

Putting the SDGs in context



Club of Rome: Vision 2050 9 billion people achieving 17 SDGs within Earth's 9 Planetary Boundaries with world's resources owned and controlled by a balanced, diverse and representative group of peoples



Source: Courtesy of Johan Rockström (2018)

Achieving SDGs 1-10 by 2030 will take nearly 3 planets – ONLY ONE PATH LEFT to achieve sustainability by 2050

TRANSFORMATIONAL STRATEGIES



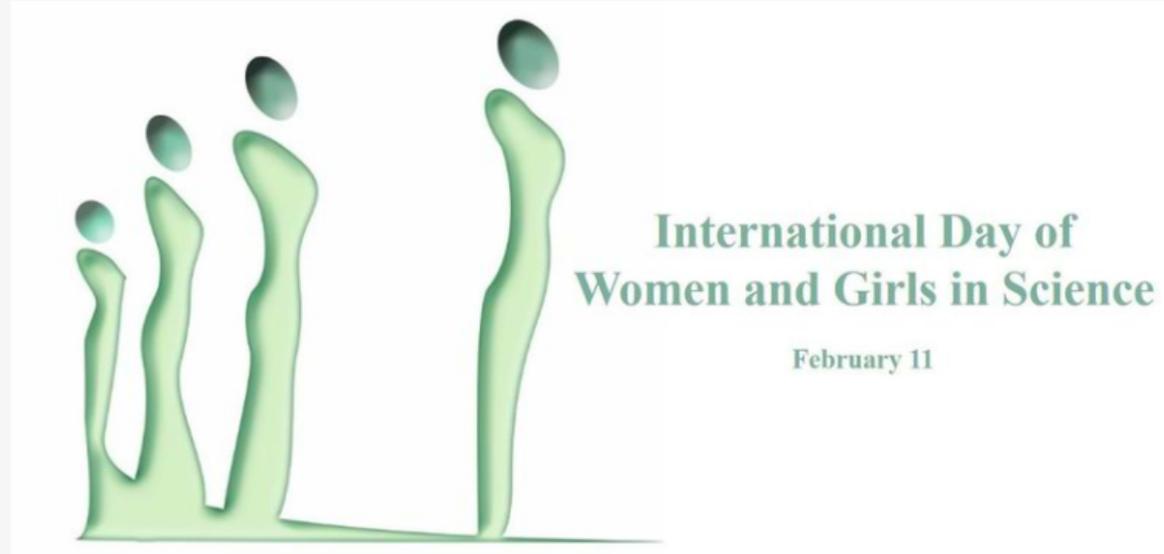
1. Accelerated renewable energy growth:
 - halving emissions every decade from 2030 on
2. Accelerated productivity in food chains:
 - +1% p.a. better productivity
3. New development models in developing countries:
 - copying features of S-Korea, Chinese, Ethiopian successes
4. Active inequality reduction:
 - ensuring 10% richest < 40% of income
5. Investment in education, gender equality, family planning, health stabilizing the world population

Females in Science can accelerate achieving the SDGs

Secure | https://equalitymoonshot.metameetings.net/events/idwgis2019/general_signin

Equality Moonshot

*The 4th International Day of Women and Girls in Science
11-12 February 2019 • United Nations Headquarters in New York*

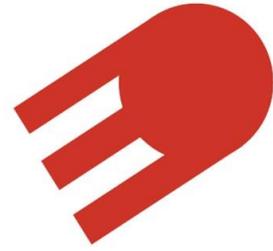


Please register below to view selected presentations and webcasts from the The 4th International Day of Women and Girls in Science presented by The Royal Academy of Science International Trust (RASIT) on Feb 11-12, 2019. After registering, you can return to this Website by just entering your email address on the right. Thank you very much for joining us.

