

# PROTEUS ANNUAL MEETING

13<sup>th</sup> – 14<sup>th</sup> June 2019, David Attenborough Building, Cambridge, UK



# HORIZON SCAN:

## Emerging Issues and Trends In Biodiversity Management and Data

Corli Pretorius



# Strengthening capacity for environmental management of the oil and gas sector – An introduction to the Oil for Development Programme

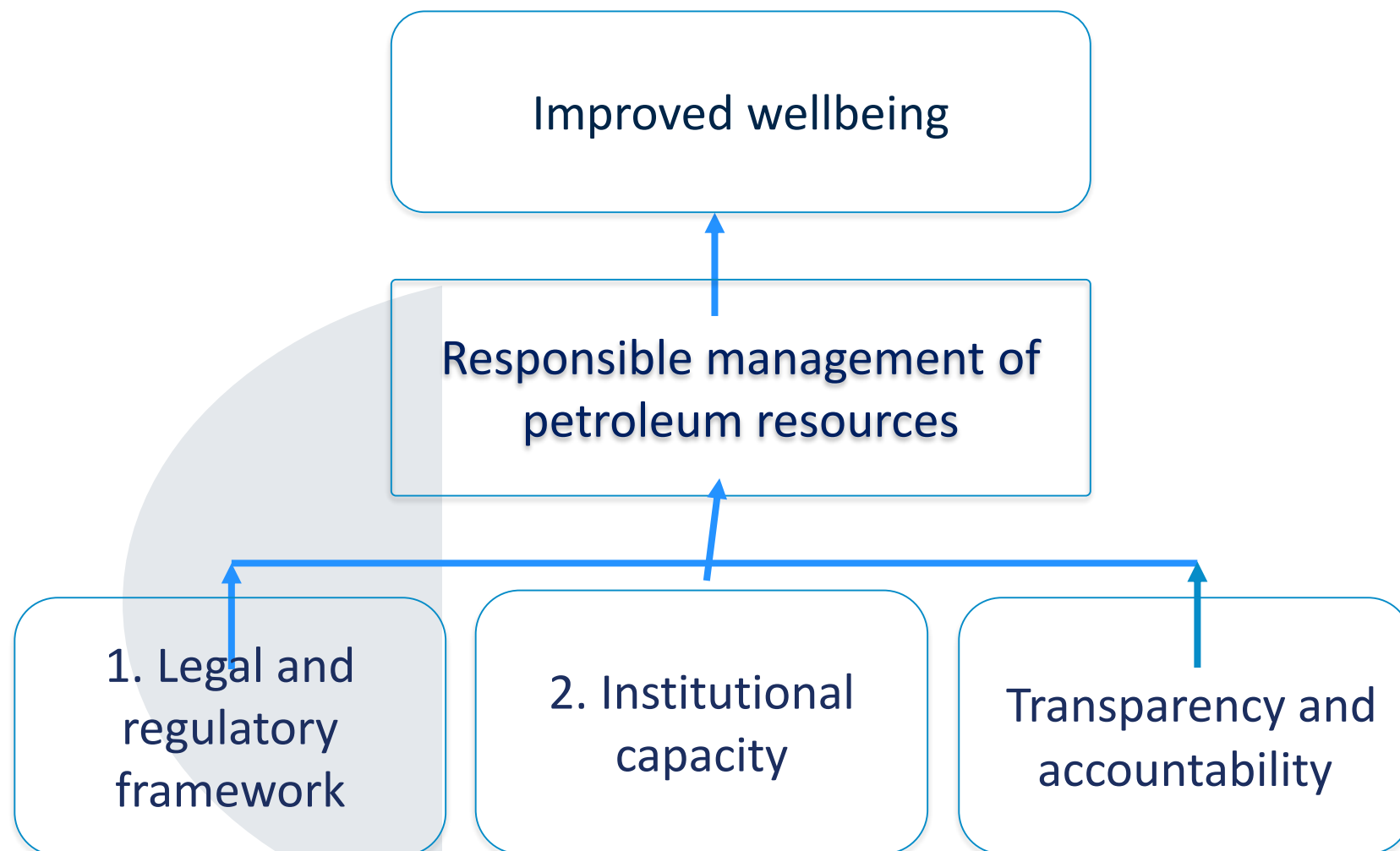
Frank Eklo

Senior adviser, International section  
Proteus Annual Meeting  
Cambridge, June 2019

## Operative Goal

“Economically, environmentally and socially responsible management of petroleum resources, safeguarding the need of future generations”.

