



Supply Chain Management Education: Producing Holistic Leaders For African Countries And The World

Presented By:

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Presentation Outline

- Ghana's UHC Vision and Mission
- Supply Chain Master Plan
- Ghana Integrated Logistics Management Information Systems (GILMIS)
- SCM Education Support
- Global Knowledge Areas for Holistic Leadership
- Tripartite Collaboration – The way forward



Ghana's UHC Vision & Mission

- Healthcare is one of the topmost priority in every economy.
- In Ghana, the Health Sector operates an increasingly, well-coordinated supply chain, collaborates across stakeholders, and infuses innovations with a commitment to achieving sustainability.
- Aims at achieving the Ghana's Universal Healthcare (UHC) vision in alignment with government's mission.

Vision and Mission

- Vision - Ensure the availability, timely access, and affordability of high-quality health commodities across public and private sectors to successfully deliver universal healthcare (UHC) to ensure all people in Ghana have timely access to high quality services irrespective of ability to pay at the point of use (Ghana UHC Vision).
- Mission - Identify and implement key strategic interventions and priority activities for a 'country-led' robust supply chain that contributes to the achievement of UHC

Supply Chain Master Plan

HOW DO WE
DO IT?

Also, through the partnership, a new Health Commodity Supply Chain Master Plan (SCMP) spanning between 2021 and 2025 has been designed



The Ministry of Health (MOH) and the Ghana Health Service (GHS) has partnered with the Global Health Supply Chain-Procurement and Supply Management (GHSC-PSM) Programme.



This partnership program offer technical support to implement interventions to strengthen the supply management of health commodities within the health sector.

2021 – 2025 Supply Chain Master Plan

Has 11 functional areas including a dedicated section on private sector engagement.

Has 55 strategic interventions paired with annual performance targets.

Build on progress made since the enactment of SCMP.

Address continued issues and tackle new and emerging challenges.

TRANSFORMATIONAL PILLARS

COORDINATION & COLLABORATION

Strengthened coordination, collaboration and cooperation among all actors.

INNOVATION

Deploy innovative supply chain strategies and interventions that leads to an efficient, lean, agile and sustainable supply chain from the central level to SDPs.

