



**UNIPORT**

## **UNIVERSITY OF PORT HARCOURT SCIENCE INSTITUTE**



REGIONAL CENTRE OF EXPERTISE  
ON EDUCATION FOR  
SUSTAINABLE DEVELOPMENT

ACKNOWLEDGED BY



**UNITED NATIONS  
UNIVERSITY**

**RCE PORT HARCOURT**

# **TRIPLE HELIX PLUS<sup>+</sup> MODEL: AN INNOVATIVE PARTNERSHIP IN LINE WITH SDG 17**

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# Introduction

- Triple Helix is a model based on Government-University-Industry Partnership.
- Integrating professional bodies into the Triple Helix model gives Triple Helix Plus<sup>+</sup>, which is an innovative partnership for sustainable development in line with SDG 17.
- Entrepreneurs in Action for US (ENACTUS), is an international nonprofit organization dedicated to inspiring students and young people to improve the world through entrepreneurial action.
- It provides a platform for teams of outstanding university students to create community development projects that put ingenuity and talents at the centre of improving livelihoods.
- ENACTUS operating within the Triple Helix Plus<sup>+</sup> model at RCE-Port Harcourt has successfully executed many sustainable development projects.

# Introduction Contd.

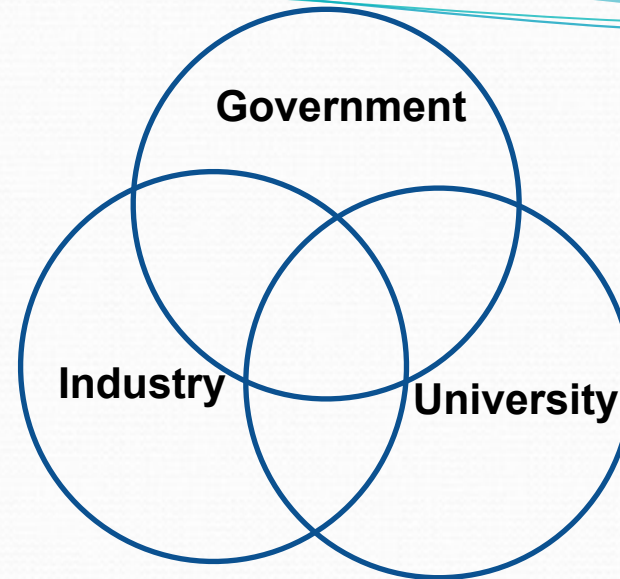


Fig. 1: Triple Helix Model

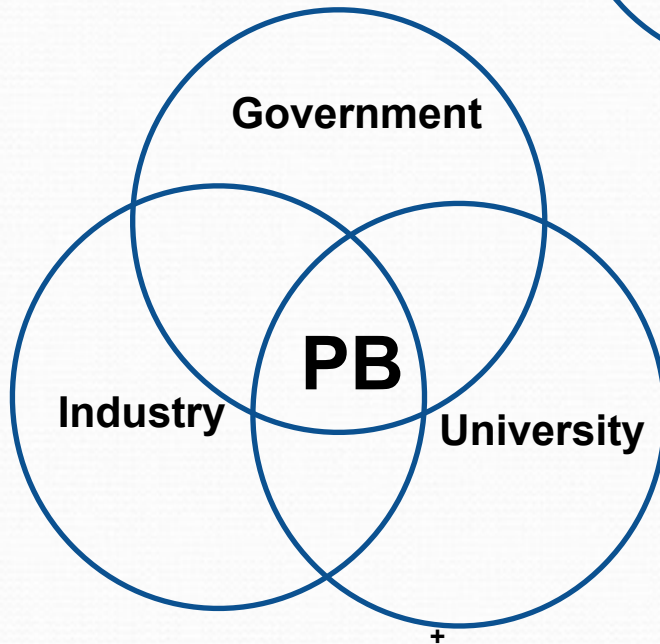


Fig. 2: Triple Helix Plus model (PB = Professional Bodies)

