

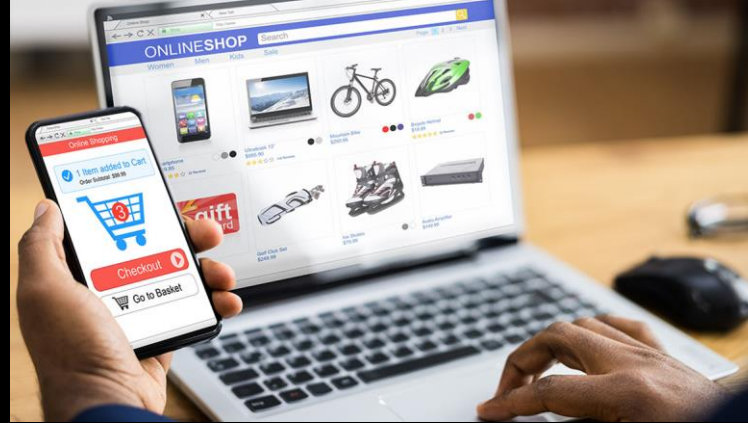
Digital Transformation and Environmental Sustainability

UNEP and CODES



David Jensen
UNEP
Digital Transformation
Coordinator

Why ? Digital technologies are fundamentally changing the way we live, work, learn & relate to each other



Human Behavior
8000 Days
of screen time
21 years of our life

Economic Transactions
60%
of economy passes
through digital channels

Social Relationships
4 Billion
people connected
on social media

10 of the largest technology firms have a market capitalization of 12 trillion
11% of global equity markets and worth the GDP of 150+ countries.

We now stand at a pivotal moment in human history



Green digital future & competitive sustainability

Digital technologies accelerate sustainable production, consumption and a circular economy.



Acceleration of triple planetary crisis

Digital technologies accelerate resource consumption, inequality and social division.

↑ **Two different pathways lie ahead** ↑

How is UNEP responding ?

UN environment programme

2022
Version 1.0

DIGITAL TRANSFORMATION

BECOMING AN INNOVATIVE, AGILE AND COLLABORATIVE ORGANIZATION.
FIT FOR PURPOSE IN THE DIGITAL AGE

THE GLOBAL GOALS

The cover features a blue background with a white UN logo and text. The title 'DIGITAL TRANSFORMATION' is in large white letters. At the bottom, there is a small graphic of the Global Goals and a white footer area.

CODES
COALITION FOR DIGITAL ENVIRONMENTAL SUSTAINABILITY

Action Plan for a Sustainable Planet in the Digital Age

UN environment programme

Umwelt Bundesamt

REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY

futurearth

UN DP

SUSTAINABILITY IN DIGITAL AGE

International Science Council
The global voice for science

United Nations
Office of the Secretary-General's
Envoys on Technology

The cover features a teal-to-blue gradient background with a white graphic of a leaf containing circuit lines. It includes logos for UN, Umwelt Bundesamt, Republic of Kenya, futurearth, UN DP, and International Science Council. The title 'Action Plan for a Sustainable Planet in the Digital Age' is prominent in white text.

Digital Transformation adopted as a core part of our Medium-Term Strategy to address the environmental opportunities & risks presented by Digital Transformation

Harness the power of data and digital technologies to achieve three key goals by 2030:

Achieve climate stability



Live in harmony with nature



A pollution free planet

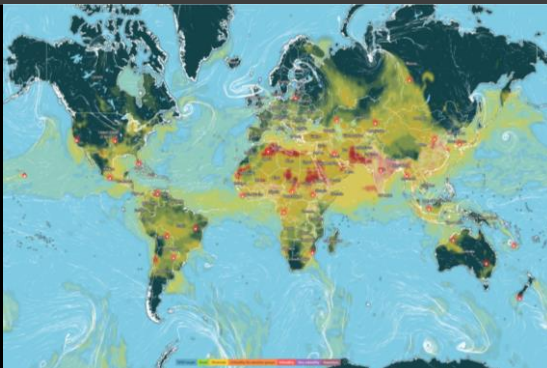


Digital Transformation Subprogram Strategy: 3 core strategic actions



Digital Transformations

1. Digital ecosystem of data and standards for the planet to drive transparency



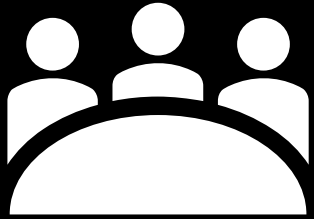
2. Shifting markets, supply chains and consumer behaviours for sustainability outcomes



