

A decorative graphic on the left side of the slide consisting of several parallel diagonal lines. The top four lines are green, and the bottom four lines are white.

# PACT Conformance Testing Process Overview

# Topics

- PACT Overview
- PACT Conformance Testing / Connectathon Process Overview
- PACT Catalog Overview
- Q & A



Partnership for Carbon Transparency (**PACT**) brings together stakeholders from across industries and organizations to jointly tackle this challenge...



## Our vision

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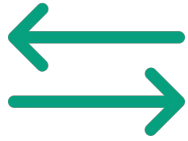
Unlock decarbonization through real emissions transparency in value chains

## Our mission

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Establish the global methodology and technical infrastructure for accurate, primary and verified GHG emission data exchange and measurement

# Activities to empower and enable the PACT Community ...



## Connectathons

WBCSD facilitates **monthly Connectathons** to bring together implementers to test the **Real time** PCF\* Data exchange

Enables the **streamlining & acceleration** of the process for PACT Conformance Testing



## Conformance Testing

Organizations participate and conduct **Bi-lateral** Conformance Testing of their Solutions

Enables Implementers to verify the **technical interoperability** of their solutions



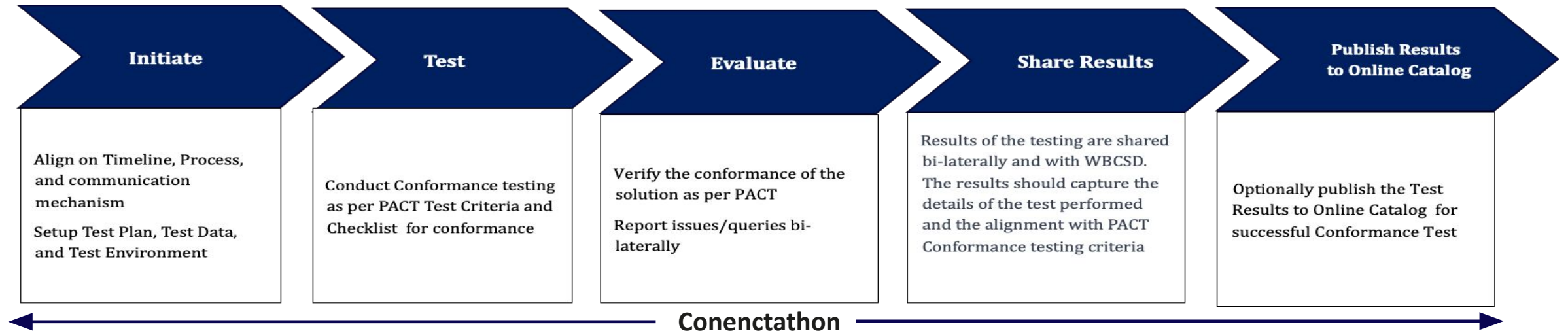
## Onboarding to PACT Online Catalog

Organizations are encouraged to onboard their solution on the **PACT Online Catalog** regardless of their Conformance status

Enables the **discoverability** and **accessibility** of PACT Conformant Solutions and data extensions

*Enabling an ecosystem of PACT Conformant Solutions and bringing together the community of implementers*

# PACT Conformance Testing & Connectathon – Process Overview



## What is a PACT Connectathon?

- **Monthly** peer-to-peer interoperability & PACT Conformance Testing cycle for interested Solution Providers
- Participating Organizations **pair-up with 2 or more peers** to conduct Testing of their Solutions
- WBCSD Team sends out **Sign Up form** to gather participation for upcoming Connectathon

## What is a PACT Conformant\* Solution?

- A conformant solution “A” must:
- **Pass checklist of tests with two or more other solutions** from 3rd parties
  - Other solutions must **independently confirm the conformance** of solution “A”