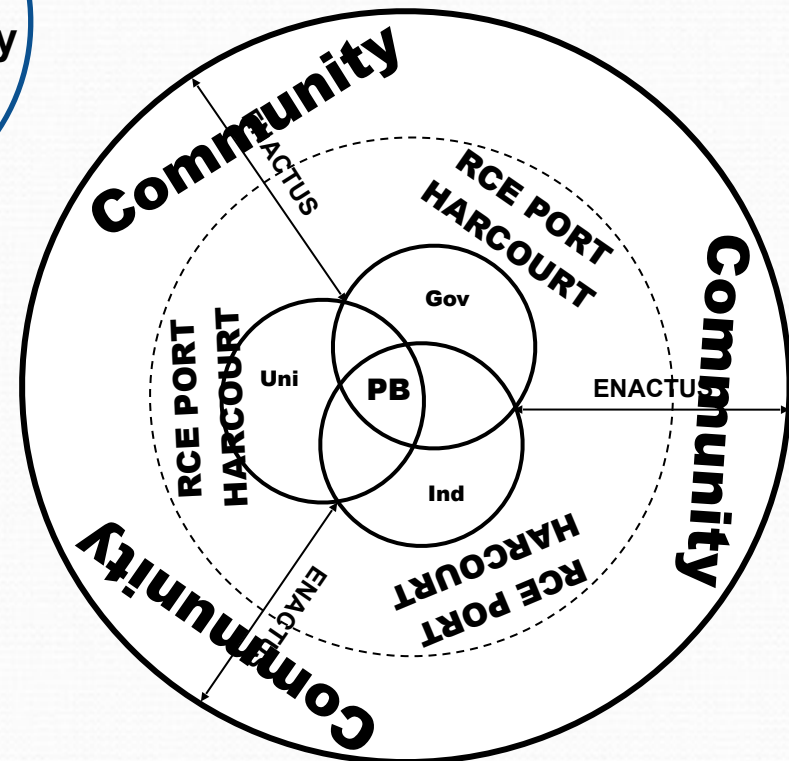


Fig 3: University-Community Engagement in achieving SDG 17 within Triple Helix Plus+ Model.

# **Introduction Contd.**

## **What is ENACTUS?**

- **Entrepreneurs in action for us (ENACTUS) is an international student's organization**
- **It prepares students and engage them in embarking on sustainable development projects that positively impact their host communities .**
- **By engaging in community projects students also prepare themselves for life after school.**
- **ENACTUS gets support and sponsorship through partnerships.**