3. Enabling national development goals with data, digital technologies and innovation ecosystems



Digital Transformation Subprogram will offer four value propositions



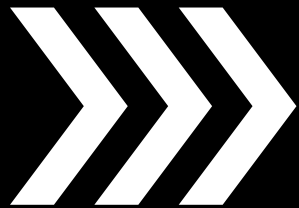
CONVENE

Convene and connect stakeholders to set global vision, agenda and governance frameworks



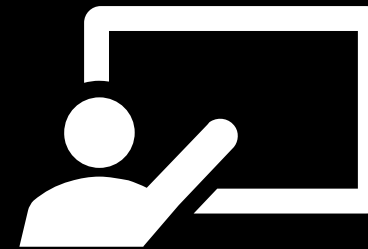
CELEBRATE

Celebrate and showcase best data and digital technologies for environmental solutions



CATALYZE

Catalyze collective action needed for systemic change. Co-innovating, testing and upscaling digital technologies



CAPACITATE

Enhance capacities of governments and civil society to harness data and digital innovation opportunities as well as share lessons learned

How to connect digital transformation and environmental sustainability into a twin transition ?

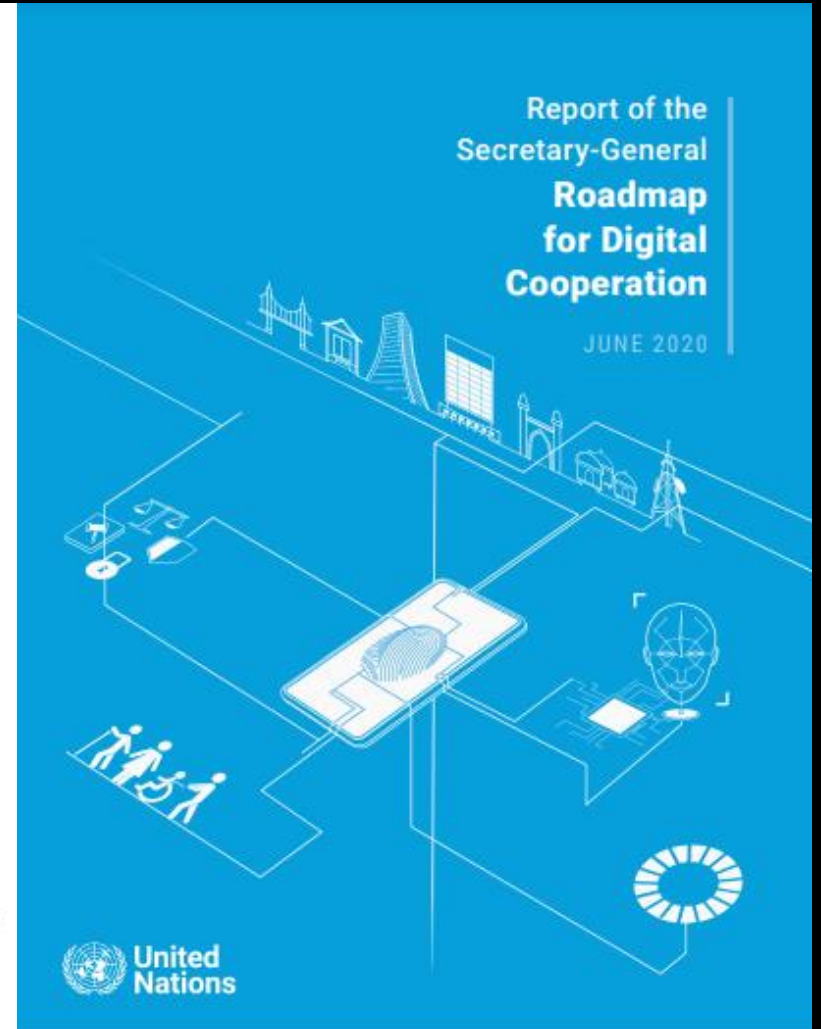
How to achieve environmental sustainability outcomes from digital transformation ?

