Blockchain Governance

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Standards 2.0 Governance Innovation for Blockchain/digital Solutions for Climate

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Tom Baumann

Co-Founder and CEO, ClimateCHECK and Collaborase
Co-Founder and Director, Xpansiv
Co-Founder and KM Director, GHG Management Institute

Challenges → Governance Innovation

- New era of bottom up approach for climate change solutions (NDCs and non-state actors) needs a Nextgen MRV governance system

- Need a governance system to make the rules to structure and operate Blockchain/digital system

- Existing governance outdated and needs a culture change (shared control) and new business model to motivate governance stakeholders

Are Governance/Standards a Big Deal?

- The benefit of standards is estimated at 2-3% GDP
  – as context, commodities markets about 7% GDP

- $ Billions every year to develop standards

- If no standards, then no viable sustainability markets that can achieve the Paris Agreement Goals

Problems with How We Write Standards Now

- Draft text in a MS Word file is passed around, often without the track changes

- Comments collected in a table in MS Word file and then consolidated into one file
  - can take > 2 days of work over a couple weeks

Goals for New Standards System

- Reduce costs and time
- Increase participation and confidence
- Modernize standards and standards system to be more synergistic with digital technologies
  - Achieve more results with new standards (and avoid being a bottleneck)

How We Need to Write New Standards

- Shared online document, just one version and accessible by all stakeholders anytime
- Comments are automatically posted/compiled within the online document
- Make Smart Standards

Building a new online community for decentralized Standards 2.0 System

Standards Development

Setting and Validating
Rules, Methods for MRV

Gold Standard

CDSB

INITIATIVE FOR Climate Action Transparency

CDP
DRIVING SUSTAINABLE ECONOMIES

The Climate Registry

Knowledge Base

Support Planning the
Standards Modular Framework
and Standards Development

ghg management institute

Online Reporting And Verification

Rules and Methods for MRV
Applied with Companies

ICROA

Supporting Resources to Enable Standards as A "Living Document"

Contextual How to Guidance
Case Study Examples
Links to Data
Expert Forum

The Higher Ground Foundation
- stand up to climate change

Link Standards 2.0 To Blockchain

Standards to be Interactive
Digital Feedstock into Blockchain
New standards business model

xpansiv

On Collaborase Over 5000 Experts 100s of Standards Activities

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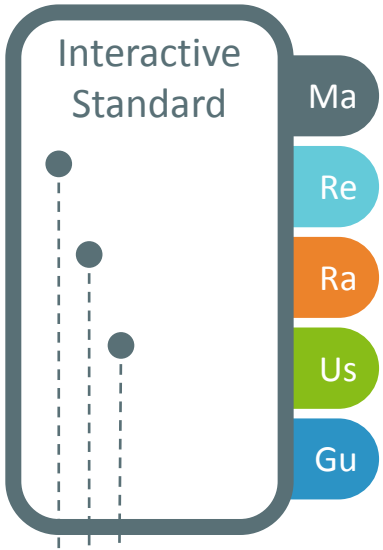
Standards as Interactive Documents

Standard is not just a PDF, but an interactive “living document” with several layers of integrated content



“Main” content that is what users need to follow to report

“Requirements” and process followed to produce the standard

“Rationale” and substantiation that supports development of the standard

“Usage” by users sharing lessons learned how the standard is being used

“Guidance” for users to support verifiability of reported information

Comment Q&A discussion forums within each section/clause of the standard

Surveys within each section for structured feedback

Uploaded files (e.g. Excel®, Word®, PDF, images) as added resources

Summary Points

- Blockchain/digital system brings efficiency and accountability, but needs corresponding innovation in decentralized collaborative governance systems

- Availability of web-tools and integration with digital technologies NOT ENOUGH

- Need culture change (shared control) and new business model to motivate governance stakeholders

Thank You. Questions?

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Extra Slides

Videos

Collaborase – easy to use for quality process and content
Watch

Increase Participation with Transparent User Engagement
Watch

Online knowledge life cycle
Move to Interactive Standards 2.0
Watch

What is Standards 2.0

- the community of standards experts (development, management, application) use advanced online collaboration tools much more extensively;

- each standard is restructured in a modular way so that specific parts can be updated more easily (as a “living document”) without compromising the overall integrity of the document, in contrast to current practices with a static published document;

What is Standards 2.0

- each standard (that specifies criteria/procedures/methods) is linked to contextual content within a larger collaboration knowledge management (KM) system, including platform and user community, for example
- (a) links to the online knowledge base (e.g., a Wiki) and supporting research/work that went into the development of the standard,
- (b) links to “how to” guides, templates, data sources and other resources to support better implementation of the standard,
- (c) engages directly with online expert groups (like a mini social network of professionals) sharing expertise in Q&A forums

What is Standards 2.0

- all the standards are designed to be more modular within a comprehensive framework, and these modular standards are made to be interoperable building blocks to reduce conflicting/duplicative requirements, as well as avoid wasted resources and uncoordinated proliferation of standards;

- the specific content/methods in the standards reflects the new digital/automated processes enabled by Blockchain and IoT (in contrast to the largely manual/Excel based current practices);

What is Standards 2.0

- the foundational governance rules guiding the standards 2.0 system, e.g. the standardized process for developing a standard, and validation of new standards incorporates open decentralized participatory/democratized collaboration models enabled by online tools, in contrast to the current practices that are more hierarchical/bureaucratic; and,

- participants are motivated by a new economic model that is results-based on the outcomes of the use of the standards, in contrast to current practices of strained volunteerism/fatigue or standards bodies selling copyrighted standards.