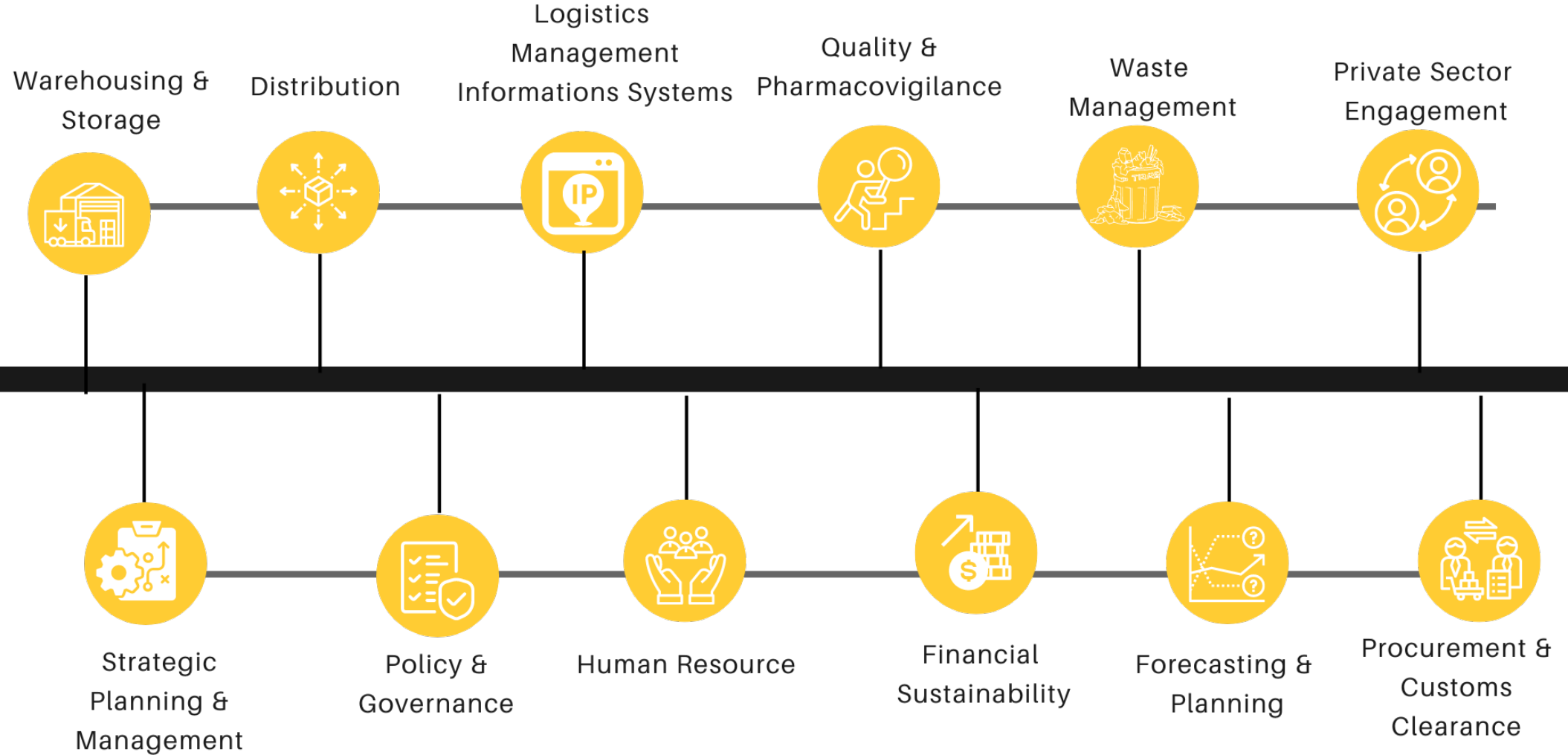
TRANSPARENCY

Focus on transparency in terms of roles and responsibilities, procedures, finances and data, across all levels.

SUSTAINABILITY

Infuse sustainability into each intervention to ensure a strong, government-owned and financed supply chain using dedicated staff, coordinated systems and innovative technology.

through implementation of strategic interventions across the focus functional areas of the SCMP



Ghana Integrated Logistics Management Information Systems (GILMIS)