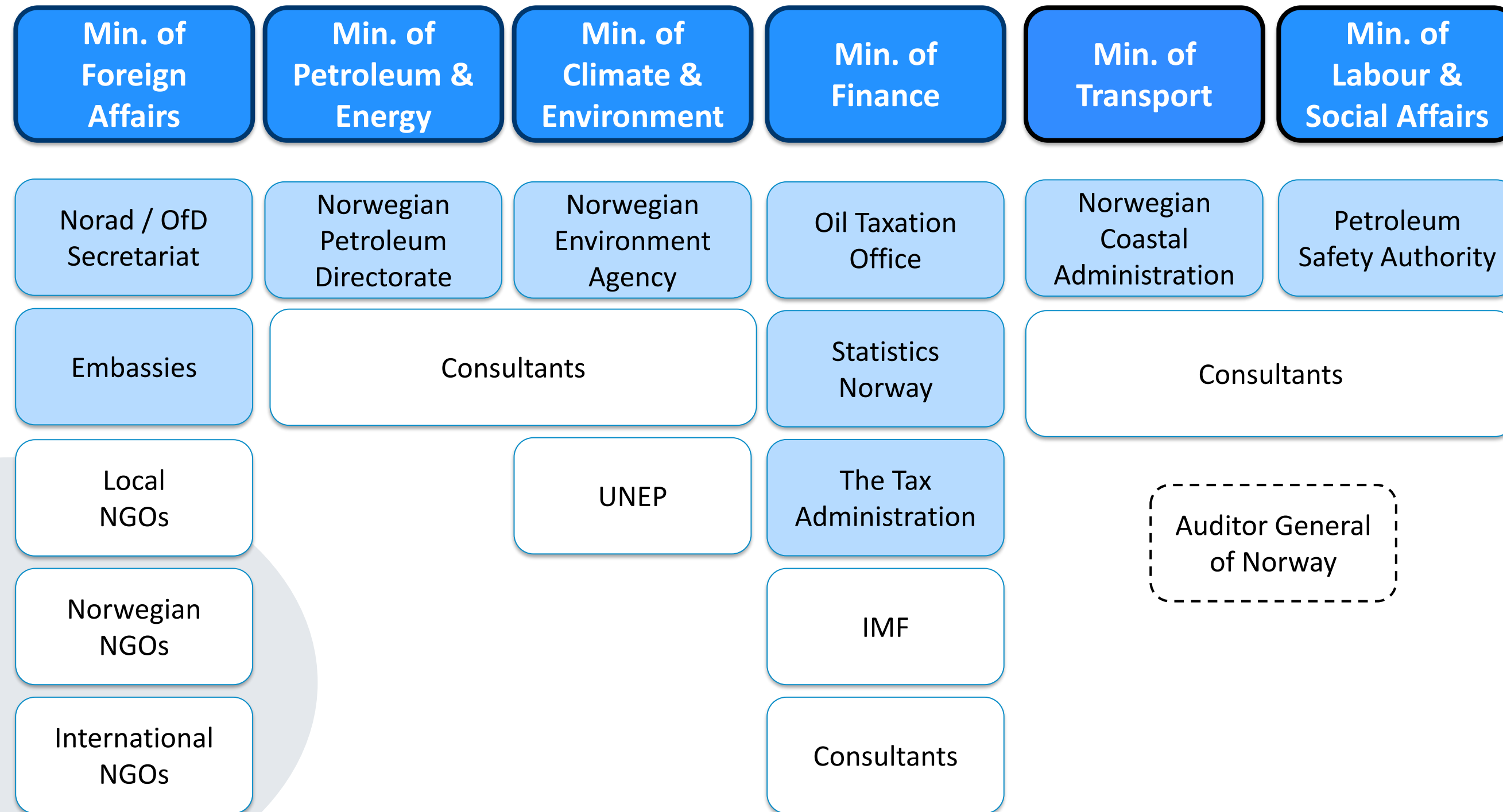
### Theory of Change



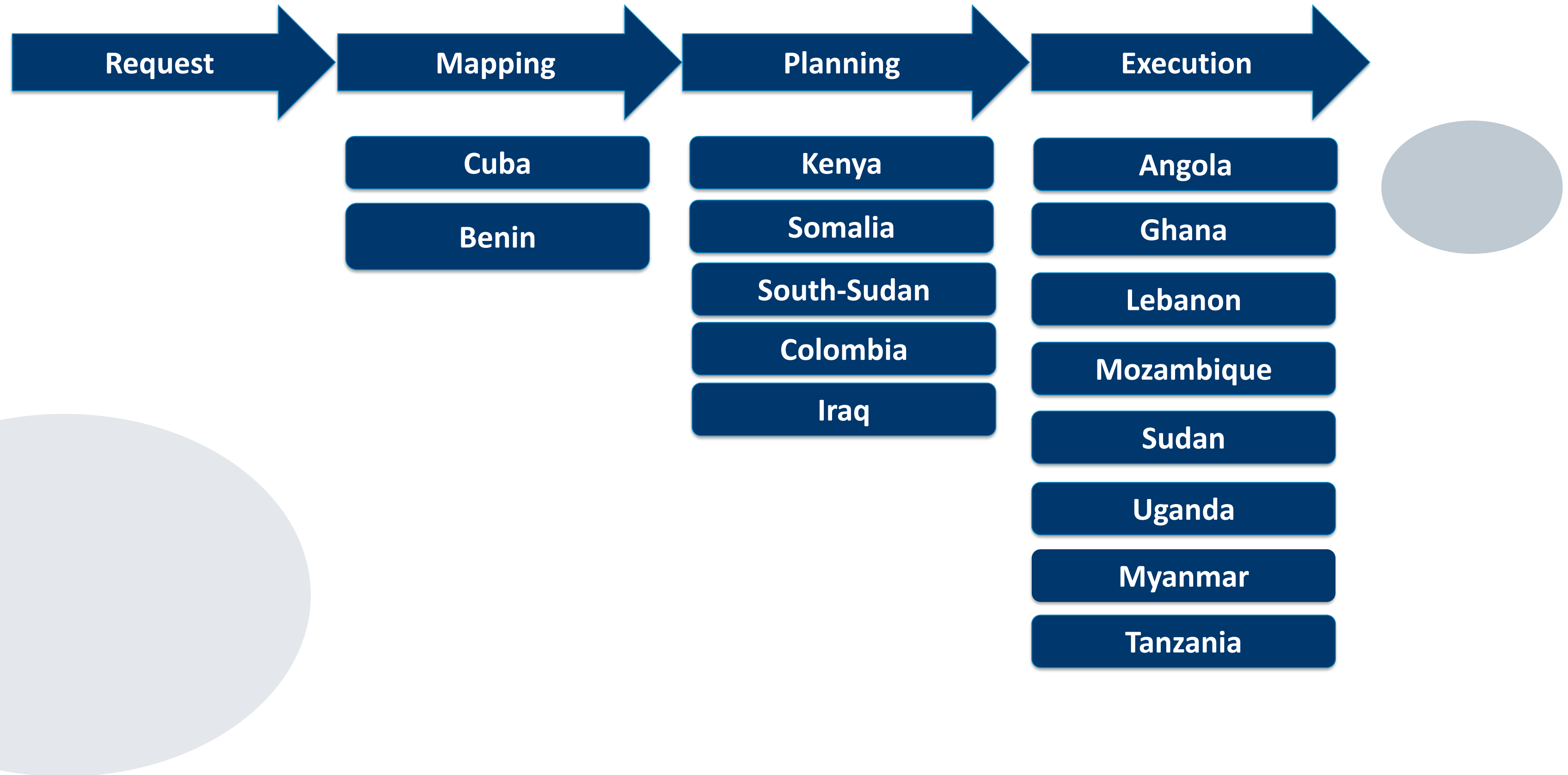
### Programme components



## Norwegian institutions engaged in OfD



## OfD portfolio status March 2019



# Topics within the environment management component



- Legal framework
- Mapping of the state of the environment
- Environmental data management
- Impact assessments
- Permitting and licensing
- Compliance monitoring (auditing)
- Environmental monitoring
- Contingency planning and emergency preparedness
- Climate change