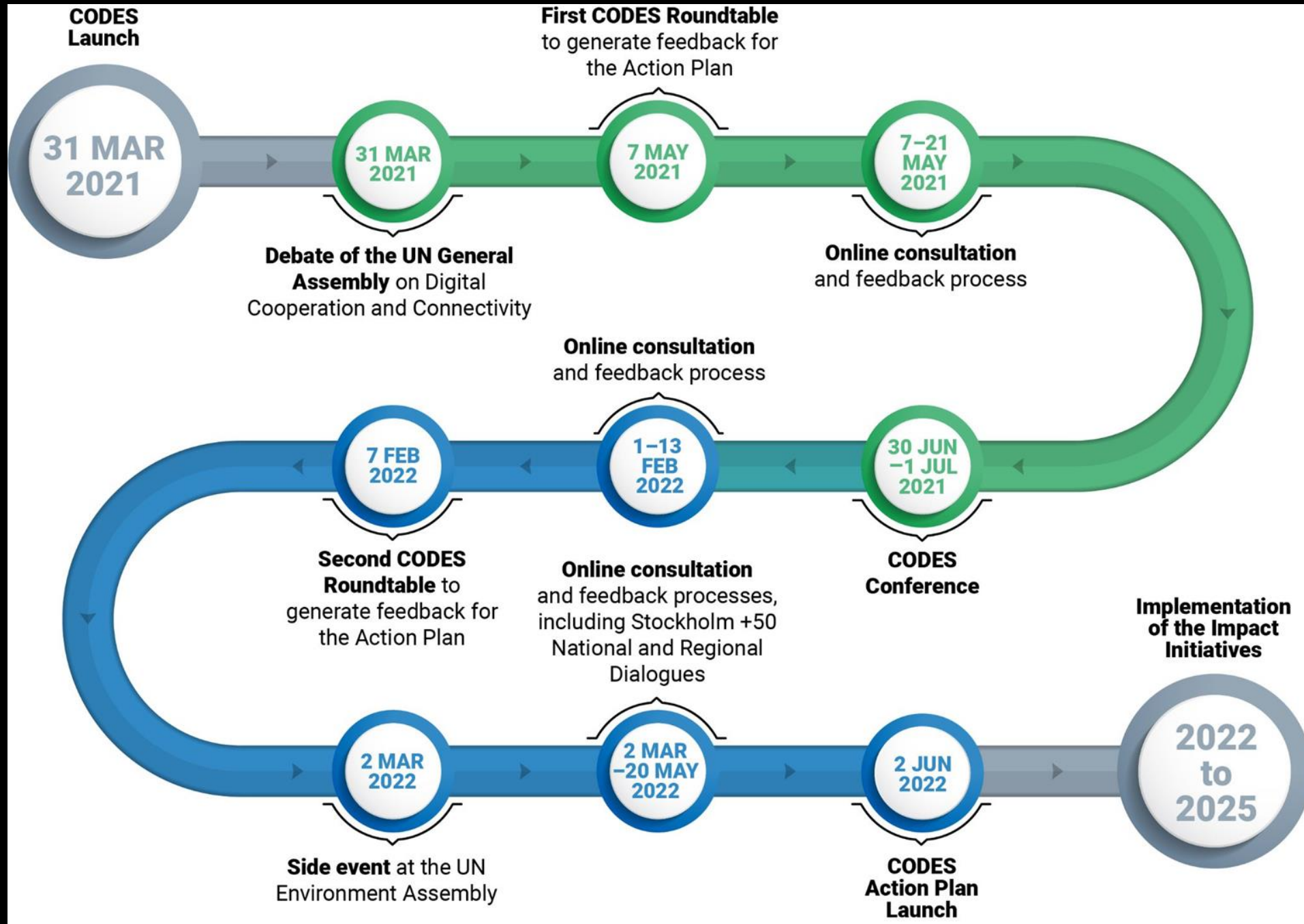


CODES: Transnational, Multistakeholder Coalition to Advance Sustainability Driven Digital Transformation