# Introduction



**SDG 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development**



**The SDG 17 Target: Multi-stakeholder partnerships**

# **ENACTUS PROJECTS AT RCE PORT HARCOURT**

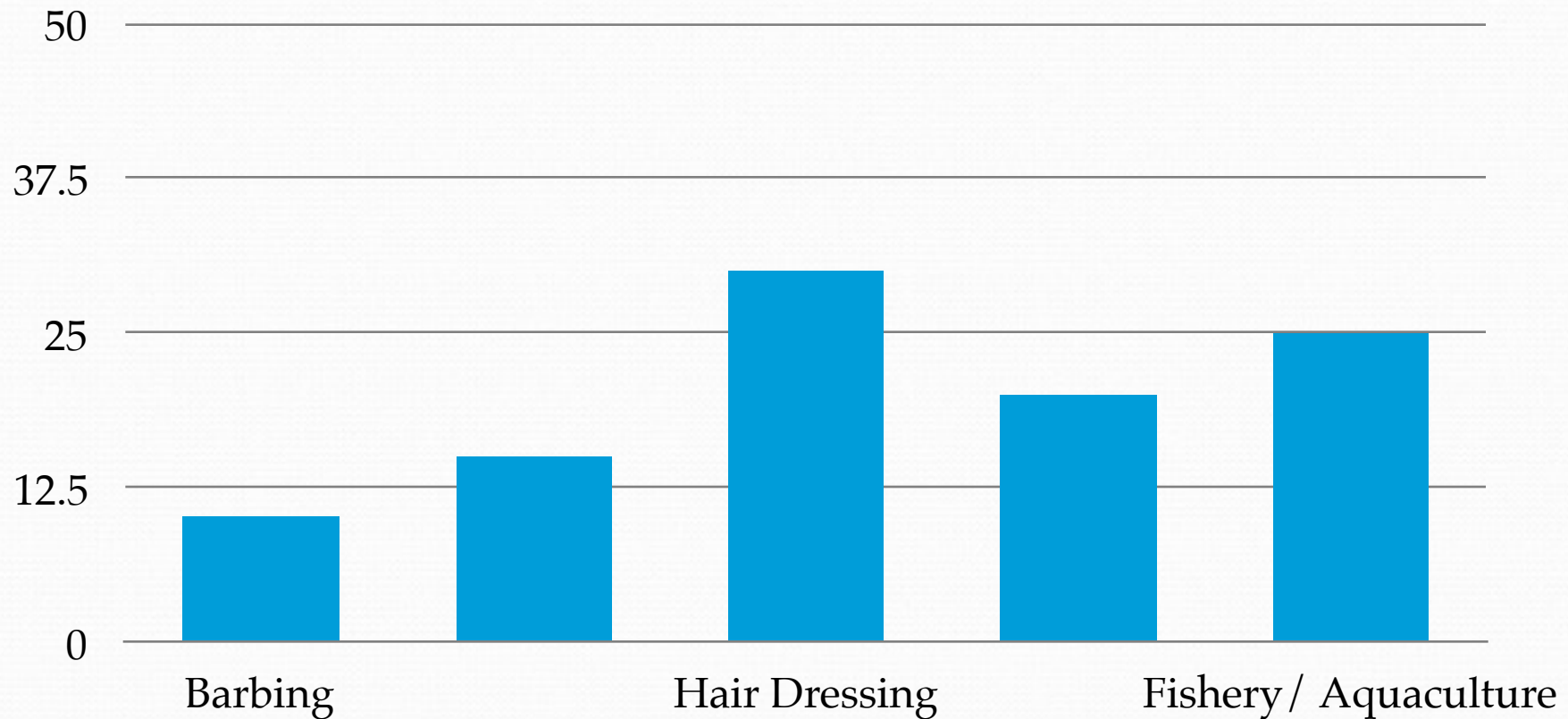
## **Skill for Life**

### **Objectives of the project**

- **To identify and train a pool of youths and women with limited or no means of livelihood due to low skills and help them become self-reliant and productive in their communities.**
- **To raise funds to start micro enterprise for the most successful trainees.**
- **To monitor and evaluate their progress and ensure best practices for sustainable development.**

# Implementation Strategies

Skills grouping and percent of participants in each group



**Fig. 4: Graph showing the five skills grouping and percent of the participants in each skill group relative to the 200 participants engaged in the project.**





**Fig. 5e: Hand Bag**



**Fig. 5a: shoes**



**Fig. 5b: Hand Bag**



**Fig. 5d: Hand Bag**



**Fig. 5c: Liquid Soap**

**Fig. 5: Different Items produced by participants after training**



# Green Power Technology (GPT)

## Objectives of the Project

- To solve the problem of air and noise pollution from generator set
- Access knowledge from researchers and lecturers in the partnering departments
- Build a noiseless, non fuel power generating device
- Test run, hand over to community and follow up