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NUMBERS TELL THE STORY



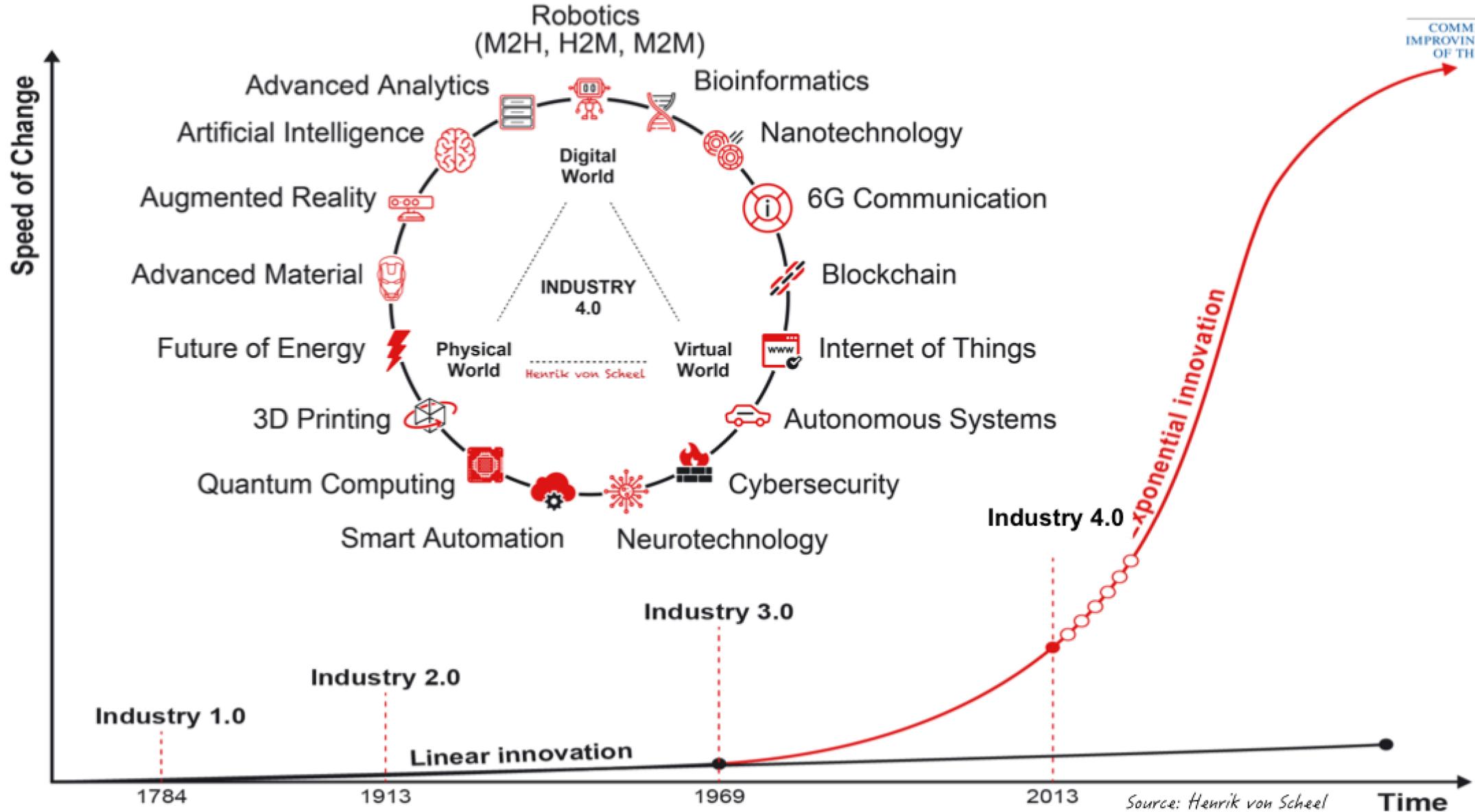


EQUALITY
MOONSHOT

Females capturing at least 30% of the investments
and wealth created in the next two decades
as governments and businesses spend
trillions to achieve the SDGs ...

ensures world's resources will be owned by a balance, diverse
and representative group of peoples which enables
9 billion people to achieve 17 SDGs within Earth's limits by 2050

