberley, Managing Director, Madison Street Capital, LLC
- Mike Brown

1:45 pm – 3:00 pm

## POSTERS AND NETWORKING SESSION



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3:00 pm – 4:15 pm

## LESSONS FROM THE AIRPORT SECTOR

**Moderators:** Carly Shannon, Founder & Principal, Linx Strategies LLC; and Kari Hewitt, Hewitt Sustainability Strategies, LLC

Viewed as micro-communities in and of themselves, airports offer many transferable lessons learned for building and operating more sustainability. Industry experts will share results from the search for new value in airport infrastructure and offer examples of optimal design solutions that do more for the environment and communities — building the “right shade of green.”

- Melissa Targett, Sustainable Design Manager, Resilience and Sustainable Design, Engineering/Architecture Design Division, Port Authority of New York and New Jersey
- Jessica Noon, Sustainability Manager, City of Philadelphia Division of Aviation
- Rikki Scantlin, Environmental Specialist, RS&H

4:30 pm – 6:00 pm

## MOVING BEYOND COMPLIANCE

With the rare and unexpected becoming more commonplace, infrastructure owners are under pressure to look beyond regulatory compliance and provide more than basic services. They need actionable strategies to increase the service capacity, resilience, and robustness of their assets to support community survival under new and chronic stressors. Adaptable pathway planning will be introduced as a playbook for infrastructure owners to be more responsive and support quicker transitions to align with changing community needs. This culminating conference session will draw on thematic discussions from the two-day event to show how we can reposition our infrastructure to achieve more and become more agile.

- Savina Carluccio, Executive Director, International Coalition for Sustainable Infrastructure (ICSI)
- Jennifer Ninete, Sustainability Coordinator, HDR
- Valentina Ferrer Rivero, Transmission Design EIT, HDR
- Mat Mampara, Vice President, Director of Innovation, Resilience Solutions Group, Dewberry

With closing remarks from Anthony Kane, President & CEO, ISI.