

4th Industrial Revolution: Invitation to Develop a Sustainable Digital Society

Bettina Tratz-Ryan
Research VP

bettina.tratz-ryan@gartner.com

4th Industrial Revolution

Mission: Digital empowers Quality of Life

Broadband Connectivity

Technology Innovation Centers: Blockchain, AI, Green Tech,

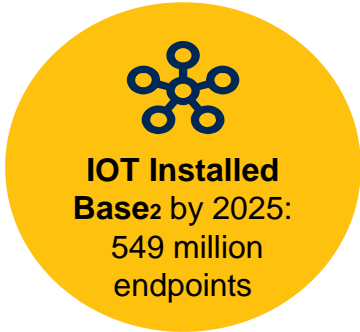
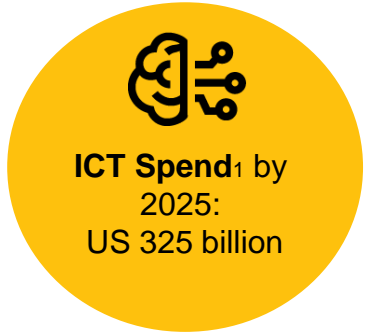
Financial Inclusion for entrepreneurs

Social Pact on Digital Citizen Equity

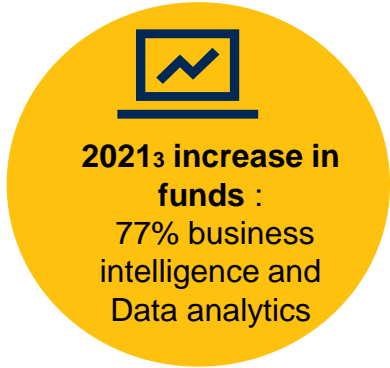
Digital Literacy

Data Law and Ethics

African ICT Investment Opens Windows of Opportunity

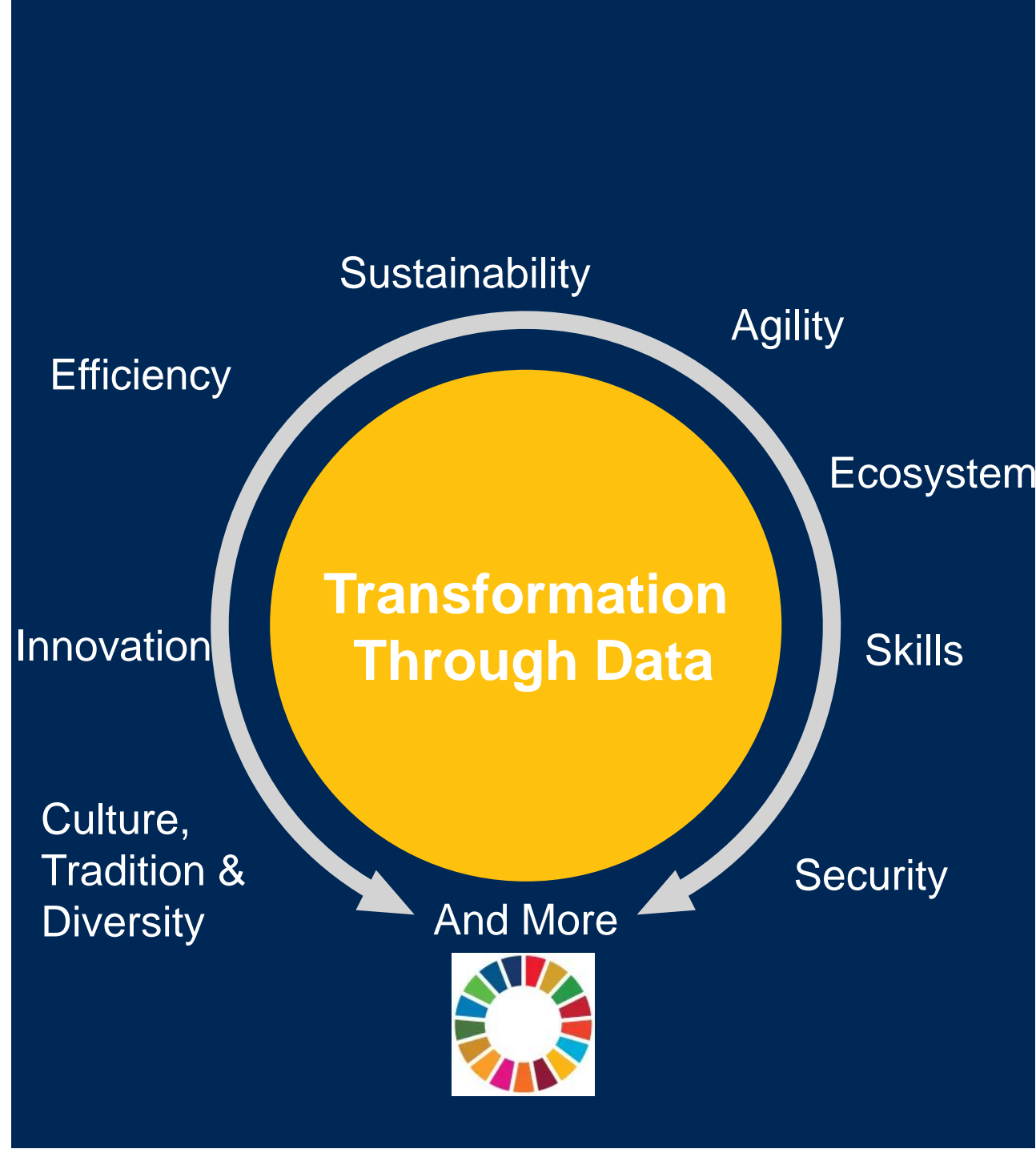


By 2025³, 2/3 of ICT spend will be consumer facing, vs 1/3 B-B.

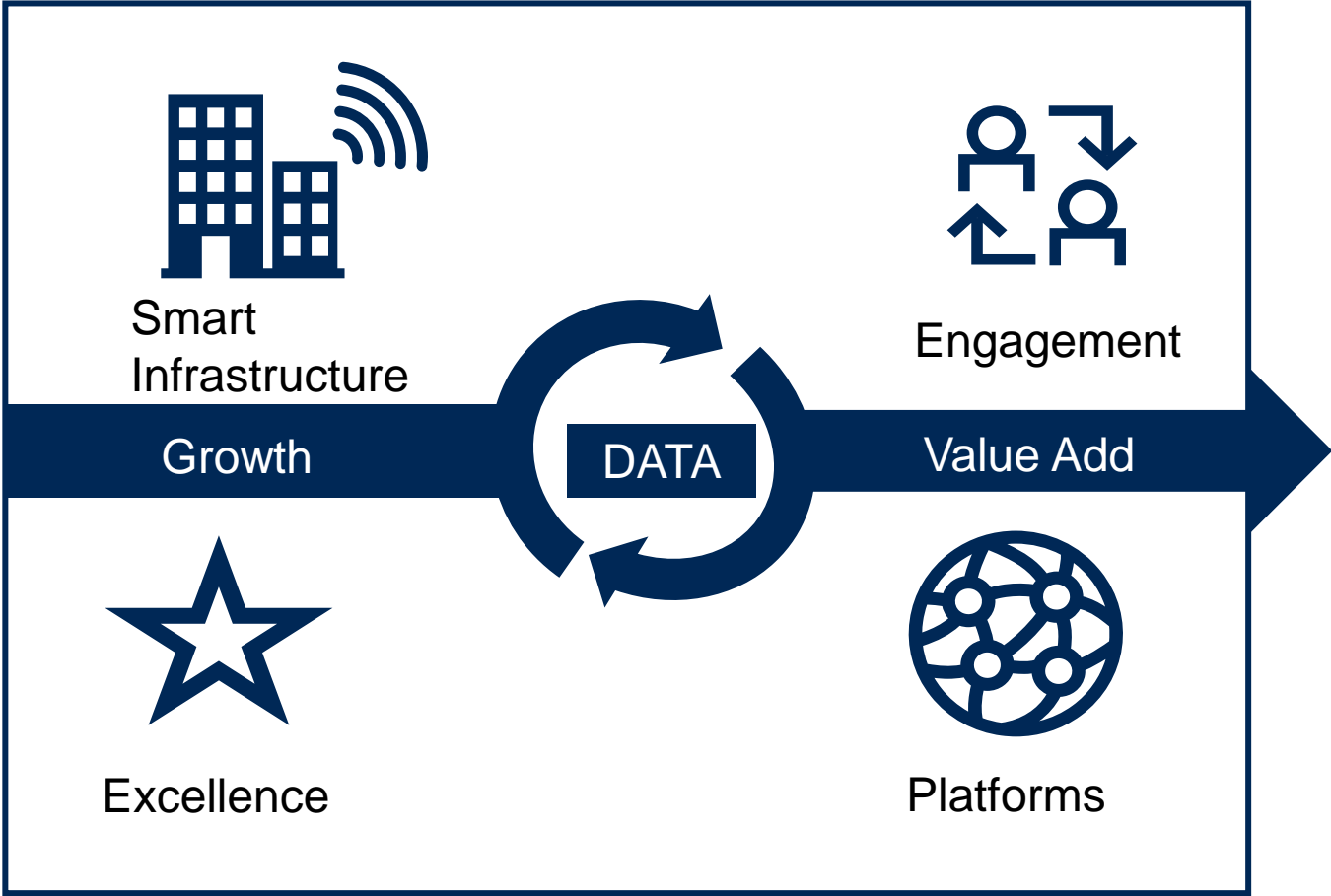


1 Gartner Market Databook 1Q21 Update
 2. Forecast Internet of Things Endpoints and Communications WW 2020-2030, 1Q21 Update
 3. Gartner 2021 CIO Agenda: An Africa Perspective

