



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



**SUSTAINABLE DEVELOPMENT GOAL 9**  
INDUSTRY, INNOVATION AND INFRASTRUCTURE

# Fostering Inclusive and Sustainable Industrial Development:

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## ICT4SDG Regional Initiatives

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# Facts & figures about UNIDO

- Established in 1966, **specialized agency** of the United Nations since 1986
- **170 Member States**
- 666 staff and 1,462 consultants (Dec. 2018)
- Mission (Lima Declaration, 15<sup>th</sup> session of the UNIDO General Conference in 2013): *to promote and accelerate **inclusive and sustainable industrial development (ISID)** in developing countries and economies in transition*
- UNIDO's mandate is fully recognized in **SDG-9** "Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation"
- UNIDO is currently implementing a portfolio of **782** (Dec.2017) projects with total programmable resources of **\$450 million** (2018)



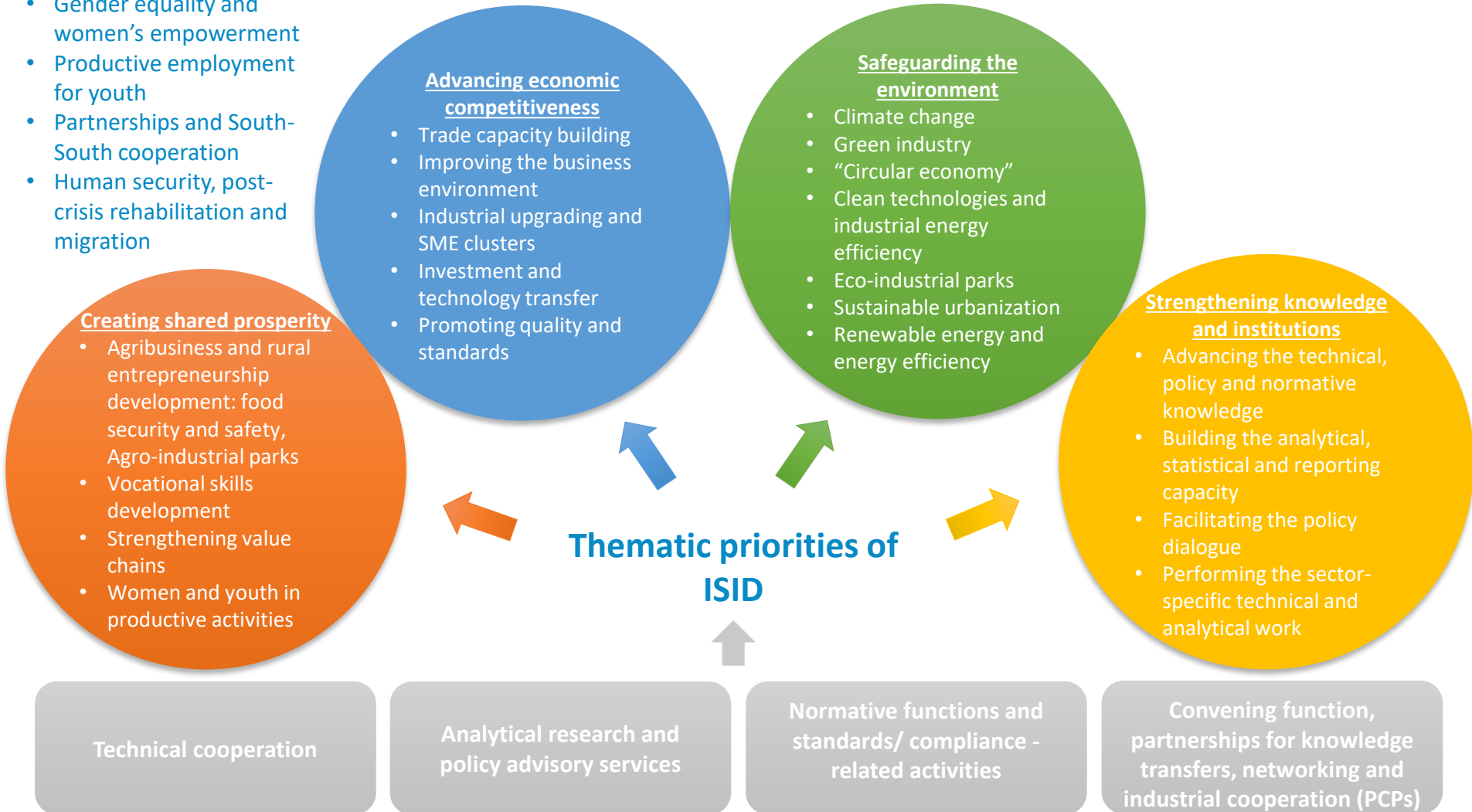


# Inclusive and Sustainable Industrial Development (ISID)

- Every country achieves a higher level of **industrialization** in their economies, and benefits from the globalization of markets for industrial goods and services
- **No one is left behind** in benefiting from growth, and prosperity is shared among women and men in all countries
- Broader economic and social growth is supported within an **environmentally sustainable** framework
- The unique knowledge and resource of all relevant development actors are combined to maximize the development impact of ISID

