Clean Technology Innovation Initiative (CTII)

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Background/Objectives. Public and private organizations are often challenged when considering environmental issues and new international agreements in the context of their activities and business operations. Green technologies, products, and services need to be better understood and effectively positioned to support and accelerate the achievement of sustainable development goals.

Approach/Activities. Launched in September 2021, the Clean Technology Innovation Initiative (CTII) aims 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, together with their corresponding linkages to existing and proposed standards, and the United Nations Sustainable Development Goals (SDGs).

Within the current timeframe, culminating in March 2022, the CTII will have in place a beta-stage version of a comprehensive "clean technology innovation ecosystem relationship map" addressing two pressing global issues - climate change adaptation and water resiliency – with the principal elements of the map defined, illustrating the convergence of innovation, standardization, and the attainment of sustainable development goals. The CTII relationship map and associated decision-support tools will be freely available through the VerifiGlobal website (https://www.verifiglobal.com/en).

Results/Lessons Learned.
Outcomes arising from the CTII include:
- Increased awareness and understanding regarding the role of standardization in supporting the development and deployment of innovative, sustainable solutions.
- A web-based integrative relationship map illustrating how global sustainability objectives and international standards interact and relate in a systematic way.
- Effective application of existing and proposed environmental standards in support of technology innovation and the realization of global sustainability objectives.

Key topics and questions addressed in this presentation will include:
- What is the Clean Technology Innovation Initiative (CTII)? Why is it important to strengthen global capacity to assess, select and deploy innovative solutions with sustainable outcomes?
- Why is climate change adaptation important? Why is water resiliency important?
- What is relationship mapping? How can the CTII relationship map be used to assist in assessing and understanding clean technology solutions?
- How can innovative technologies, products, and services be better positioned to support sustainable development goals?
- How can the effective use of standardization improve understanding and mobilize knowledge directed at the development and deployment of innovative clean technologies?