Public DISTRIBUTION



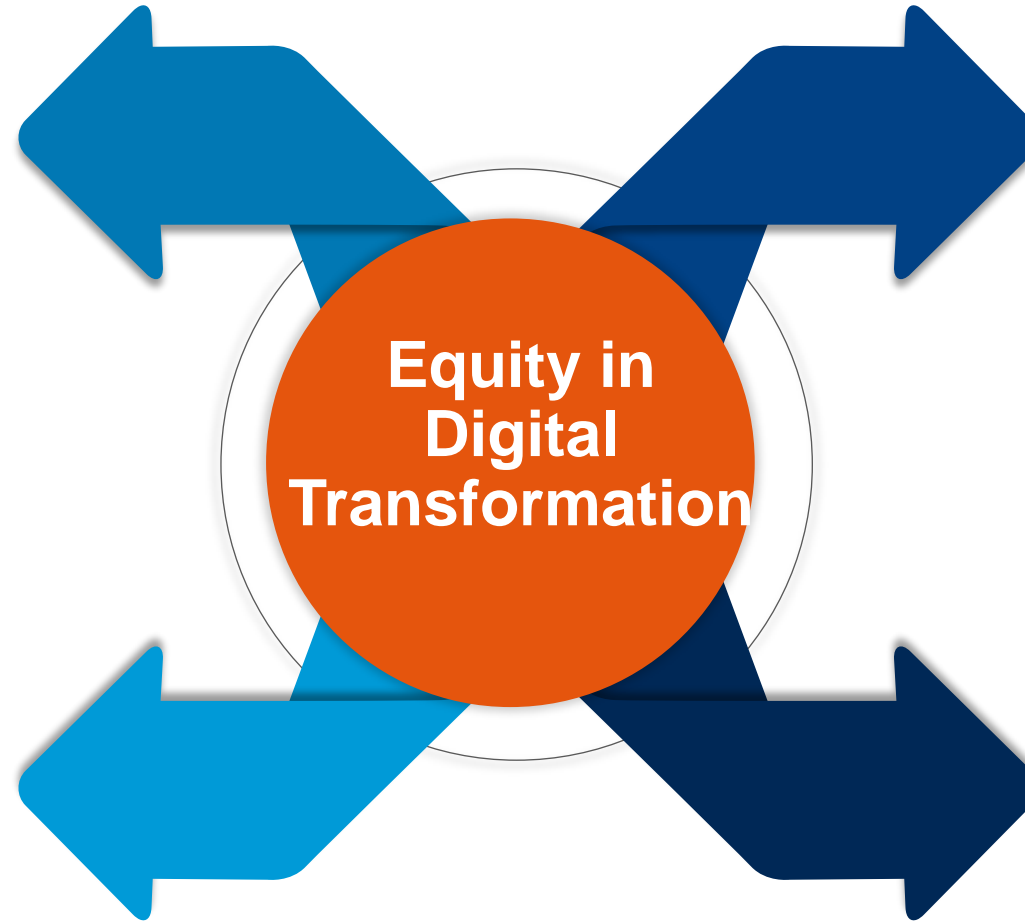
Digital Economy Driving Towards Sustainability



- ✓ Data Driven
- ✓ Location Awareness
- ✓ Digital Equity and Skills
- ✓ Ecosystem Materialization
- ✓ Contribution to SDGs

Smart Communities

- Broadband Delivery
- Multichannel citizen engagement
- Public safety
- Utility, infrastructure and mobility
- Pollution and sustainability goals
- Communal diversity



Innovation

- Green Tech and Clean Tech Technology Programmes
- AI and automated decision making
- Automation & Robotic
- Drones (private/public sector)

Skills and Empowerment

- New Jobs outside of agriculture reducing the informal work environment
- Access to banking, especially mobile money
- Diversity in Start-Ups, SMBs
- Schools Distance learning and education

Entrepreneurship

- Hackathons
- Maker Community
- Intellectual Property Protection
- Tech Labs with Open Source, Universities
- Venture Capital



Call to Action: Build Sustainable Business with Measured Objectives

4th Industrial Revolution:

- Digital Economy
- Industry Transformation
- Digital Equity
- Smart Infrastructure
- Resilience
- Ecosystems



GHG and CO2 Emissions

Data for Ecosystem

Eco Design and Circular Usability

Social Equity

Thank you