

Introductory remarks for World Panel, Advanced Bioeconomy Leadership Conference, ABLC Digital 2021

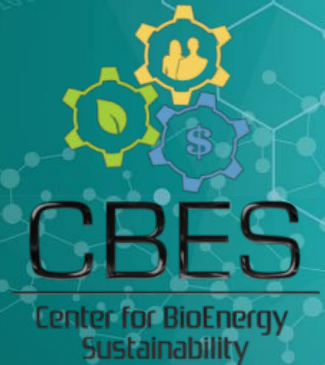
ABLC WORLD STAGE FORUM GLOBAL TRENDS

Research & communications for building trust in sustainably-sourced biomass

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For my grandchildren and future generations.

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Bioenergy impacts on Sustainable Development Goals (SDGs) depend on site-specific conditions

- Biofuel supply chains documented in IEA Bioenergy case studies had “overwhelmingly positive contributions” supporting
 - SDG-7 Affordable & Clean Energy
 - SDG-8 Decent Work & Economic Growth
 - SDG-9 Industry, Innovation, Infrastructure
 - SDG-12 Responsible Production & Consumption
 - SDG-2 Zero Hunger and SDG-6 Clean Water & Sanitation (especially with agricultural, energy crops and residues)
 - SDG-15 Life on Land (especially with properly-managed forestry supply chains)
 - Some bioenergy supply chains showed remarkable resilience to the Covid pandemic
- Sustainability requirements for bioenergy influence wider forestry and agricultural practices, increase investments in conservation, and provide incentives for natural climate solutions



Many challenges remain to build public confidence in the role of biomass in sustainable, climate-smart, circular economies

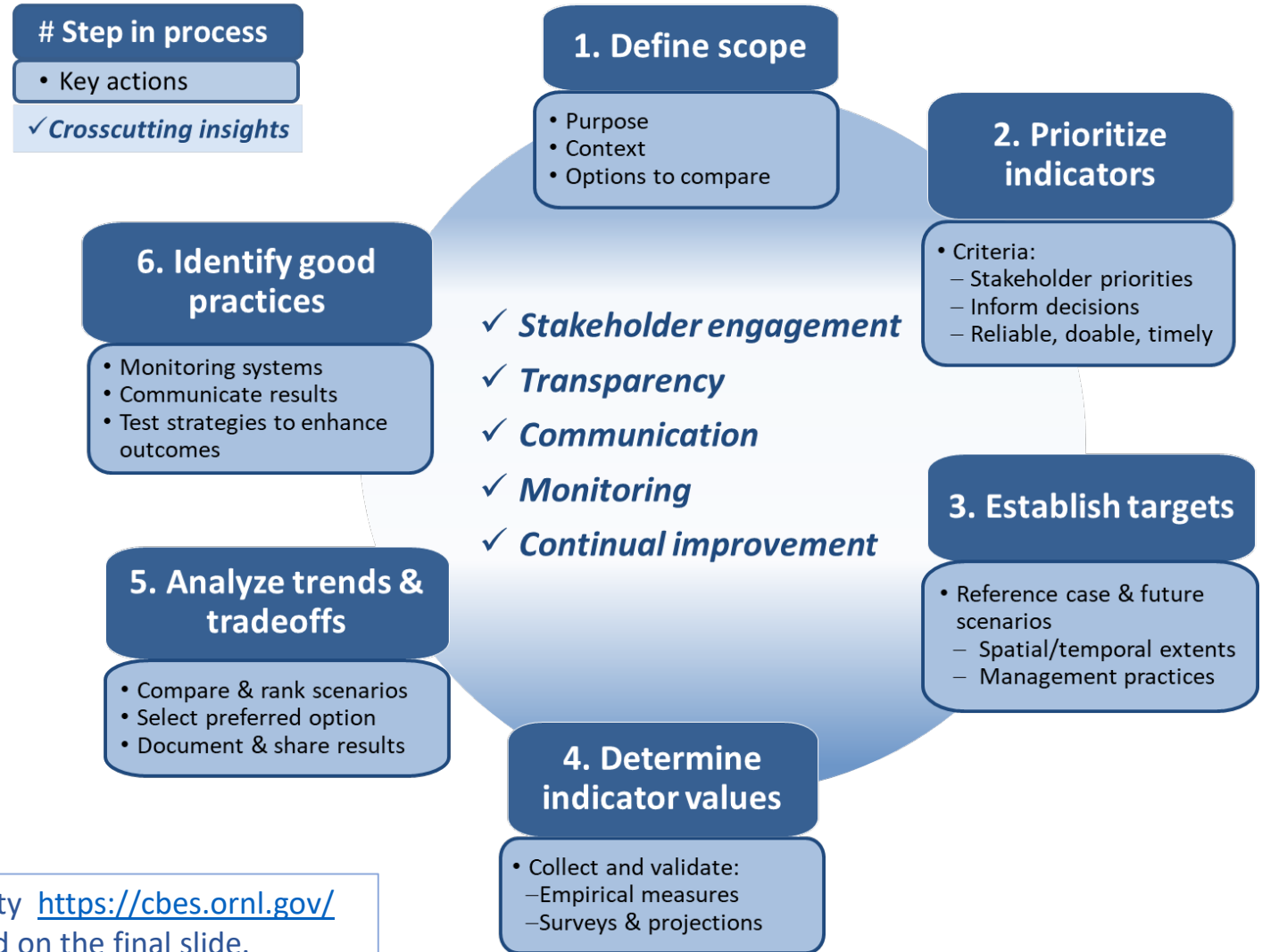
How can we best –

- Effectively communicate research to broad audiences?
- Build trust in science and understanding of how the scientific process works?
- Appropriately communicate the distinctions among different levels of confidence in data and findings?
- Provide transparent, timely, and reliable information on effects that are of high priority to local stakeholders?



Social resistance to bioenergy persists. Work continues to identify best practices & build trust

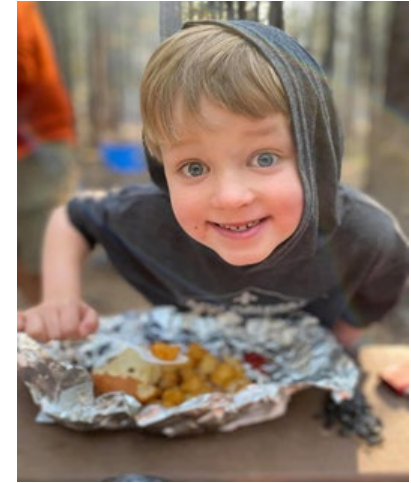
- Trust is built on relationships.
- Long-term commitments can create stakeholder ownership of the process and proposed solutions.
- Future research directions
 - Link equity, distributive justice (a.k.a. EJ) & resilience with energy transitions and an expanding bioeconomy
 - Build global consensus on verifiable standards for sustainably-sourced biomass



For more information, please see Center for BioEnergy Sustainability <https://cbes.ornl.gov/> [publications] including Dale et al. 2019 and other References listed on the final slide.

Thank you!

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