

IEEE planet positive 2030

Imagine The Future We Can Build Together

IEEE planet positive 2030



Maïke Luiken, PhD

Chair, IEEE Planet Positive 2030

John C. Havens

IEEE SA Staff Lead, IEEE Planet Positive 2030
Founding Executive Director, The IEEE
Global AI Ethics Initiative

The IEEE Planet Positive 2030 Initiative

What is IEEE Planet Positive 2030?

IEEE Planet Positive 2030 is an open, global initiative that is focused on developing practical paths to achieve a sustainable planet—a Planet Positive future for 2030 and beyond.

What do we mean by “Planet Positive?”

“Positive” = identifying how to ‘give back’ more to the Planet than is ‘removed’ (“regenerative” versus “climate neutral”) and not harming the biosphere/planet -> circular economies.

Why “2030?”

While the year 2050 is the goal for zero net GHG emissions, to get there we need to achieve a 50% reduction from 2005 levels by the year 2030.



IMAGINE THE FUTURE WE CAN BUILD TOGETHER

Two “Impossible” Goals

1

Transform society and infrastructure to achieve Planet Positivity.

2

Identify the technological solutions we need to design, innovate and deploy to reach Planet Positive 2030.



[Join The Initiative](#)

IEEE Planet Positive 2030 Deliverables

Our Planet Positive 2030 Projects



IEEE Planet Positive 2030 Compendium:
Strong Sustainability by Design



Impact Accountability / Assessment Framework:
Accountable Sustainability by Design

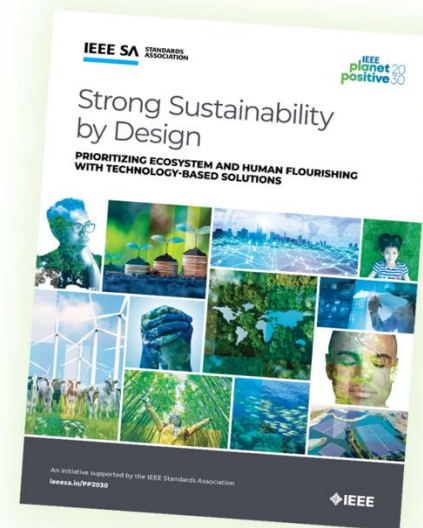
Follow-through Goals:

- Provide ready Access to Knowledge, Best Practices
- Connect People for Action
- Be a Catalyst for Solutions
- Ensure widespread open and transparent communications
- Influence policy for immediate and impactful action
- **Change how technology and standards are designed and created to prioritize planet and people first**

IEEE Planet Positive 2030

Strong Sustainability *by Design* - Compendium

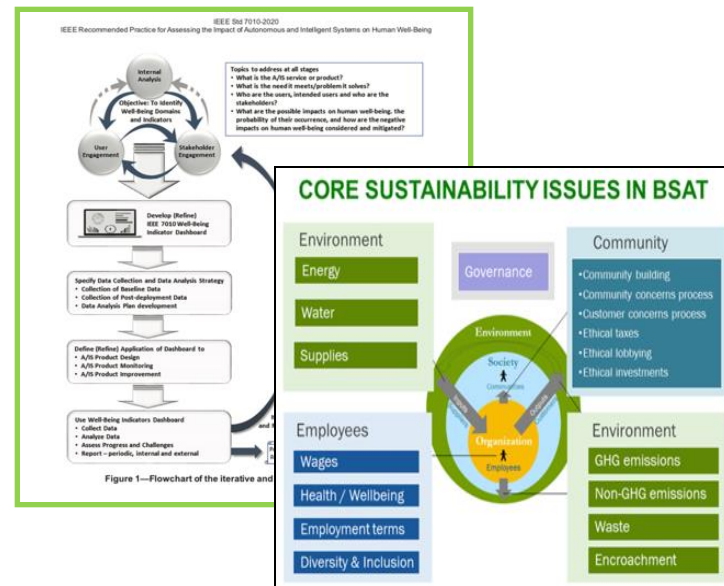
- Guiding Principles
- Metrics / Indicators
- Economics / Regulation
- Global Methodologies
- Ecosystems:
 - Forests and Trees
 - Rivers and Lakes
 - Towns and Cities
 - Oceans and Coasts
 - Farmlands and Grasslands, Mountains and Peatlands
- Human Wisdom and Culture
- Sustainability Commons
- The Arts



IEEE Planet Positive 2030 Impact Assessment Framework Accountable Sustainability by Design

Measuring What Matters

- Utilizing metrics such as the UN SDGs and/or ESG metrics is how to best measure progress towards Planet Positive 2030 goals.
- The Impact Assessment Framework will complement the Strong Sustainability by Design compendium and will be based on UN SDGs, ESGs and/or other available Impact Assessment tools (environmental, infrastructure, climate, ...) and reporting systems / templates.
- IEEE has created the IEEE 7010™-2020 Standard that features a Wellbeing Impact Assessment. It will be used in conjunction with tools like the ones created by Sustainability Advantage: “Basic Sustainability Assessment Tool (BSAT)”. The goal is to provide a pragmatic assessment framework and tools that educate about and enable accountability.
- The IEEE P3469 Standards Working group focused on E-Liability will also be incorporated into this work.



Important IEEE Links

- Planet Positive 2030 - <https://sagroups.ieee.org/planetpositive2030/>
 - Newsletters - <https://sagroups.ieee.org/planetpositive2030/newsletter/>
 - Strong Sustainability by Design & Accountable Sustainability by Design - <https://sagroups.ieee.org/planetpositive2030/our-work/>
- IEEE SusTech Initiative, IEEE Future Directions - <https://cmte.ieee.org/futuredirections/projects/climate-tech/>
- IEEE Climate Change - <https://climate-change.ieee.org/>
 - Newsletters - <https://climate-change.ieee.org/signup/>
 - Articles - <https://climate-change.ieee.org/resources/xplore/>
 - Events - <https://climate-change.ieee.org/resources/events/>
- IEEE Technical Communities - <https://www.ieee.org/membership-catalog/productdetail/showProductDetailPage.html?product=CMYCC962>
- IEEE Standards - <https://standards.ieee.org/industry-connections/sustainable-infrastructures-development/>
- Young Professionals Climate and Sustainability Task Force - <https://yp.ieee.org/climate-sustainability-task-force/>
- Women in Engineering - <https://wie.ieee.org/news-events/conferences/ieee-wie-day/>
- MCE – IEEE Event Sustainability Guide - <https://ieeemce.org/planning-basics/ieee-event-sustainability-guide/>
- IEEE Humanitarian Activities Board - <https://htb.ieee.org/>
- IEEE TAB Climate Change Program - [TAB Climate Change Program](#) - [IEEE Technical Community Spotlight](#)

IEEE Mission

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.



What else do we need?

YOU!



AND ... Your Families, Your Friends, Your Colleagues, Your Communities ...

It will take all of us working together to succeed!



IEEE
planet 20
positive 30



Maike Luiken
maike.luiken@ieee.org



John C. Havens
j.c.havens@ieee.org

You are invited. Join IEEE Initiatives Today!