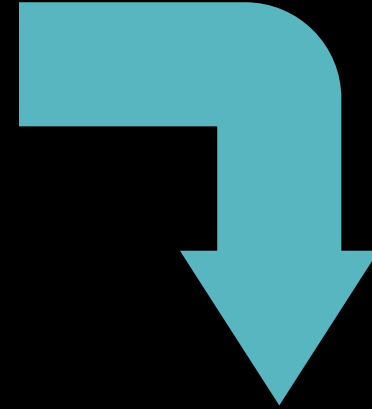
CODES

COALITION FOR DIGITAL ENVIRONMENTAL SUSTAINABILITY





CODES Action Plan for a Sustainable Planet in the Digital Age



1st Flagship Report
co-design with 1,000
CODES stakeholders
from 100 countries
over 12 months

Three systemic shifts needed to advance digital sustainability

1

Enable Alignment

Align the two transitions using various instruments

6

Enablers

2

Mitigate Impacts

Address negative impacts from digitalization

6

Problems

3

Accelerate Innovations

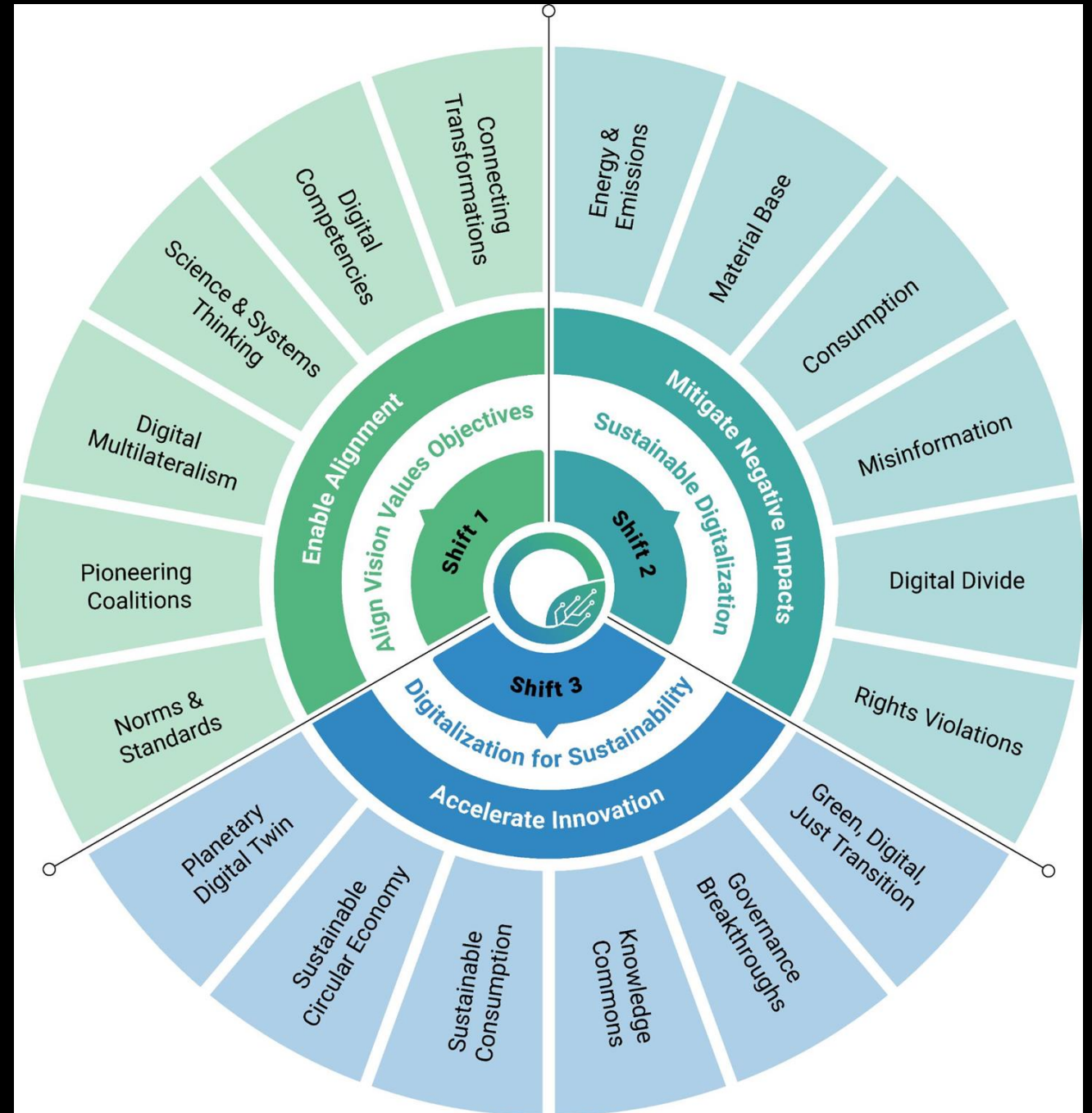
Accelerate digital sustainability innovations