**Fig. 6: Brainstorming Session and Construction of the GPT System**

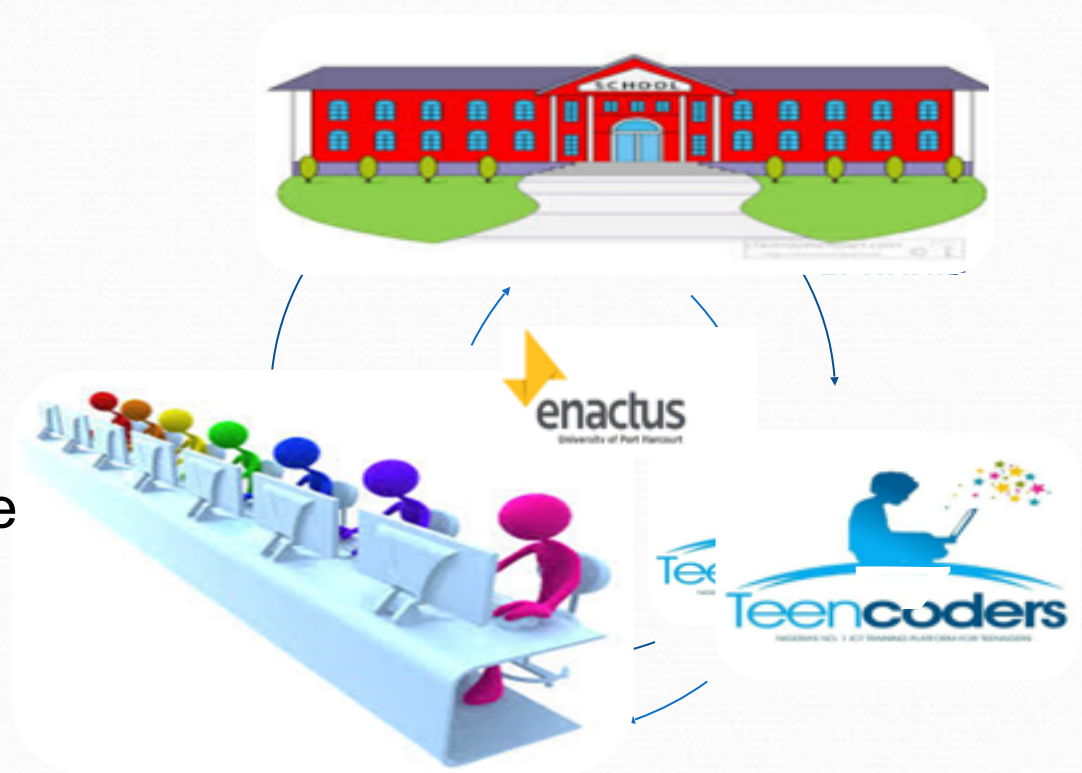
# GOTECH - An ICT Training

## Objectives

- To train teenagers on practical usage of computer
- Draw business plan for the project
- Train 22 teenagers on Android programming as pilot project
- Follow up and evaluation



Fig. 7: Enactus Connecting the school children, ICT Company (TEENCODERS) and Community-Partnership







**Fig. 8: Training Sessions**





**Fig. 9: Certificate of Participation is awarded from Enactus and Teencoders to participants after the training**

# **CHOKOR OVEN**

## **Objectives**

- **To solve the problem of smoke spreading from fish smoking drums in Choba market**
- **Carry out needs assessment of fish smokers and their customers**
- **Research and brainstorm on the problem**
- **Create awareness and train fish smokers on better and innovative way of fish smoking**
- **Construction of CHOKOR Oven**
- **Commission and hand over to market women**
- **Monitoring and evaluation.**





**Fig. 10: Preparation for the Construction of Chokor Oven**





**Fig. 11: Preparation for the Construction of Chokor Oven Shade**





**Fig. 12: Chokor Oven and the Fish Seller in Choba Market.**

# Agro Fertilizers

## Objectives

- **Neutralizing soil acidity which is as a result of the high petro-chemical industrial activities in city of Port Harcourt.**
- **To boost farmers income through the supply of cheap fertilizer.**
- **To rid the environment of harmful and possible sources of CO emulsion through the recycling of both industrial and agricultural wastes.**
- **To create wealth from waste.**
- **Creating awareness on the important of poor organic farming and the risk the environment focus in continuous application of conventional fertilizer on.**
- **Creating employment for the locals who get involved in various product process.**