- A key component of the master plan

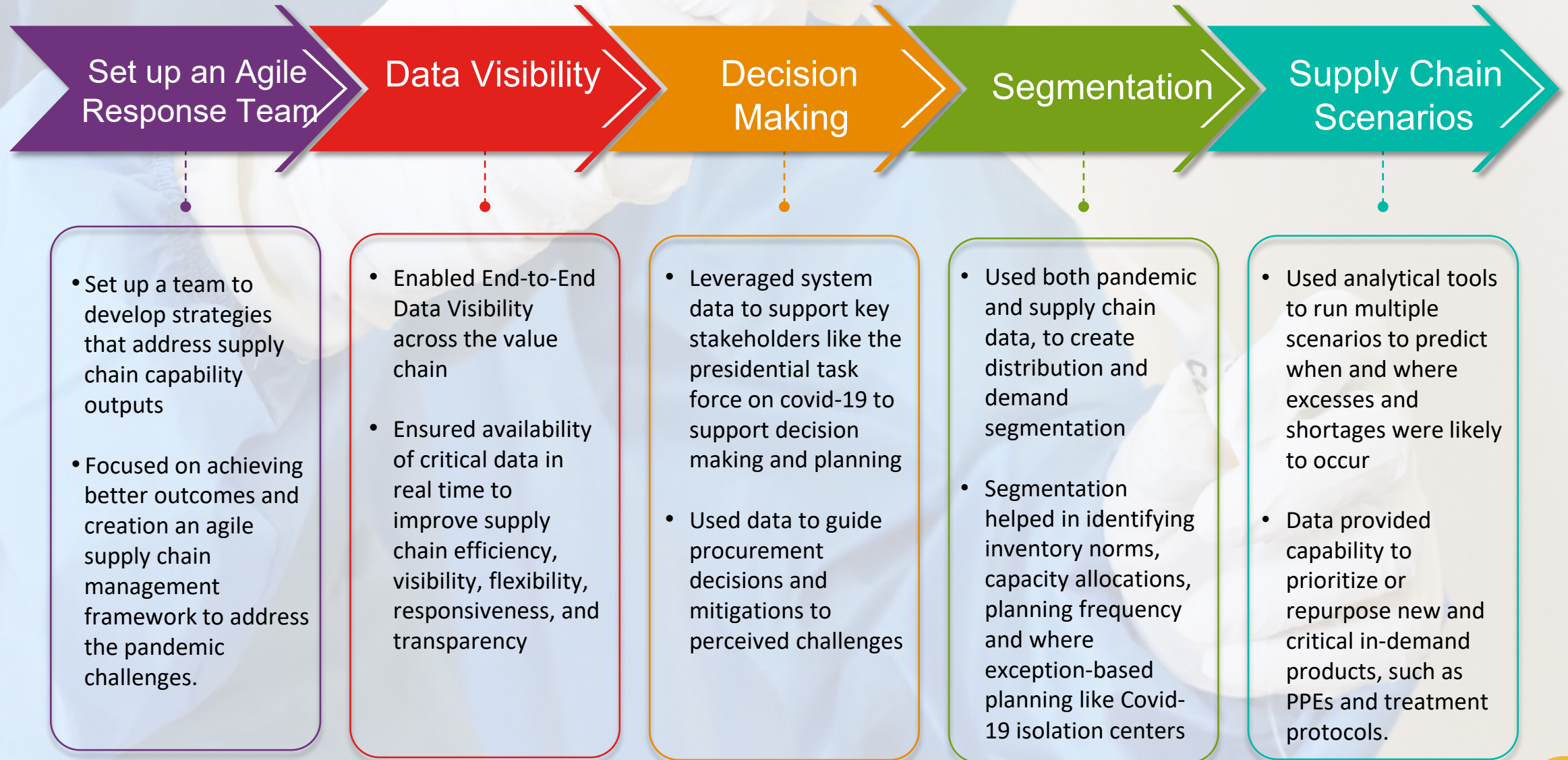




Ghana Integrated Logistics Management Information System (GhiLMIS)

- ❑ GhiLMIS is intended to planning and management of public health commodities and information, facilitating decision makers with accurate, timely, and appropriate data, for critical supply chain decision.
- ❑ It provides end-to-end visibility and serve a variety of functions such as managing data on the quantity of medicines or supplies needed at specific Service Delivery Points (SDP), reporting on current stock levels, indicating storage requirement, and tracking data regarding usage of medical commodities over time at all levels across all tiers of the Ghana value chain.
- ❑ It has been implemented in over **1600 health facilities** in Ghana, making it the widely used solution across the public health sector, and plans are underway to extend to another **3000** facilities by June 2023
- ❑ It has been essential in establishing a dynamic and resilient supply chain during the pandemic in Ghana, through provision of critical supply chain data in real time that made it easier to know the stock status of covid-19 commodities and informed replenishment planning to ensure that all affected regions had adequate supply of commodities, when needed.
- ❑ The success of the system highlighted the critical need of data in addressing pandemic challenges, specifically supply chain data to improve collaboration, visibility, agility and optimization across the end-to-end supply chains.