# How we work

- Training courses, workshops
- On-the-job training; drafting legal framework, procedures, templates for permits and carrying out joint audits and field visits )
- General advise and peer review (SEAs, ESIAs, permits, guidelines)
- Study tours
- Standardized courses (Petroleum Value Chain)





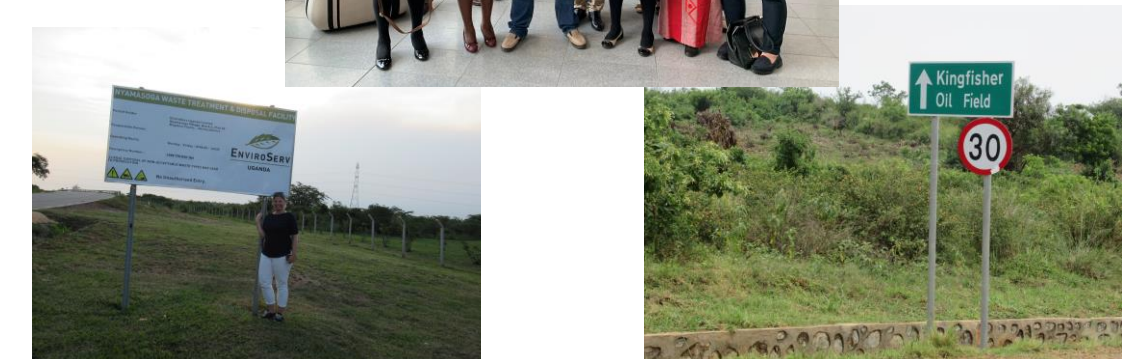
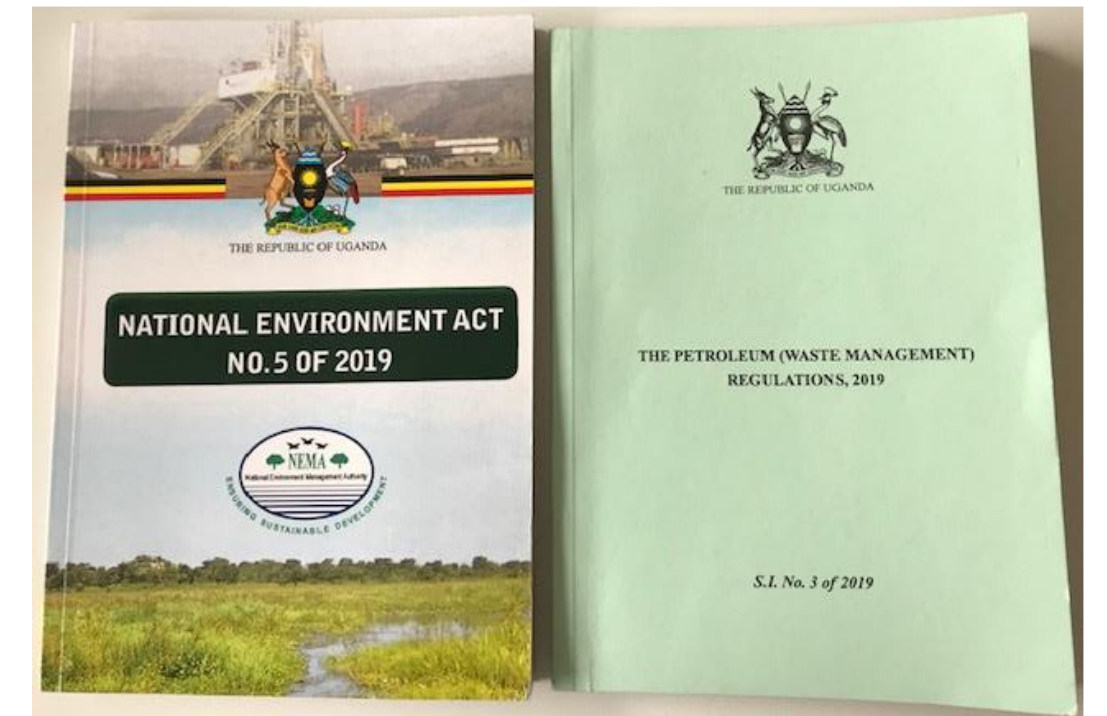
# Interface with Industry