## What is tested during Conformance testing?

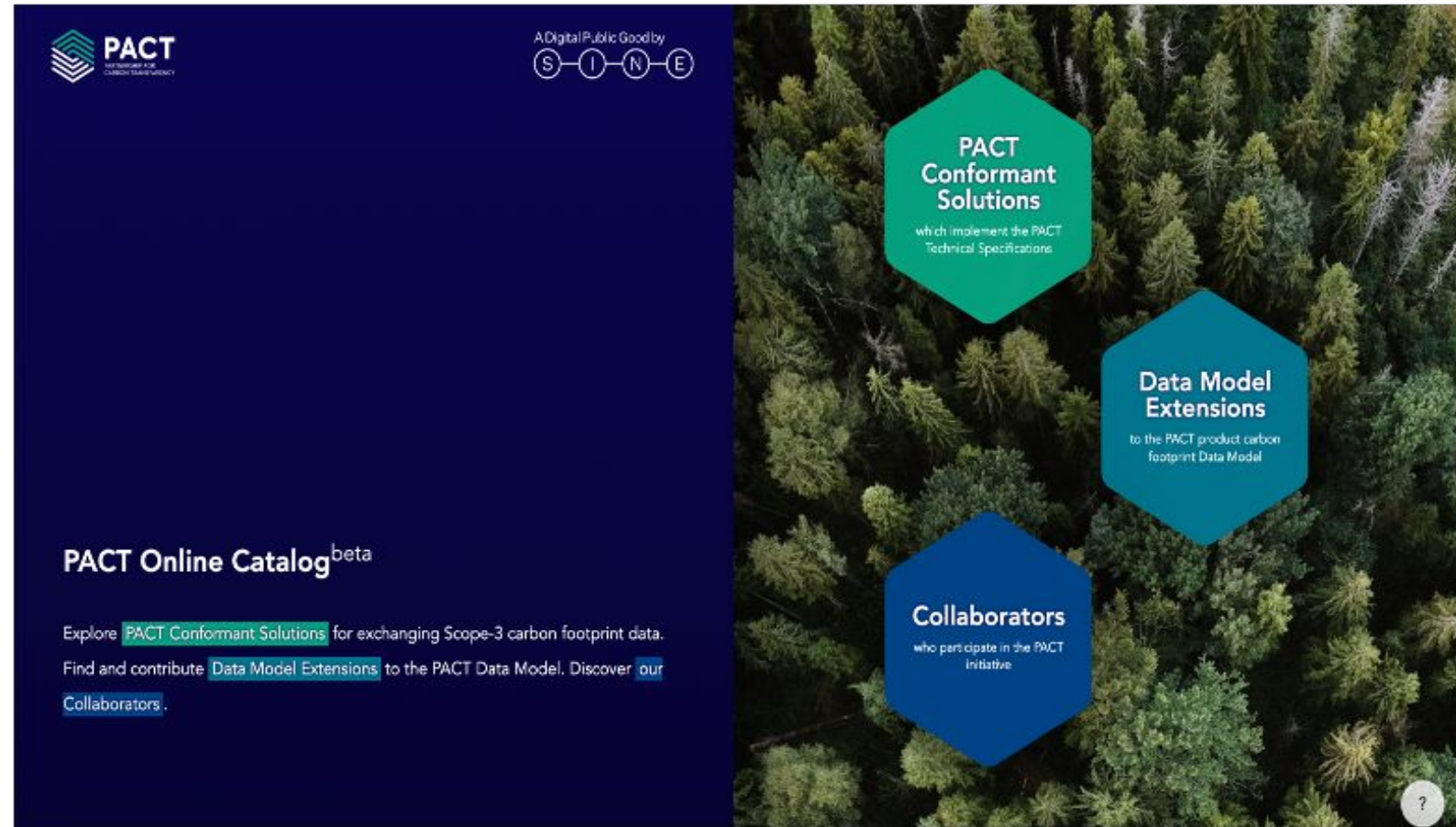
Conformance to PACT technical specification:

- ✓ **Solution exchanges PCF information** per the specification
- ✓ **No technical errors** occur on data exchange
- ⊗ **PCF calculated according to Pathfinder Framework**

\*Why conformant, not compliant? **Compliance** is a legal requirement; **Conformance** refers to voluntary adherence to standards

# PACT Catalog

*“Explore and contribute to the PACT ecosystem of **PACT Conformant Solutions**, **Industry / Sector specific Data Model Extensions**, and **Collaborators**”*



<https://catalog.carbon-transparency.com/>

# Q & A

# Appendix



# PACT Conformant Solutions and Collaborators



PACT Conformant (completed & pending)