6

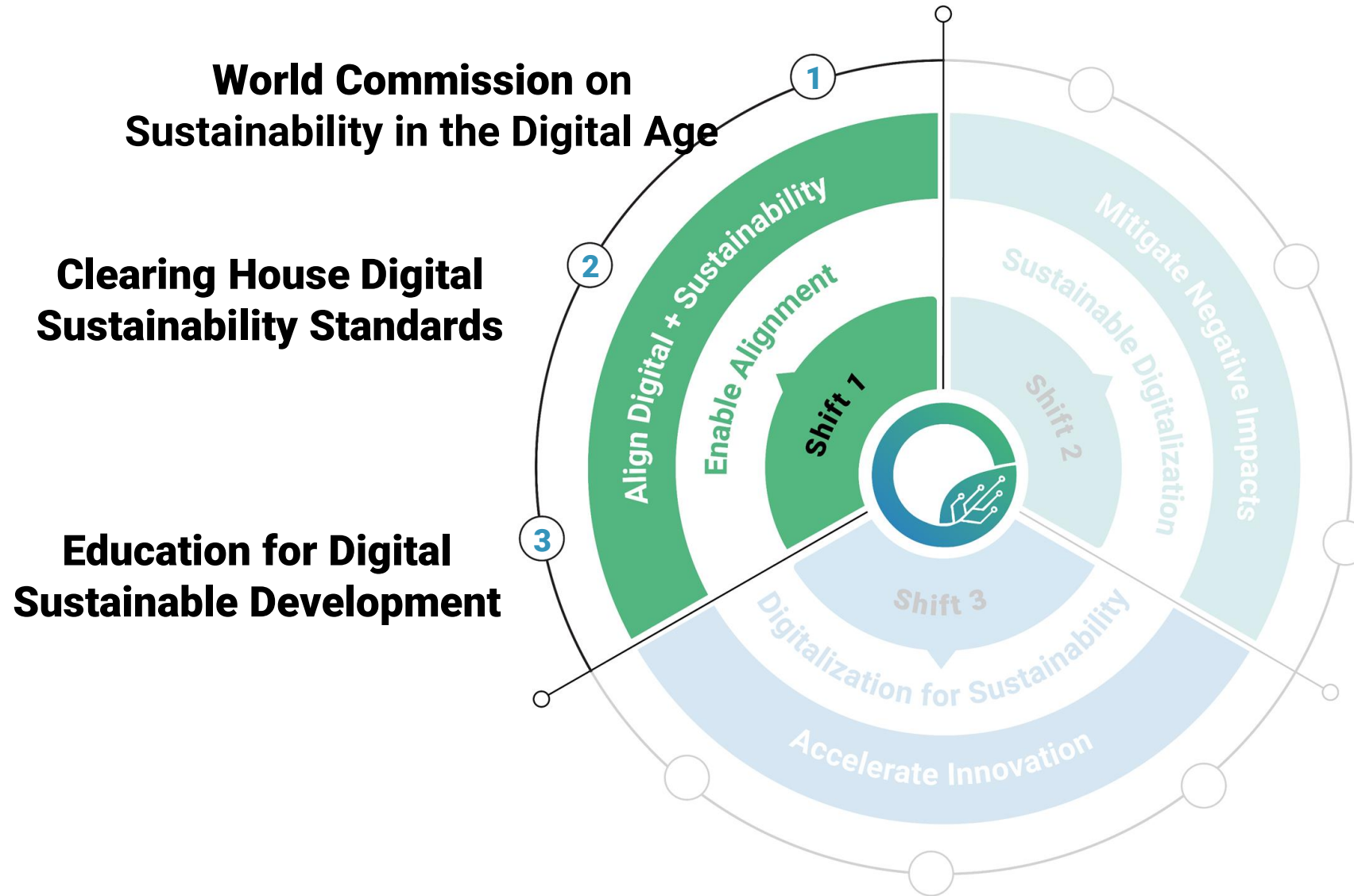
Innovations

9 Global Impact Initiatives
(Multi-stakeholder, systemic transformation goals)