- Development of regulations, guidelines and reporting formats
- SEAs and ESIAs
- Compliance monitoring
- Baseline data collection / Data Management

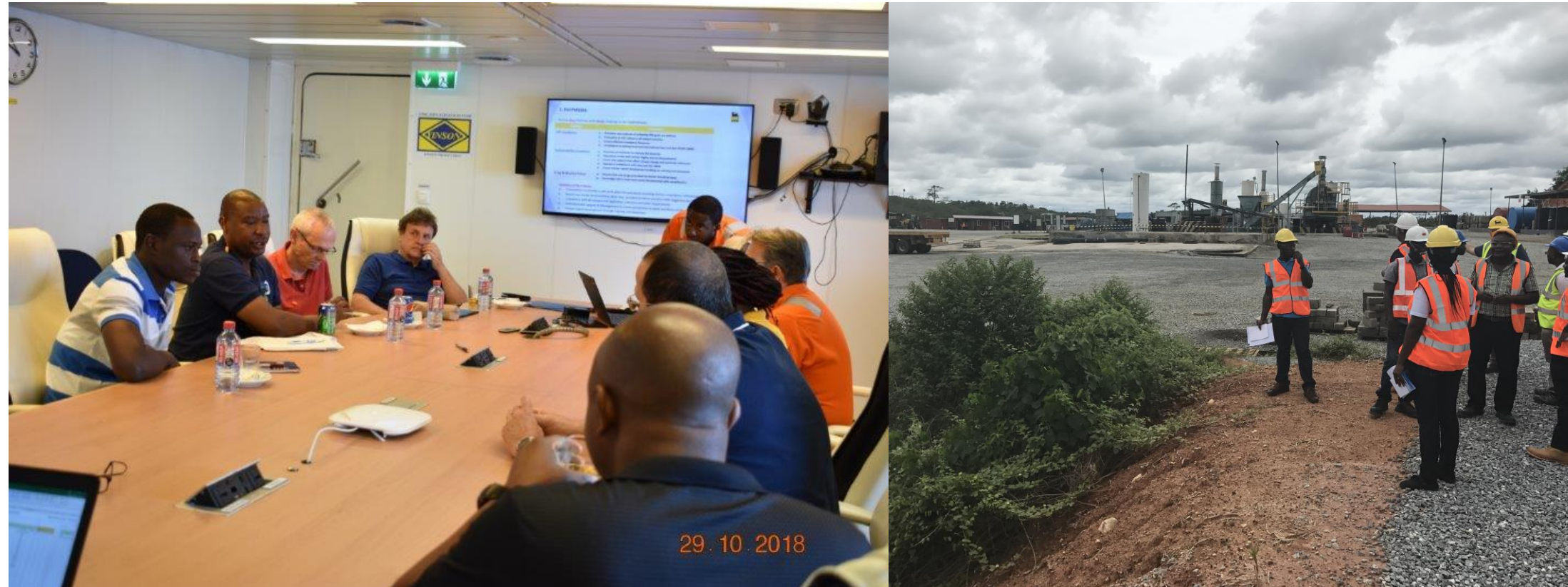
# Environmental legislation - legal project in Uganda

- **Bird's-eye view**
  - The starting point for the legal project was to get an overview of the environmental legislation in relation to petroleum industry
- **Based on the results of the bird's-eye view project the legal team started to develop environmental legislation**
  - Completed
    - New Environment Act and Petroleum Waste Regulations
  - Regulations under development
    - ESIA, audit, waste management, SEA, oil spill, effluent, air quality, chemicals, noise and vibrations
- **Success factors**
  - Local initiative and ownership
  - The legal project has covered the environmental legislation in Uganda in general
  - Technical and legal competence both in Uganda and Norway has been involved in the project
  - Efforts to increase stakeholder's knowledge of oil and gas sector is important to enlighten the drafting process





# Capacity building for compliance monitoring- Ghana



- Workshops focusing on why and how and sharing of Norwegian/and Ghanaian experience
- Development of Compliance Monitoring manual for Ghana EPA
- Training focusing on: the role of authorities, interview techniques, the use of check lists, follow up of non compliance
- Three joint offshore audits conducted