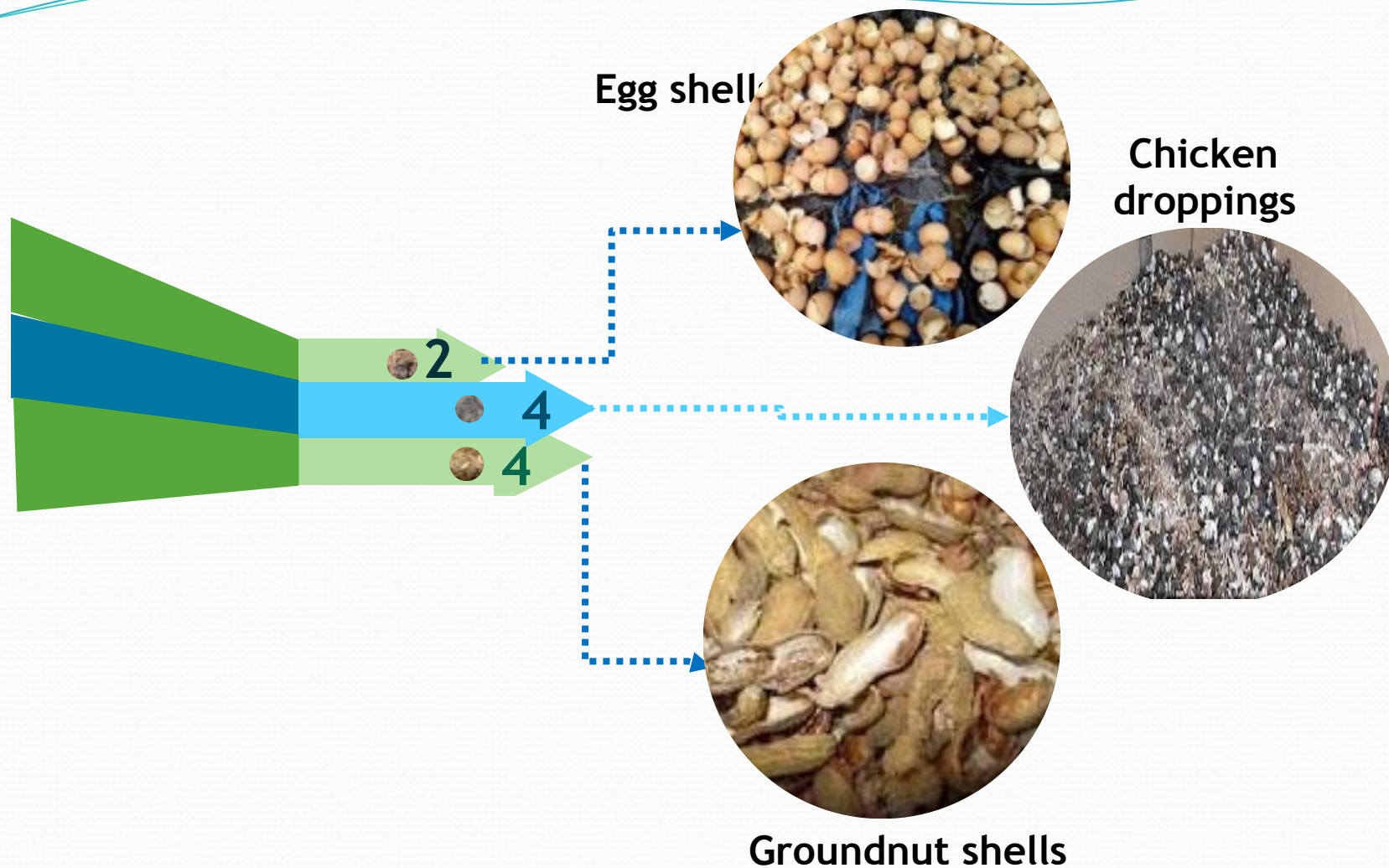


**Fig.13: The seedlings are planted in a nursery**





**Fig. 14: Production of Agro Fertilizers**



**Fig. 15: The Raw Materials for the Agro Fertilizer**



# **Challenges of Partnership/SDGs**

**The Triple Helix Plus<sup>+</sup>, as good as it sounds has challenges such as:**

- **More finance is required to carry out more projects**
- **Harmonizing differences in culture among partnering teams**
- **The way forward is to adopt a win-win principle.**

# Conclusion

- It is obvious that partnership is important for the achievement of SDGs
- Triple Helix Plus<sup>+</sup> involves the contributions of government, university, industry and professional bodies towards a sustainability strategy for the university, industry and society.
- SDG partners include WHO, FAO
- The ENACTUS Uniport teams interacts with the partners in the Triple Helix Plus<sup>+</sup> and link them to the community through RCE Port Harcourt.



**THANK YOU FOR  
YOUR ATTENTION.**