

Launch of Technology Development and Transfer Network Program

Panelist

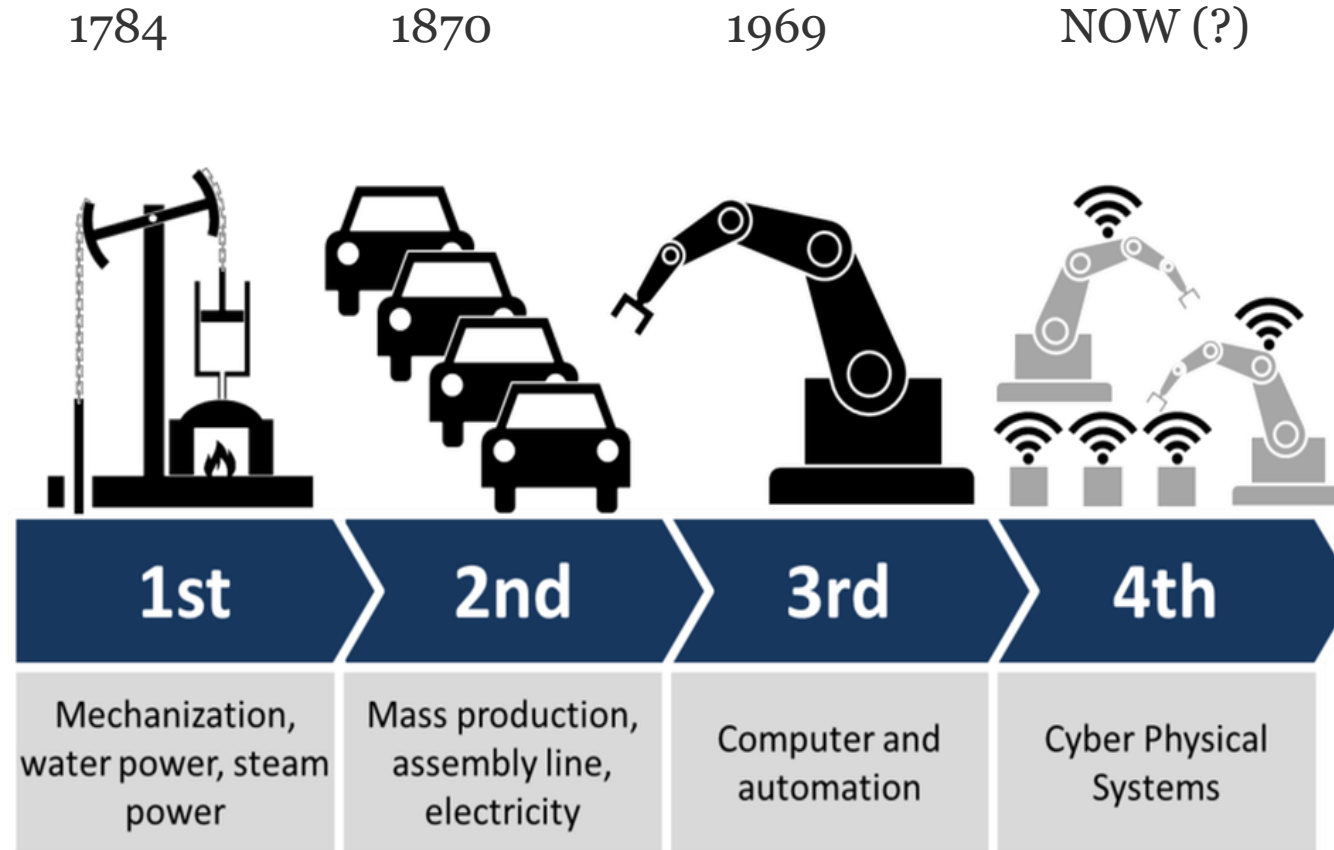
Prof Charles G. Kwesiga

Executive Director, UIRI.

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The 4 Industrial Revolutions