The Ghana Approach



Benefits



Establishing Dynamic and Resilient Health Systems

Data has become critical in the fight against the pandemic. From creating the ability to plan against the potential disruption, to establishing a health system that is both dynamic in its response to new challenges and resilient to pandemic impacts.

Informs Policy Decisions

Data informs public health policy decision and in case of Ghana supply chain it provided a basis to determine the rate of response to needs and challenges created by Covid-19.

Provides Insights

Data provides information on country's pandemic response status, including specific and relevant insights leading to informed decisions and action that will facilitate better response to pandemic challenges.

Effective Resources Allocation

Data enables effective resource allocation, proactive risk identification, improved capacity planning and increased operational efficiencies to enable dynamic, resilient, and sustainable supply chains that can fight both the pandemic and the disruptions it creates

Provides baseline for trend Analysis

Data provides insights to how the ministries of health and governments are performing in managing the pandemic.

Trend analysis shows if the interventions are working and provide a baseline for mitigations



Supply Chain Management Education- What we are doing in support of the plan



Now, the Supply chain department - KNUST in collaboration ASU formed the Center for Applied Research and Innovation in Supply Chain-Africa (CARISCA), which is offering a number of students opportunities in supply chain programs at the postgraduate level through a partnership between Kwame Nkrumah University of Science and Technology (KNUST) in Ghana and Arizona State University. The supply chain department of KNUST is considering program diversification

CARISCA Centre for Applied Research and Innovation in Supply Chain – Africa

CARISCA leverages a local and international network of governmental, civil society, and industry partners to connect African researchers, practitioners, and businesses to supply chain assets around the world. CARISCA seeks to strengthen local capacity to improve supply chains by increasing their efficiency, effectiveness, and inclusiveness, driving country self-reliance, improve the efficiency and effectiveness of health care and agricultural value chains.

CARISCA'S Focus Areas



Research

Strengthen African higher education institution capacity for and adoption of innovative, locally relevant research.



Stakeholder Engagement

Create a strong network by engaging policymakers, the private sector, and civil society organizations in supply chain research, education, and knowledge transfer.



Curricula & Training

Develop relevant evidence-based training opportunities to benefit students and supply chain management practitioners in Ghana and beyond.



Access & Inclusion

Ensure access to supply chain research, education and training for women.

SCM Education



BSc. Pharmaceutical Supply Chain Management

- To provide a career path for pharmacy and other health care technicians in Ghana and Africa by offering a tertiary training program in pharmaceutical supply chain management to upgrade their skills in the area of planning and managing access to pharmaceutical services towards ensuring the availability of quality products to achieve desired health outcomes.



MSc. Pharmaceutical Logistics supply chain management

- Produce students who will be able to effect changes in the Pharmaceutical Supply Chain to ensure the availability of quality products and effective delivery of pharmaceutical products to the effective management of the health sector.



MSc. Health Supply Chain Management

- To improve access to health services delivery in Ghana and beyond towards ensuring the availability of quality products and related services to achieve desired health outcomes.

Global Knowledge Areas for Holistic Leadership

Innovation and Operational Excellence

- Create bigger opportunities that are critical for the survival, economic growth, and success of a company
- Identify new opportunities and best methods to solve current problems
- Operationalize business strategy, implement improvement and change in organization's processes, systems and people, as well as to maximize the value over the life of an asset or organization

Logistics Management Information Systems

- Performance tracking and analysis, making business decisions, making a business plan, and defining workflow.
- Improve transaction processing system to automate the transaction collection, modification, and retrieval process

Strategic Financial Leadership

- Develop a more holistic understanding of how organization operates
- Produce leaders with strong grasp on accounting and financial reporting, operational risk, and other accounting functions
- Such leadership skills can make a world of difference when it comes to the long-term success of the enterprise

Crises Management

- 4 P's of crises management
 - Prevent
 - Plan
 - Practice
 - Perform
- Relationship Management
- Creativity & Adaptability

Supply and Demand Planning

- Establish abilities to have predictable demand and replenishment planning
- Establish demand and supply segmentation in identifying inventory norms, capacity allocations, planning frequency and exceptions

Dynamic Capabilities

- Develop mechanism to support effective response to disruption through predictive capabilities
- Integrate risk management and scenario modelling to mitigate impacts of disruption

➤ More than 1.55 million people, or 13.4% of West Africa countries economically active population are unemployed (Dzawu, 2021).