Example: 4IR Technologies From Linear to Exponential



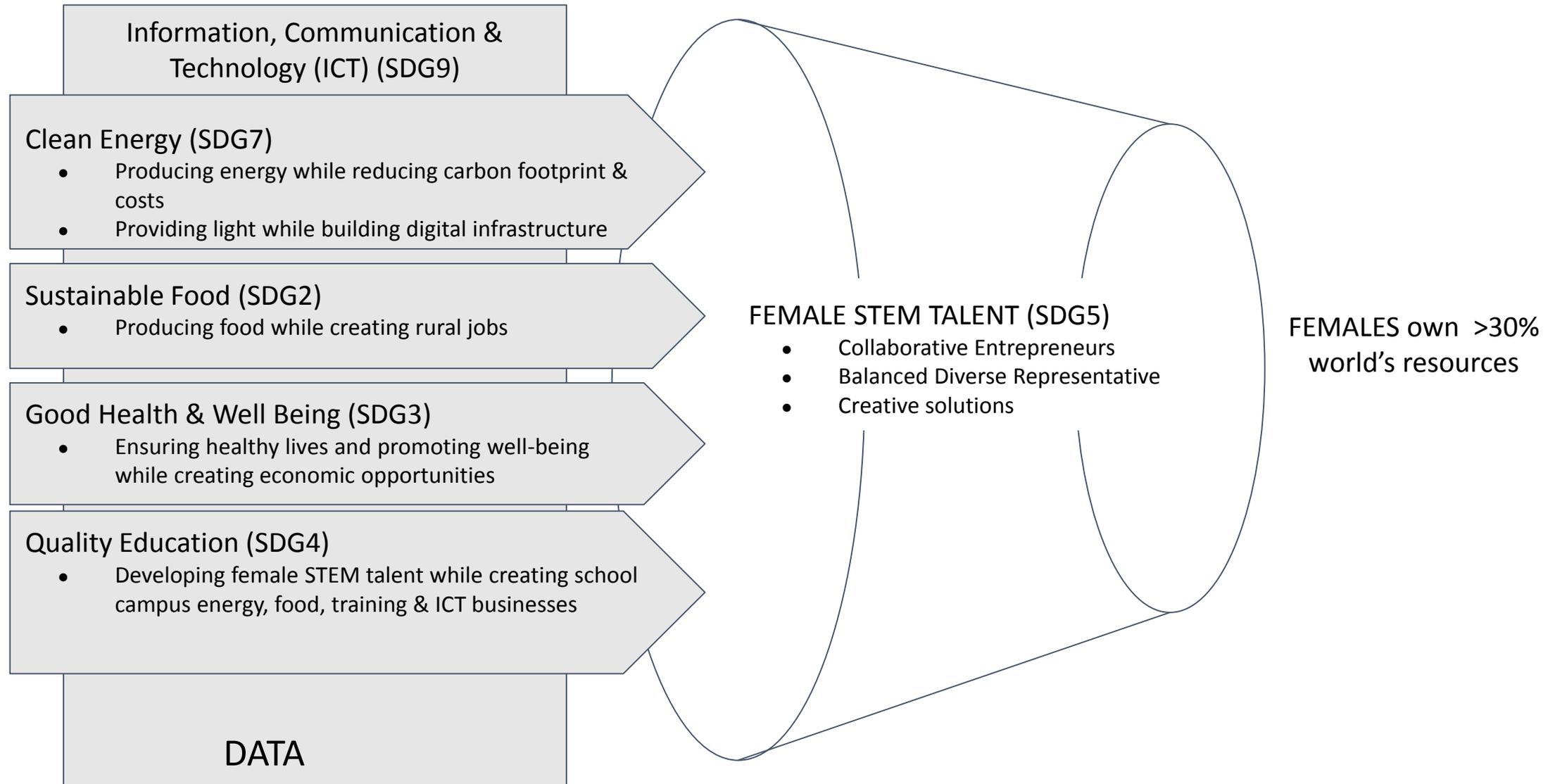
4IR tech in top SDG markets will generate significant wealth

Need more females in these to accelerate achieving SDGs

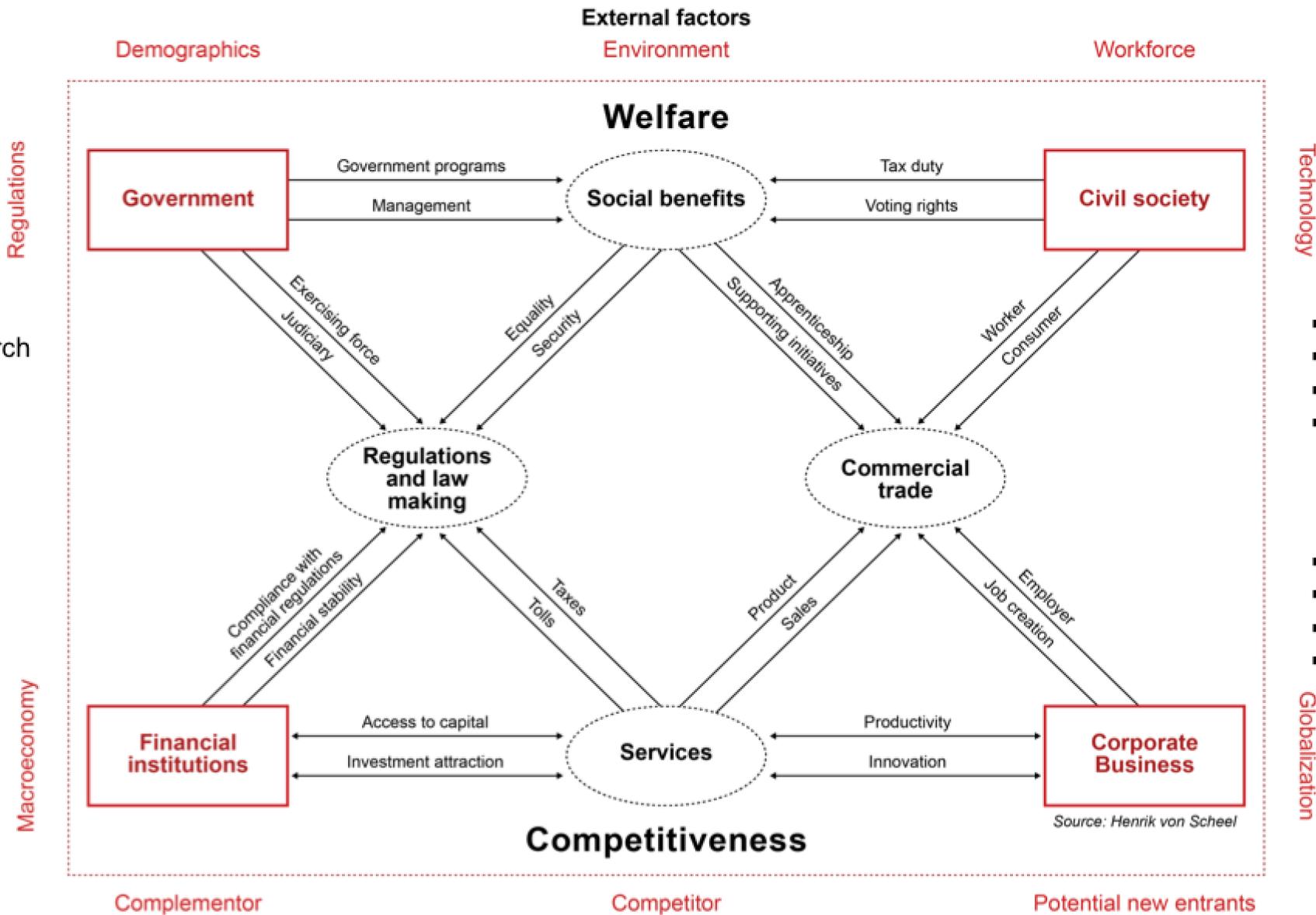
We identified 60 SDG-related business opportunities in the four systems

