Clean Technology Innovation Initiative (CTII) Online Workshop

Invitation and Agenda

When: Wednesday, 16 February 2022 (11:00-12:30 Eastern Standard Time North America)

Invitation: VerifiGlobal and the Standards Council of Canada (SCC) are inviting you to participate in an interactive online workshop on Wednesday, 16 February 2022 (11:00-12:30 Eastern), to review progress on the Clean Technology Innovation Initiative (CTII)

The CTII is aiming to strengthen global capacity to assess and implement innovative, sustainable solutions by examining the principal process elements and relationships that enable the development and deployment of innovative solutions, with corresponding linkages to existing/proposed standards and the United Nations Sustainable Development Goals (UN SDGs).

The objective of the 16 February workshop is to provide an opportunity for a broad range of participants to become familiar with and comment on the pivotal forward-looking assumptions which underpin the CTII.

By the end of March 2022, the intent is to have in place on the VerifiGlobal website (https://www.verifiglobal.com/en), a beta-stage version of a comprehensive "clean technology innovation ecosystem relationship map" which will address two pressing global issues - climate change mitigation/adaptation and water efficiency/resiliency. With the principal elements defined, the map will serve to illustrate the convergence of innovation, standardization, and interoperability, leading to the attainment of sustainable development goals.

Confirmation: Please confirm your interest and availability to participate in the 16 February CTII Online Workshop by accepting or declining the Webex meeting invitation.

Video and call-in instructions:
Cisco Webex
Meeting Number (Access Code): 2312 827 9025

For more information, please contact:
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CTII Background

The Clean Technology Innovation Initiative (CTII) is a joint project between VerifiGlobal and the Standards Council of Canada, under Canada's Innovation and Skills Plan, which aims to generate greater awareness and interest in the standardization process with a particular focus on the activities of the International Organization for Standardization (ISO) Technical Committee on Environment (TC 207). VerifiGlobal and the Standards Council of Canada (SCC) launched this new initiative to advance global sustainability.

With growing demand for green technologies, products and services, environmental performance standards need to be better understood and positioned to effectively support the achievement of sustainable development goals. Ensuring market relevance of these products, technologies, and services requires mutual understanding and trust among stakeholders through meaningful engagement and the articulation of shared performance objectives, with a focus on evidence-based outcomes. CTII aims to improve understanding and mobilize knowledge directed at the development and deployment of innovative clean technologies and the effective use of standardization.

The Clean Technology Innovation Initiative has two parts:
- Part one aims to reach consensus on the principal process elements and relationships that enable the development and deployment of innovative environmentally sound solutions, and the essential linkages to existing and proposed standards. These key relationships will be represented in the form of a generic relationship diagram.
- Part two involves assessment and analysis of key issues and opportunities in selected sectors where the relationship diagram "tool" could effectively be applied. The initial examples will be used to illustrate solution pathways, exemplifying how relationship mapping and performance benchmarking can be applied to untangle complex issues and add value.

Anticipated CTII outcomes include:
- Increased awareness and understanding regarding the role of standardization in supporting global sustainability.
- An interactive, visual tool for the global innovation system to demonstrate how the 'cross-cutting' family of ISO TC207 standards are relevant to both global and national challenges and opportunities.
- A web-based integrative relationship map to visualize how global sustainability goals and international standards interact and relate to each other in a systematic way. The 'Innovation' relationship map will be publicly accessible on the VerifiGlobal website.
- Effective application of existing and proposed environmental standards in support of technology innovation and the realization of global sustainability objectives.

Workshop Agenda
16 February (11:00-12:30 Eastern Time North America)

Host: Fleming College, Office of Applied Research & Innovation

Moderators: VerifiGlobal and the Standards Council of Canada (SCC)

1. Introduction - What is the Clean Technology Innovation Initiative (CTII)? What are the expected deliverables and outcomes?

2. Strengthening global capacity to assess, select and deploy innovative solutions with sustainable outcomes – Challenge: Climate Change Mitigation and Adaptation.

3. Positioning innovative technologies, products, and services to support sustainable development goals – Challenge: Water Systems Efficiency and Resiliency.

4. Effective use of standardization to improve understanding and mobilize development and deployment of innovative clean technologies – Challenge: Interoperability throughout the policy development and standardization process.

5. What is relationship mapping? What are the essential components and what are the benefits? How can the CTII relationship map be used to assess and understand clean technology solutions?

6. How to become involved in the further development and application of the CTII innovation system relationship map.

Organizational Profiles

The Standards Council of Canada (SCC) is a federal Crown corporation and part of the Innovation, Science and Economic Development portfolio. SCC oversees Canada's national standardization network and facilitates the development and use of national and international standards and accreditation services to enhance Canada's competitiveness and well-being. Standards help to ensure better, safer, and more efficient methods and products, and are an essential element of technology, innovation, and trade.

The ISO/TC 207 Technical Committee on Environment has been a leader in the development of standards in the field of environmental management systems and tools in support of sustainable development around the world since 1993. Canada has held the leadership position for this Committee since its inception. TC 207 develops standards and tools in the field of environmental management, through a team of five subcommittees and various working groups shored up by international Member Bodies. These subcommittees focus on various areas of standards development that relate to environmental management systems, lifecycle assessment, greenhouse gas management, environmental labelling, environmental performance evaluations and environmental auditing. The TC currently has membership from 83 participating member bodies and 38 observing member bodies not including the memberships for each of the six subcommittees that fall under the purview of TC 207.

The United Nations Sustainable Development Goals (SDGs) cover a broad range of social and economic development issues applicable to all countries, including poverty, hunger, social justice, gender equality, education, health, water, sanitation, urbanization, energy, climate change, and environment. The 17 interrelated global goals affirm the importance of international trade as an engine for development and sustained economic growth, and the need for a universal, rules-based, open, non-discriminatory and equitable multilateral trading system, as all countries advance towards sustainable development.

VerifiGlobal helps clients communicate the benefits of innovative solutions and demonstrate effective performance of innovative solutions through independent performance benchmarking and verification. This helps advance viable, eco-efficient solutions that create value and reduce risk. As part of its mission, VerifiGlobal conducts environmental technology performance verification through qualified technical organizations that are members of the VerifiGlobal Alliance, an international platform of qualified performance testing and verification organizations. Currently, there are 12 Alliance members in 7 different countries. These organizations have the personnel, equipment and facilities to conduct independent performance testing of technologies within their respective areas of expertise, as well as environmental technology verifications in accordance with the ISO 14034 ETV Standard.

The Fleming College Office of Applied Research and Innovation provides applied research and development services to business, industry, institutions, and community organizations. It serves as a gateway to college applied research and development expertise by supporting efforts to innovate and improve products and processes, enhancing student education and research skills, and promoting the expertise and professional development of college faculty and employees through research opportunities.