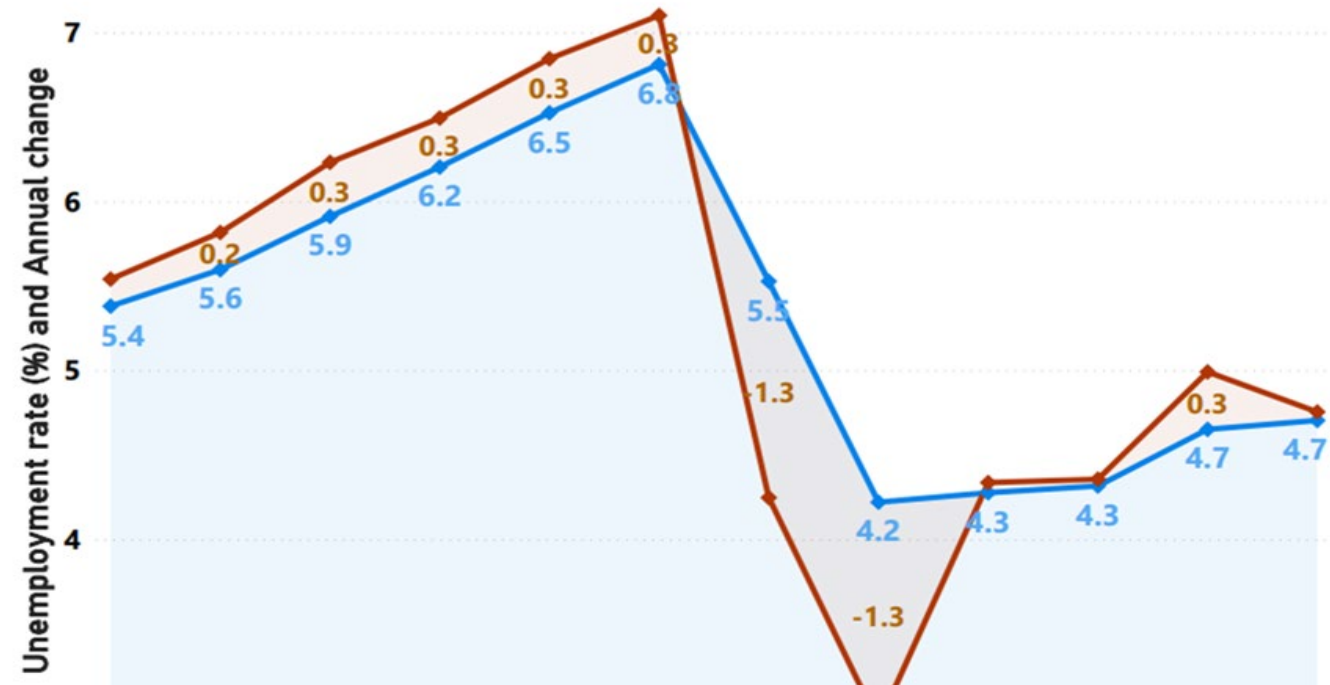
➤ Data from the Ghana Statistical Service (GSS, 2021) shows that Ghana is faced with high rate of unemployment, and this has tripled in 10 years.

As such, there has been calls from academicians on the need to structure the educational systems in Ghana and Africa to address the high rate of unemployment.