**Cross-cutting priorities:**

- Gender equality and women’s empowerment
- Productive employment for youth
- Partnerships and South-South cooperation
- Human security, post-crisis rehabilitation and migration





# UNIDO and the SDGs



**UNIDO's mandate for ISID is instrumental for the achievement of all SDGs**

# Industry 4.0 and the SDGs

## 4<sup>th</sup> INDUSTRIAL REVOLUTION



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



## INDUSTRY 4.0

The **Fourth Industrial Revolution** describes a technologically driven paradigm change that affects all spheres of life.

**Industry 4.0** represents the economic point of view, focusing on industry, manufacturing/production.

### Four thematic areas:

- Smart agrofood
- Smart energy
- Smart circular economy
- Smart manufacturing



# Information and Communication Technologies

- ICT presents a great potential for industrial development in the context of the 4IR, however
  - in most developing countries, the SME sector is suffering from inadequate ICT access
  - ICT penetration is low, expensive and ICT services are not provided in an integrated manner
- UNIDO partners with both private-sector stakeholders, such as Microsoft and HP Inc., and international organizations to boost the development of ICT worldwide
- In 2017, UNIDO and ITU signed a Joint Declaration “**on the advancement of the 2030 Agenda for Sustainable Development, in particular industrialization, infrastructure development and innovation**”

# Examples of UNIDO projects: Application of 4IR Technologies



## URUGUAY

**Industrial automation and mechatronics centre**



## GHANA

**Block chain application on traceability of cocoa**



## GHANA

**Vision identification for inspection of wood**



## MOZAMBIQUE

**Facial recognition for E-vouchers for small-scale farmers**



A grayscale photograph of two hands cupping a small globe of the Earth, symbolizing care and support for the planet.

# Initiatives in the region of Europe and Central Asia



# UNIDO as a Platform to Promote Women's Economic Empowerment and Entrepreneurship

- **Objective of the project:** to utilize UNIDO's networks and technical expertise to support women's economic empowerment and entrepreneurship
- **Donor:** Government of the Russian Federation
- **Activities:**

Side events and panel sessions at the Saint Petersburg International Economic Forum (SPIEF) 2017, 2018, 2019

Eurasian Women's Forum 2018

Appointment of Ms. Veronika Peshkova as UNIDO Goodwill Ambassador



Panel discussion on women's entrepreneurship and economic empowerment in the context of digitalization at GMIS 2019 in Yekaterinburg



# Regionally focused online training course “Digital Skills for Women Entrepreneurs”

**Objective:** to help women acquire the necessary technical knowledge and skills and allow them to access new market opportunities in the environment of rapid digitalization.

The course will support women in launching, running and expanding successful modern businesses with the help of ICT.

## Characteristics:

- Easily accessible and friendly space for women of all ages and backgrounds
- Region of Russia, Europe and Central Asia (Russian + English languages)
- Role of ICT in entrepreneurship and industrialization with showcasing success stories and best practices with the regional focus



## Preliminary modules to be included:

1. Basics of digital technologies
2. Digital project management
3. Digital marketing
4. Social media marketing
5. E-mail marketing and clients' feedback
6. CRM and client database
7. Corporate and personal brand
8. Website performance monitoring
9. E-commerce
10. Digital finance
11. Cybersecurity
12. Online business reputation



# UNIDO global forum events in 2019

## GMIS

Global Manufacturing &  
Industrialisation Summit

**9-11 Jul. 2019**

**Yekaterinburg, Russia**

## BRIDGE FOR CITIES 4.0

Belt & Road Initiative:  
Connecting Cities through  
the New Industrial Revolution

**3-4 Sep. 2019**

**Vienna, Austria**



**GENERAL CONFERENCE**  
**FOCUS ON INNOVATION**  
**INDUSTRY 2030 – INNOVATE.**  
**CONNECT. TRANSFORM OUR**  
**FUTURE.**

**3-7 Nov. 2019**

**Abu Dhabi, UAE**





**Thank you for your attention...**

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