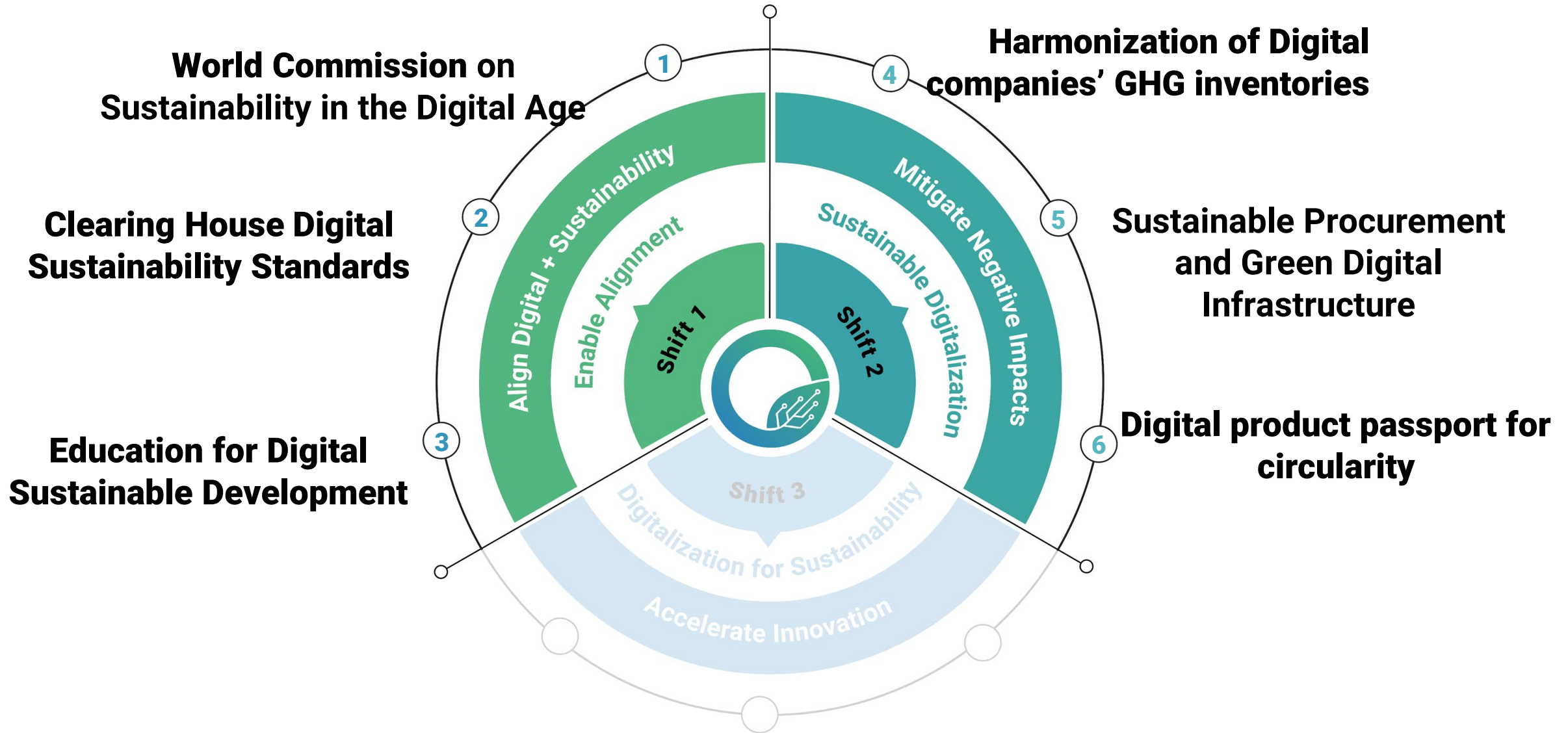
3 Shifts and strategic priorities to achieve a sustainable planet in the digital age