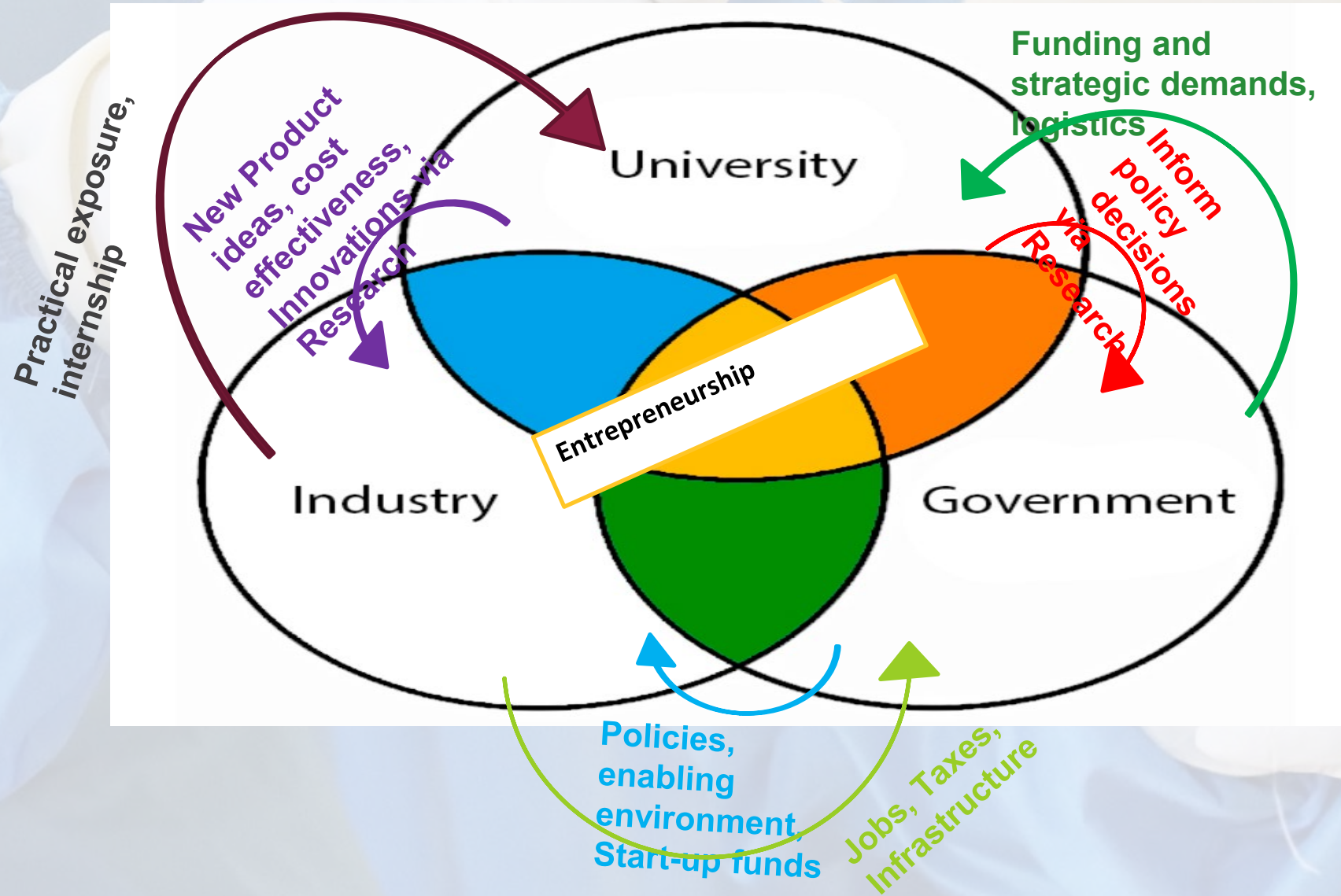
But how can our education help to minimize this menace?

Entrepreneurship



GSS (2021)

Tripartite collaboration – The way forward



**Thank
You**





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