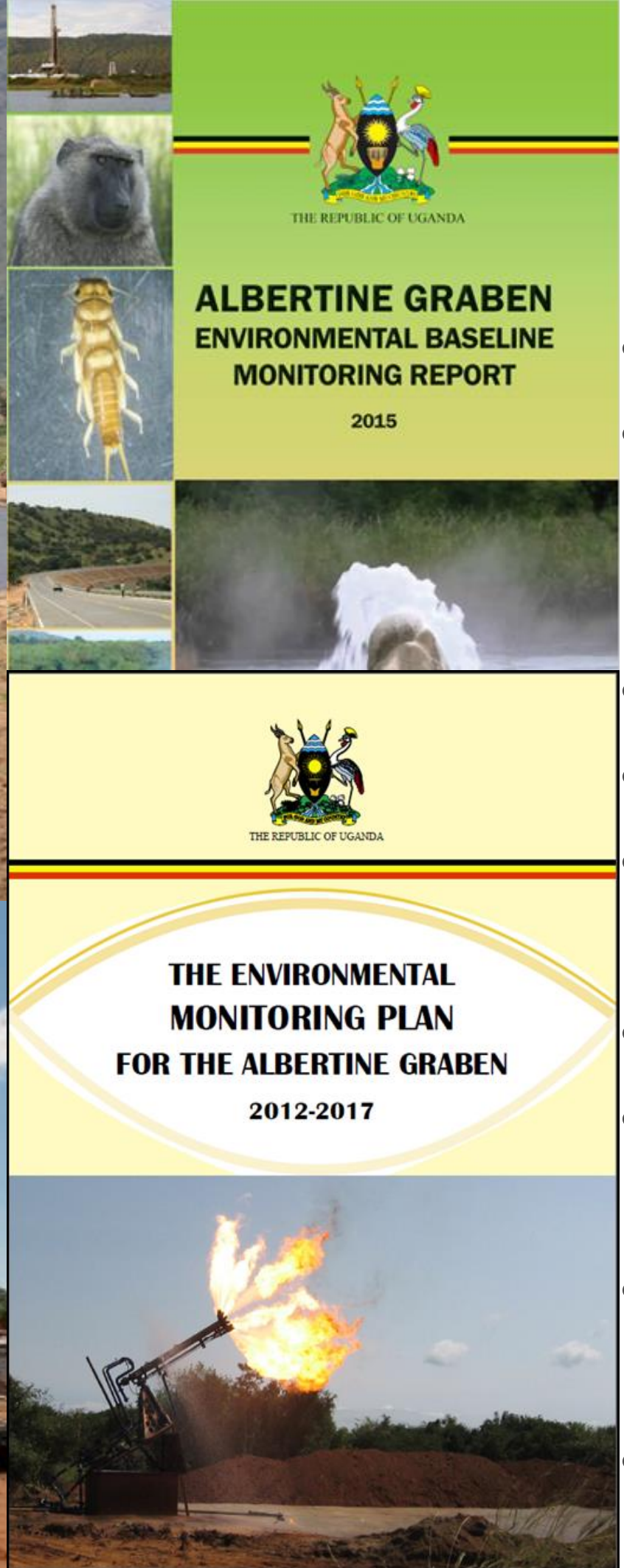




# Environmental Data Management



- Management of environmental data (standards)
- Collaboration between stakeholders (data sharing)
- Digitalisation (technology utilisation)
- Developing products for environmental management (application)
  - Sensitivity Atlases



# Albertine Graben Monitoring Plan



- Work started in 2010
- Geographical scope: Murchison Falls/Lake Albert
- AQUATIC ECOSYSTEMS
- TERRESTRIAL ECOSYSTEM
- PHYSICAL AND CHEMICAL ENVIRONMENT
- SOCIETY
- BUSINESS AND MANAGEMENT
- Work still ongoing to complete the baseline
- Continued collaboration with industry important