20 Solutions

ALTRUISTIQ



boost technologies

carboledger

carbon trail



CIRRUS NEXUS

climate camp

CO2 AI PRODUCT ECOSYSTEM

FUJITSU

HITACHI

OPTEL

KLOOPIFY

McKinsey Sustainability

NRI

zeroboard



SAP



Additional collaborators

Ecochain

Emitwise

IBM

Microsoft

Sage

SiGREEN by SIEMENS

Catena-X Automotive Network

PIDX INTERNATIONAL

Smart Freight Centre

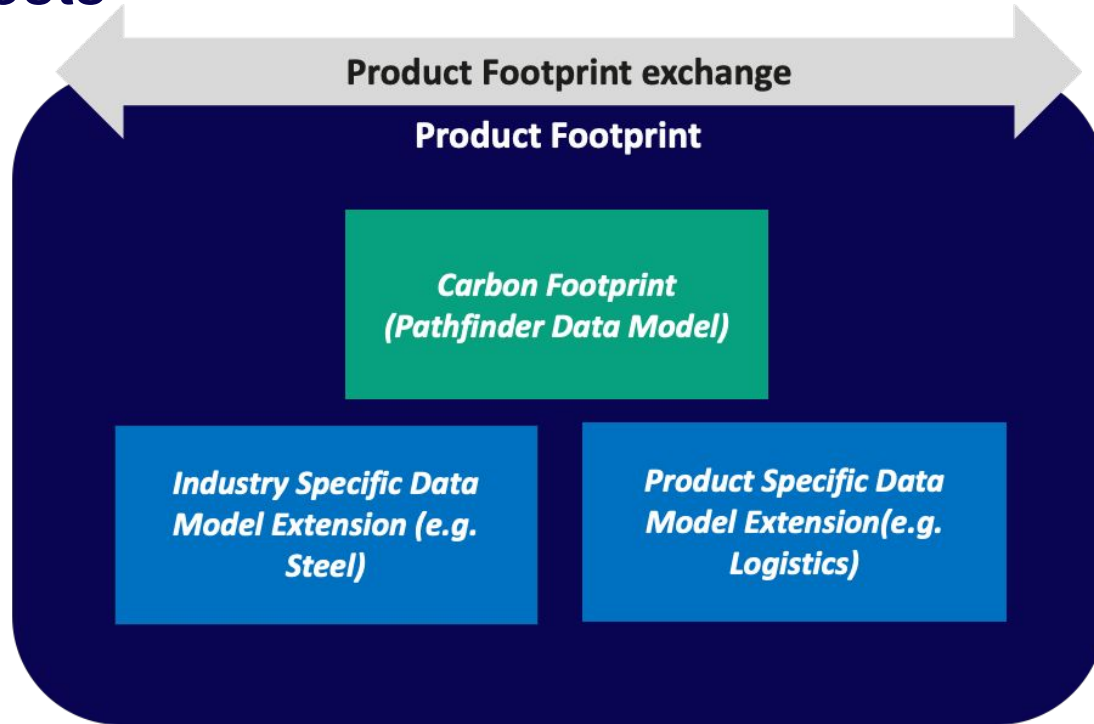
ARMI

ecovadis

TOGETHER FOR SUSTAINABILITY

11

Working closely with Industry initiatives on the Pathfinder Data Model Extensions enables the extensibility and minimizes future specification efforts / transaction costs



*A Data model extension is a set of industry specific definitions / attributes that extends the Pathfinder data model*

Examples :

- Attributes which covers the quantification and reporting of greenhouse gases from transport chain operations in **Logistics** Sector or **Steel** sector
- Attributes for other impact categories like **biodiversity loss**



PACT is working collaboratively with Industry initiatives to expand the Pathfinder Network's reach by-

- Conducting ***focused Workshops and Working sessions*** to discuss and align on the Technical Specification, Data Model and further extensibility
- Organizing ***Working Groups*** to facilitate collaboration
- Welcoming the Industry initiatives to ***contribute in shaping the Technical Specification***

# Frequently used terms

Helping you navigate PACT better: Frequently used terms

- **Connectathons:** Derived from the words "connect" and "marathon", it refers to an event in which people collaborate over a relatively short period of time to connect different technology solutions, thus proving interoperability and PACT conformance.
- **Online Catalog:** A list of items or services available to customers to facilitate purchase decision process. In PACT's context this refers to the list of technology solutions that are conformant to PACT Network.
- **Pathfinder:** Key deliverables from focus areas Methodology and Technology (i.e., Pathfinder Framework and Pathfinder Network respectively) to highlight new paths being taken to resolve emissions transparency challenge.
- **Pathfinder Framework:** Industry-agnostic methodological guidance for calculation and exchange of product emissions data (incl. data elements exchanged within value chains).
- **Pathfinder Network:** Network that enables organizations to connect across value chains and industries to share PCF data. It creates interoperability between technology solutions and industry-focused data exchange platforms, allowing organizations to chose their software provider.
- **Pathfinder Ecosystem:** Group of stakeholders collaborating within PACT to drive emissions transparency (incl. businesses, industry initiatives, standard-setting and reporting bodies, governments and non-governmental organizations).
- **Product Carbon Footprint (PCF):** Total GHG emissions generated during life cycle of a product, measured in CO<sub>2</sub>e.
- **Supply Chain Actor (SCA):** Manufacturing or service company directly involved in production
- **Solution Provider (SP):** IT/Software provider

## Resources

- [Pathfinder Framework Version 2.0.0](#)
- [Pathfinder Technical Specifications Version 1.0.1](#)
- [Pathfinder Technical Specifications Version 2.0.1](#)
- [PACT Conformance Testing Process Overview](#)
- [PACT Conformance Testing Checklist](#)
- [PACT Online Catalog](#)