PACE continues to accelerate the transition to the circular economy in electronics & capital equipment by: driving transformative projects; mobilizing learning to inform action; and activating global leadership to drive action.

In 2020, there are three opportunities for engagement & leadership:

1. Help accelerate and scale existing projects
2. Shape PACE system mapping and analysis to guide strategic action
3. Lead action on new projects to overcome barriers to circularity

In 2018, 50 million tons of electronics were discarded at a lost value of $60 billion USD. We can realize the opportunity to change what is a rapidly growing waste stream into raw materials. Bringing the estimated 80% of global electronics which ends up in landfills or hazardous informal processing into the circular economy can play a major role to combat climate change and reduce demand for mined materials. Realizing this will require collective work to break barriers, redefine waste and build new circular supply chains.

New Vision for Electronics
Engages relevant UN entities, governments and multinationals to build alignment around a plan for a circular future of the electronics sector.

World Economic Forum

Global Battery Alliance
Global collaboration platform for a socially responsible, environmentally sustainable and innovative battery value chain.

World Economic Forum

China Secondary Material Flows
Supports effective systems for the integration of recycled materials into electronic products and equipment in China.

World Economic Forum

Capital Equipment Coalition
Manufacturers share progress and insights on replicable practices towards their pledges on value preservation and recovery from their products.

Philips

Circular Economy Approaches for Electronics Nigeria
Financially self-sustaining circular economy approach (including EPR implementation) for Nigeria’s electronics sector.

UN Environment Programme

Scale 360
Global partnership to fast track 4IR innovations for the circular economy through nationally-led innovation challenges.

World Economic Forum
**CHALLENGES FOR CIRCULARITY**

1. **Transparency & Traceability**
   - How can we collect and share material/product data along the value chain in a transparent yet secure manner?

2. **Product design**
   - How can product design deliver on circularity as well as cost and performance?
   - How can circular design practices be shared to accelerate the transition whilst rewarding business innovation?

3. **Sourcing & Manufacturing**
   - How can we encourage the incorporation of recycled content at scale?
   - How can we reduce waste & increase efficiency in manufacturing?

4. **Business Models**
   - How can we encourage keeping older products in use when new ones have improved performance and/or falling prices?
   - How can we increase the financial attractiveness of product-life extension business models?

5. **Collection and reverse logistics**
   - How do we engage and incentivise consumers to properly return or dispose of products?
   - How can legislation encourage greater circular material flows, while safeguarding social justice and safety?

6. **Material Recovery**
   - What is needed to deploy high-quality sorting and recycling infrastructure globally?
   - How can we achieve economies of scale and market competitiveness of secondary materials?

**OPPORTUNITIES FOR LEADERSHIP**

**Develop a decentralised data platform**
Collaborative cross-value chain project to build transparency and trusted data on materials/products (e.g., composition, global flows).

**Enabling circular business models**
Consolidate key success factors and necessary enabling conditions for circular business models to facilitate product value retention.

**Optimise protocols for transboundary movement**
Convene business, government and civil society to optimize policy and protocols enabling responsible transboundary movement for circularity.