Stages of industrial development and
sequential industrial revolutions

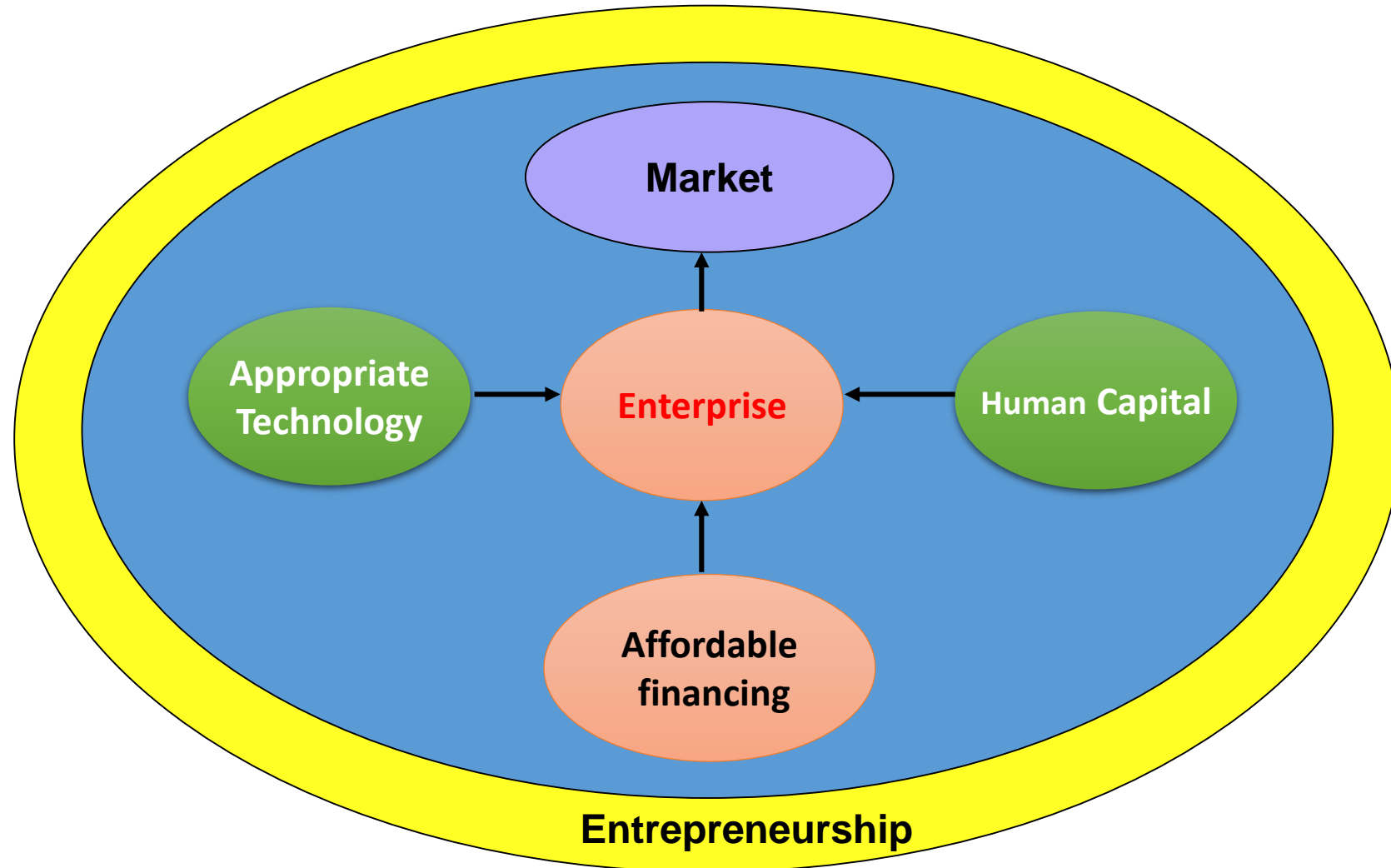


Global ranking of HDI

(another reality check – how is our region doing?)

Country	Rank	HDI	GNI @ Capita (PPP \$) SDG
Uganda	159	0.544	2,123
Rwanda	160	0.543	2,155
Tanzania	163	0.529	2,600
South Sudan	185	0.433	2,003
Kenya	143	0.601	4,244
Congo (DRC)	175	0.480	1,063

Pillars of industrialization



To mitigate the above, UIRI's mandate is as follows:

To undertake applied research and to develop and/or acquire appropriate technology in order to create a strong, effective and competitive industrial sector in Uganda.

MISSION: To catalyse the socio-economic transformation of Uganda and the region through enhanced technology use

VISION: To be a model institution in applied research and technology sourcing as vehicles for incubation of industry and also to pioneer self financing Research and Development (R&D).

The latter can be achieved by developing capacity to engage in **contract research** (e.g. DTI (Danish Technological Institute), SIRIM (Standards and Industrial Research Institute of Malaysia)).

Core activities at UIRI

- Establish platforms for value addition and product development
- Technology development; Technology Transfer and Diffusion; and designing optimal industrial processes.
- Assist entrepreneurs in managing enterprises
- Analytical laboratories (microbiology, biotechnology; and industrial chemistry) engage in product analysis and product development
- Business Incubation
- Guiding industrialization process regionally (EAC)

UIRI's ED receives a plaque of **Centre of Excellence**
from H.E. Uhuru Kenyatta



Speke Resort Munyonyo December 2013

UIRI's operational paradigm

(based on Isaiah Berlin essay, "The hedgehog and the fox")

Hedgehog



Building
Large enterprises



Supporting
SMEs

Fox



The hedgehog views the world through the lens of a single defining idea (Plato, Dante Alighieri, etc.) UIRI strives to support big business or at least aspires to grow start-ups so that they can scale-up their operations.

The fox draws on a wide variety of experiences and for whom the world cannot be boiled down to a single idea. (e.g. Herodotus, Aristotle, William Shakespeare)
UIRI support the dual objectives of raising household income and eradicating poverty through value addition.

Innovation defined

We cannot solve our problems with the same thinking we used when we created them.

By Albert Einstein

“Innovation is the unrelenting drive to break the status quo and develop anew where few have dared to go.” ***Steven Jeffes, Marketing & Business Expert***

“Innovation is seeing what everybody has seen and thinking what nobody has thought.” ***Dr. Albert, Szent-Gyorgyi***

“Innovation means replacing the best practices of today with those of tomorrow.” ***Paul Sloane***

Individually, we are one drop. Together, we are an ocean. Ryunosuke Satoro.

Namanve Manufacturing and Machining Center

Objectives of the project include:

- Development of a model machining and manufacturing facility that employs state-of-the-art technologies;
- Focus is on manufacturing precision machined parts and progress to implements, and **eventually make machines**;
- Training facilities will engage in modern pedagogy using industrial-grade machines;
- Manufactured products are expected to generate revenues that will, in turn, support and sustain the project;
- **Manufacturing workshops will provide a platform for apprenticeships for technicians and engineers.**

Commissioning of the MMISDC on Jan 15th, 2020 by H.E. Y.K. Museveni



CNC Center at Namanve



THANK YOU!

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