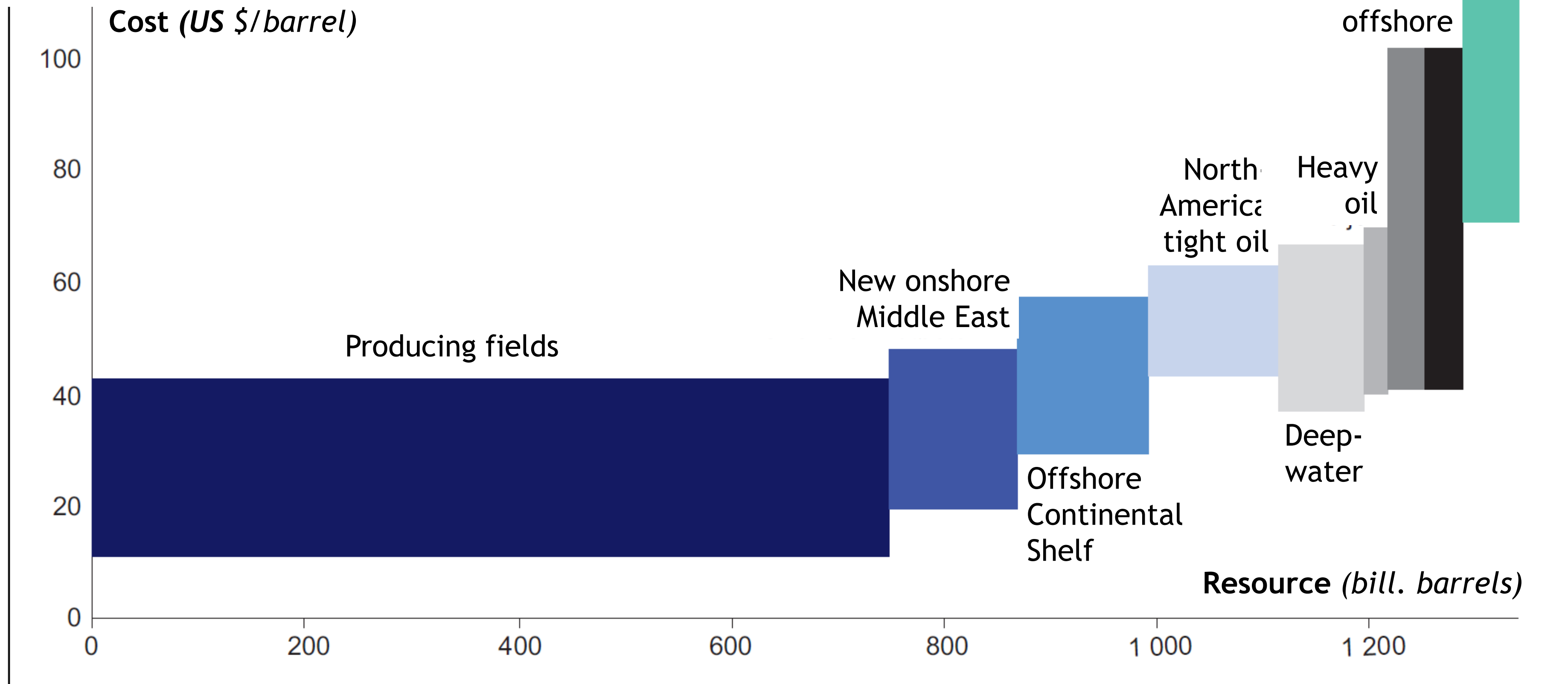
# Climate change and Oil and Gas



- GHG emissions from oil and gas sector
- Monitoring and reporting
- Mitigation
- Regulation
- Climate risk - «Stranded assets»



# Know where you belong in this chart



# Use of external resources/strategic partnerships



- Joint framework agreement for consultancy services
- Agreement with UN Environment
  - Country and Capacity Needs Assessments
  - Training courses (Basic foundation course, chemicals and waste, petroleum in sensitive areas, contaminated soil, emissions to air and climate change, oil spill preparedness)
- Agreement with UNEP-WCMC
  - Environmental data management
- Partnership with Netherlands Commission on Environmental Assessment (NCEA)

**FIRST ANNOUNCEMENT AND  
CALL FOR SESSION PROPOSALS**



39th Annual Conference of the  
International Association for Impact Assessment

29 April - 2 May 2019  
Brisbane Convention & Exhibition Centre  
Brisbane, Australia



**#WeCanMakeChange**