



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION
Progress by innovation

UNIDO

Solutions for diversifying economies in a world
of accelerated digitalization





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Who are we?

173
Member
States

UNIDO is a specialized agency of the United Nations (Established 1966, became agency 1985) with a unique mandate to promote, dynamize and accelerate industrial development.



compass.unido.org

UNIDO Priorities

- ▶ Ending Hunger
- ▶ Sustainable Supply-Chains
- ▶ Climate Action
- ▶ Digitalization and AI



~ **680** Ongoing Projects in
120+ countries

\$1.5 billion portfolio

Mandate & Vision

Our mandate is reflected in Sustainable Development Goal (SDG) 9, but UNIDO's activities contribute to all the SDGs.



"The solutions do indeed exist: we just need to get up, get together, and act to make them a reality."

**Gerd Müller, Director
General of UNIDO**

Global Digital Compact (GDC)

Summit of the Future 2024.

Key Objectives

- 01.** Close all digital divides and accelerate progress across the Sustainable Development Goals
- 02.** Expand inclusion in and benefits from the digital economy for all
- 03.** Foster an inclusive, open, safe and secure digital space that respects, protects and promote human rights
- 04.** Advance responsible, equitable and interoperable data governance approaches
- 05.** Enhance international governance of artificial intelligence for the benefit of humanity



UNIDO's contribution to the GDC

UNIDO is co-leading UN efforts on Objective 2 (Digital Economy) and substantially contributing to Objective 5.

Challenges

2.6 billion

people worldwide remain unconnected to the internet

264 mil.

Fewer women than men are online

18%

Only around 18% of devices in Africa are smartphones.

Opportunity

60%

With over 60% of Africa's population under 25, digital education and entrepreneurship can transform youth into a force for industrial innovation.

Source: ITU, GSMA, UNECA

GDC Objective 2

Proposal for a Comprehensive Multi-Track Strategy

To expand inclusion in and benefits from the digital economy for all

Track 1: WGDТ Mapping + Gap Analysis



1 - Gap Analysis

Track 2: Fast-Track Demonstration of Scalable Solutions and Existing Initiatives



2 - Fast-Track Demonstrations

Track 3: Development of Solutions based Initiatives and Programmes
Aligned with Specific Commitments



3 - Solution based Initiatives

Track 4: Deeper Analysis, Development and Launch of Programmatic Support Proposals



4 - Programmatic Support

UNIDO AI, Innovation, Digital Transformation Framework

UNIDO's Efforts in AI, Innovation, and Digital effectively scale and address Global Digital Compact Objectives

01. Thought & Normative Leadership

- Align UNIDO with the GDC Objectives, Objective 2
- Identify trends to establish normative leadership and guide policy on AI innovation and digital ecosystems.

02. Global Leader and Convener of AI-driven & sustainable industrial transformation

- Identify and manage strategic AI, innovation, and digital partnerships for TC programs.
- Facilitate a High-level Advisory Body on AI-driven Industrial Transformation.

03. UNIDO Programmes:

AI4Industry - Driving AI Adoption in Industrial Development for Member States

Innovation4Industry - Scaling Innovation and Solutions

Digital4Industry - Enabling Digital Economy & Transformation across Sectors & Divisions



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IMPACT



Encouraging Multi-Stakeholder Collaboration

Empowering SMEs, startups through Centres of Excellence



Enhancing Digital Skills for Economic Growth and Workforce Empowerment

Support Digital Public Infrastructure and Supply Chains



Hol

AIM Global

AI for Industry & Manufacturing



Fostering collaboration with industry partners to help bridge the digital and AI divide, thereby advancing the achievement of the Sustainable Development Goals (SDGs).

How do we accomplish this?

01. Global Policy Development (GDC, G20 DEWG, BRICS, WSIS/UNGIS)

- **Research & Development of AI** technologies
- **Development & promotion of ethical guidelines** for the use of AI in industry and manufacturing.
- **Policy recommendations** to Member States

2. Partnerships & Convening Platforms

- **Promotion and adoption of best practices** of the use of AI, implementing joint projects



**100+ MEMBERS &
PARTNERS**

Regional Chapters:



AFRICAN CHAPTER

- **Raise awareness of Industry 4.0** technologies across the continent.
- **Foster collaboration** within the smart manufacturing ecosystem (governments, industry, academia, etc.).
- **Drive adoption of advanced technologies** in manufacturing sectors.