 Food and agriculture	 Cities	 Energy and materials	 Health and well-being
Reducing food waste in value chain	Affordable housing	Circular models - automotive	Risk pooling
Forest ecosystem services	Energy efficiency - buildings	Expansion of renewables	Remote patient monitoring
Low-income food markets	Electric and hybrid vehicles	Circular models - appliances	Telehealth
Reducing consumer food waste	Public transport in urban areas	Circular models - electronics	Advanced genomics
Product reformulation	Car sharing	Energy efficiency - non-energy intensive industries	Activity services
Technology in large-scale farms	Road safety equipment	Energy storage systems	Detection of counterfeit drugs
Dietary switch	Autonomous vehicles	Resource recovery	Tobacco control
Sustainable aquaculture	Internal combustion engine vehicle fuel efficiency	End-use steel efficiency	Weight management programs
Technology in smallholder farms	Building resilient cities	Energy efficiency - energy intensive industries	Better disease management
Micro-irrigation	Municipal water leakage	Carbon capture and storage	Electronic medical records
Restoring degraded land	Cultural tourism	Energy access	Better maternal and child health
Reducing packaging waste	Smart metering	Green chemicals	Healthcare training
Cattle intensification	Water and sanitation infrastructure	Additive manufacturing	Low-cost surgery
Urban agriculture	Office sharing	Local content in extractives	
	Timber buildings	Shared infrastructure	
	Durable and modular buildings	Mine rehabilitation	
		Grid interconnection	

Example: BPW Int'l STEM Task Force



Interconnections & Interdependencies Provide Collaboration Roadmap



- Trade
- Stability
- Regulations
- Political Risk
- Academic Research
- Logistic
- Transport
- Communication

- Labour force
- Foreign Workforce
- Specialize Skills
- Future talent

- Attractive Taxation
- Economic Free Zone
- R&D Funding
- Access to Financing

Recommendations for STI Forum

- EVERY STI Forum related event, all panels including side events, should be at least 30% female in speakers/panelists and invitees/audience
- ALL STI Forum inputs & outputs (pre-reading, presentations, outcome documents, etc.) should include a gender lens. Even determining that no gender info is available is helpful. Leverage interest in STI to educate all STI participants (speakers & audience) and observers and raise awareness of gender impacts
- Make “Educating girls” a priority to not only address climate change but also achieve the SDGs
- Show female STI role models and directly connect STI to improving lives to attract more females to STEM degrees and careers
- COLLABORATE & PARTNER, SDG17!!! Promote gender private sector collaboration platforms like ITU’s EQUALS, UN Global Compact Women Empowerment Principles, ITC’s Sourcing from Women Vendors, HeForShe, www.sheheroes.org, etc. Together we can do more!