

# Knowledge Co-Production through Stakeholder Engagement in Environmental/Ocean Sciences Research

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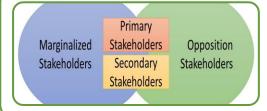
# **Outline**



# Introduction



# Knowledge Co-Production



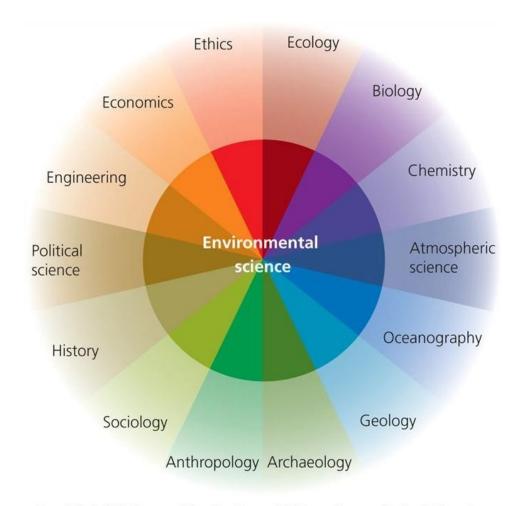
# Stakeholder Engagement



## Discussion



# Introduction



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# Introduction, Cont'd





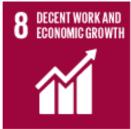
































Source: https://www.un.org/sustainabledevelopment/blog/2015/12/sustainable-development-goals-kick-off-with-start-of-new-year/



# **Activity**

Join at menti.com use code 6848 6780

Mentimeter

Write your current role or profession 5 Responses

conservationist

environmental chemist
scientist
student in marine science
uav pilot

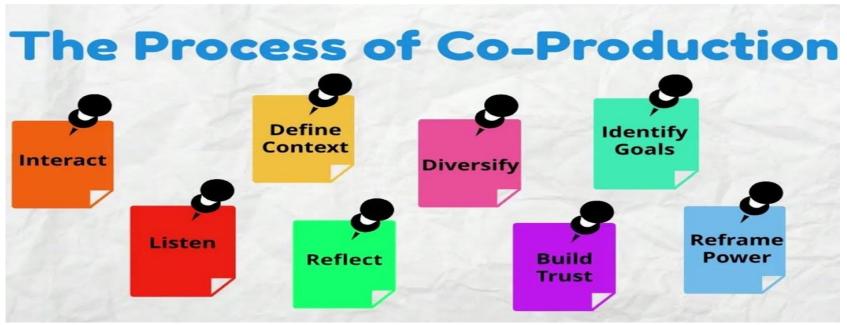






# **Knowledge Co-Production**

**Knowledge Co-Production** involves stakeholders (inter- and transdisciplinary) in identifying challenge(s) and co-creating the solutions for effective knowledge uptake and sustainability.



Source: https://www.youtube.com/watch?v=G77F-smxcxo



# Stakeholder Engagement

### STAKEHOLDER MADDING

Stakeholder
mapping is an
exercise to help
you determine who
your stakeholders
are and how much
engagement,
communication or
consideration they
need.

STAKEHOLDER INTEREST

By mapping and prioritizing your stakeholders, you can focus your attention in the most impactful way.

### HIGH INTEREST

### LOW INFLUENCE

- Inform completely
- Monitor Closely

### LOW INTEREST

### LOW INFLUENCE

- Essential information
- Minimal contact

### HIGH INTEREST

### HIGH INFLUENCE

- Regularly engage
- Keep satisfied

### LOW INTEREST

### HIGH INFLUENCE

- Monitor regularly
- Anticipate needs

### STAKEHOLDER INFLUENCE

SME | STRATEGY



# Case Study - Target Stakeholders - Water Insecurity Research

| Key Stakeholder  | Primary Stakeholder          | Secondary Stakeholder                   |
|--|------------------------------|---|
| Ilaje Slum Community, Lagos, Nigeria                     |                              |   |
| Lagos Ministry of the Environment and                    | Ilaje community Women Leader | Ilaje Community School                  |
| Water Resources  |                              | Administrator/Head Teacher              |
| <ul> <li>Director/Manager, <u>Lagos Water</u></li> </ul> | llaje community Men Leader   | Ilaje Community Health Centre Worker    |
| Corporation (LWC)  |                              | (Managerial level )                     |
| <ul><li>Director/Manager, Lagos</li></ul>                | Ilaje community Youth Leader | Ilaje community Association of Artisans |
| Wastewater Management Office                             |                              | Leader                                  |
| (LASWMO)   |                              |   |
| <ul> <li>Director/Manager, <u>Lagos State</u></li> </ul> | Ilaje community Traditional  | Association of Potable Water Sellers    |
| Water Regulatory Commission                              | Ruler/Council Leader         | (Leader/Representative)                 |
| (LSWRC)  |                              |   |
| Director/Manager, Lagos State Urban                      |                              |   |
| Renewal Agency (LASURA)                                  |                              |   |
| Researcher/Scientists from the                           |                              |   |
| University of Lagos (Civil/Water                         |                              |   |
| Engineer, Ecotoxicologist (ACU Fellow),                  |                              |   |
| Urban Planner)   |                              |   |
| Ilaje Local Council Development Area -                   |                              |   |
| Counsellor   |                              |   |



# Case Study - Power-Influence Matrix of Mapped Stakeholders

### High Interest, Low Power

- Researchers/Scientists (Civil/Water Engineer, Ecotoxicologist, Urban Planner)
- Community Advisory Board members
- Local school headmasters and teachers
- Non Governmental Organisation
- Village council Secretary
- Health workers

### Low Interest, Low Power

- Community School Administrator
- Children
- Youth

### High Interest, High Power

- Traditional Ruler
- Local Council Development Area Counsellor
- Community Men Leaders
- Community Women Leaders
- Community Youth Leaders
- Provincial Department of Water and Sanitation
- Village council ward members

### Low Interest, High Power

- Water Truck Associations
- Association of Potable Water Sellers (Leader/Representative)
- Directors/Managers water management departments
- Director/Manager, Waste management departments
- Director/Manager, departments of health



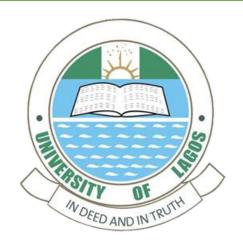
# Stakeholder Engagement - Activity

Join at menti.com use code 6848 6780 Mentimeter In your research, who would you identify as your stakeholders? 21 Responses internal water authority coastal dwellers ministry of land ministry of forestry communities cocoa laborers ministry of water and env village head loggers fishermen hunters researchers community leaders civil engineers ministry of environment minister of highways okerenkoko community policy makers on climate





# Acknowledgement







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