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ScaleX: Open Innovation Platform

We design and scale solutions for the
SDGs



Turning Innovation into Impact: A Structured Pathway

1. Global Innovation Challenges

Find and fast-track startups tackling the world's most pressing, sustainability challenges.

2. Testbeds and Venture Clienting

Turn innovation into real-world results through validation, feedback, investment and first customers.

3. Scaling & Policy Learning

Help proven solutions scale by removing policy roadblocks and expanding market access.



Winner 2024

Prize: Food Loss & WFF Startup
Innovation of the Year

Sample Projects:

Centre of Excellences: Example in Ethiopia and Belarus



Ethiopia: Provision of public digital infrastructure:

- Servers
- Accelerators
- Databases for information gathering, sharing, and sector assessment

Similar approaches tested in Belarus:

- Shared services center
- Advanced machinery provision
- Booking and testing platform for specialized equipment in smart manufacturing

Project: Industry 4.0 to foster youth employment in Tunisia and Côte d'Ivoire - Key Initiatives and Projects

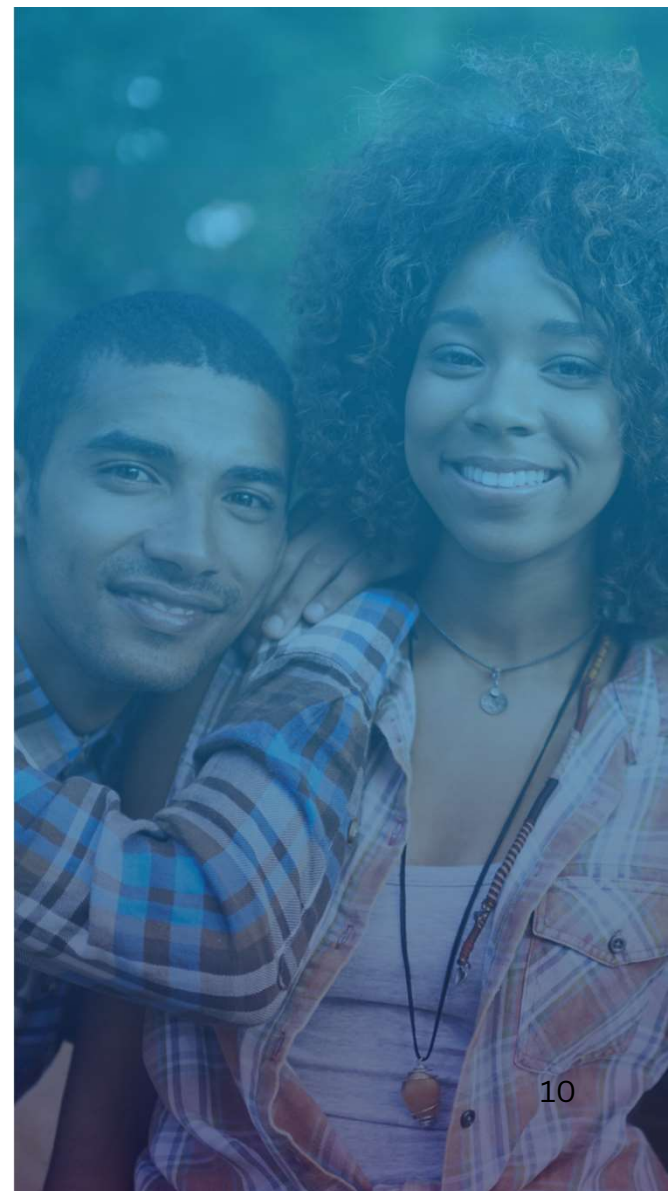


01. Industry 4.0 Ecosystem Mapping:
Comprehensive assessment

02. Awareness & Capacity Building:
Workshops for agro-food and ICT sectors, engaging 100+ participants.

03. Smart Factory Initiative:
Collaboration with the Institute for Entrepreneurship Partnerships with universities

04. Policy Development:
Establishment of a coordination platform to guide Industry 4.0 policy.





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