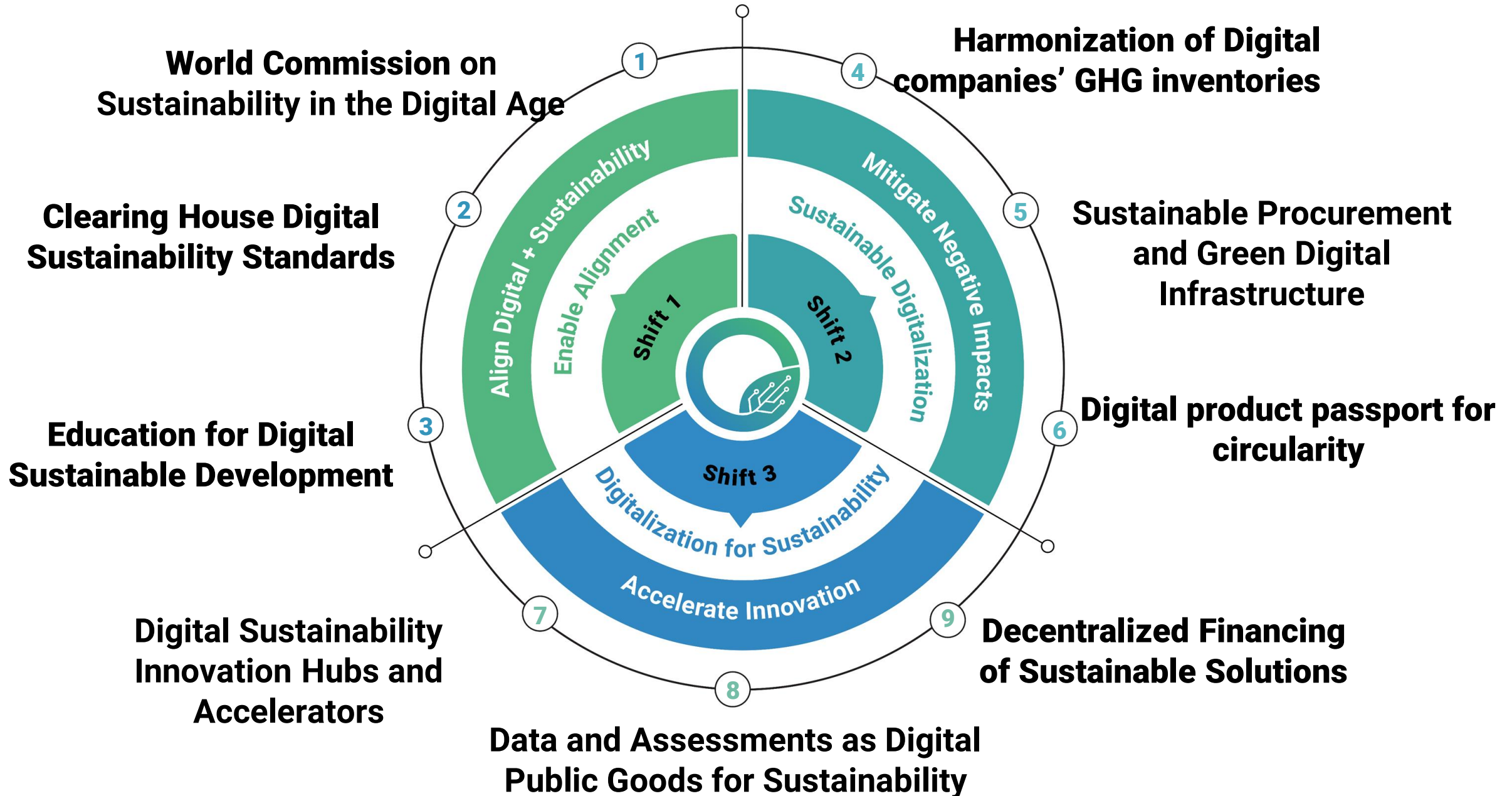
Impact Initiatives for Shift 1



Impact Initiatives for Shift 2



Impact Initiatives for Shift 3



Engagement Pathways

1. Catalyzers of Impact Initiative

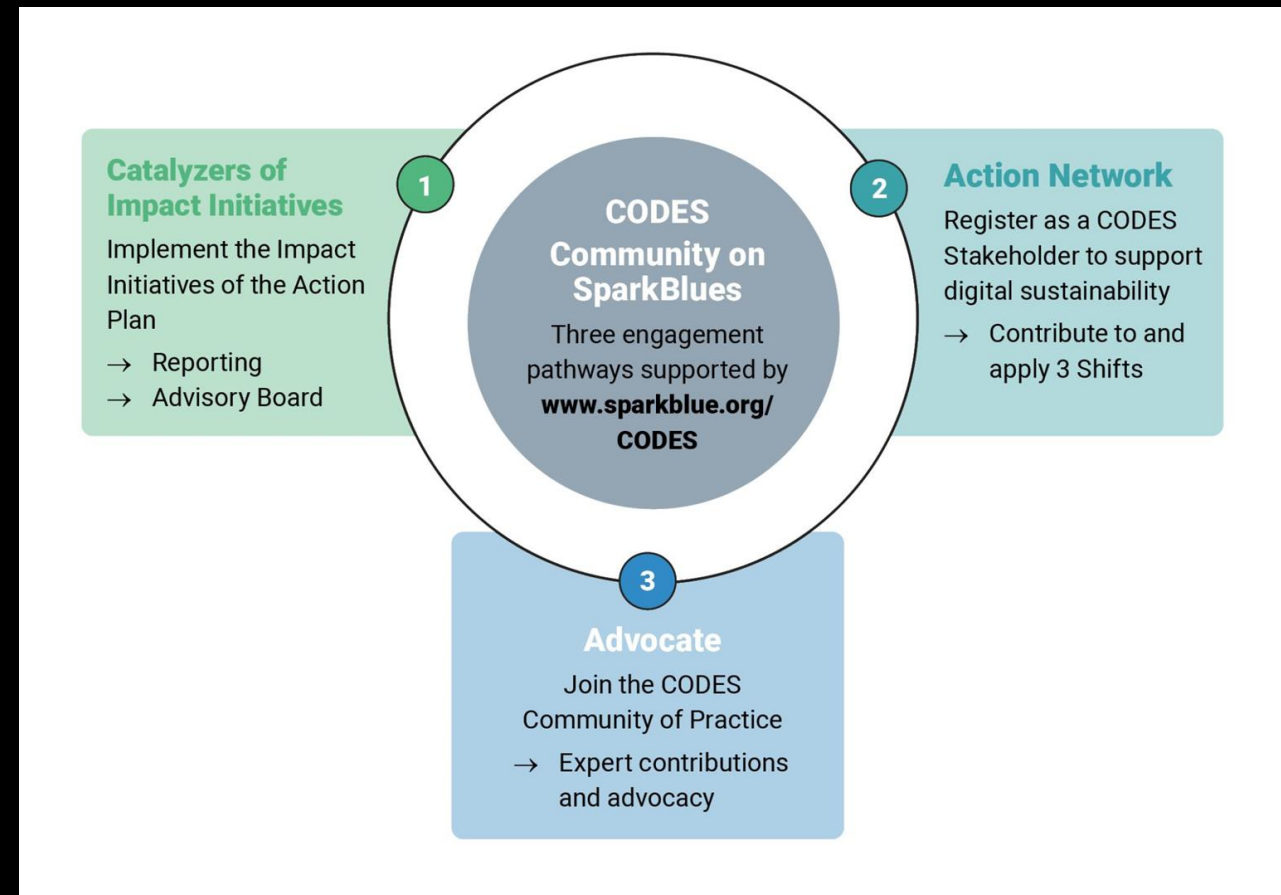
Implement the Initiatives

2. Align action to 3 shifts

Advance the three shifts and priorities through aligned action

3. Advocate for the CODES vision

Contribute expertise and advocate for the vision



www.sparkblue.org/joinCODES