

## OECD – EU4Environment - EaP

# Analytical insights on EU approaches to monitoring of environmental compliance

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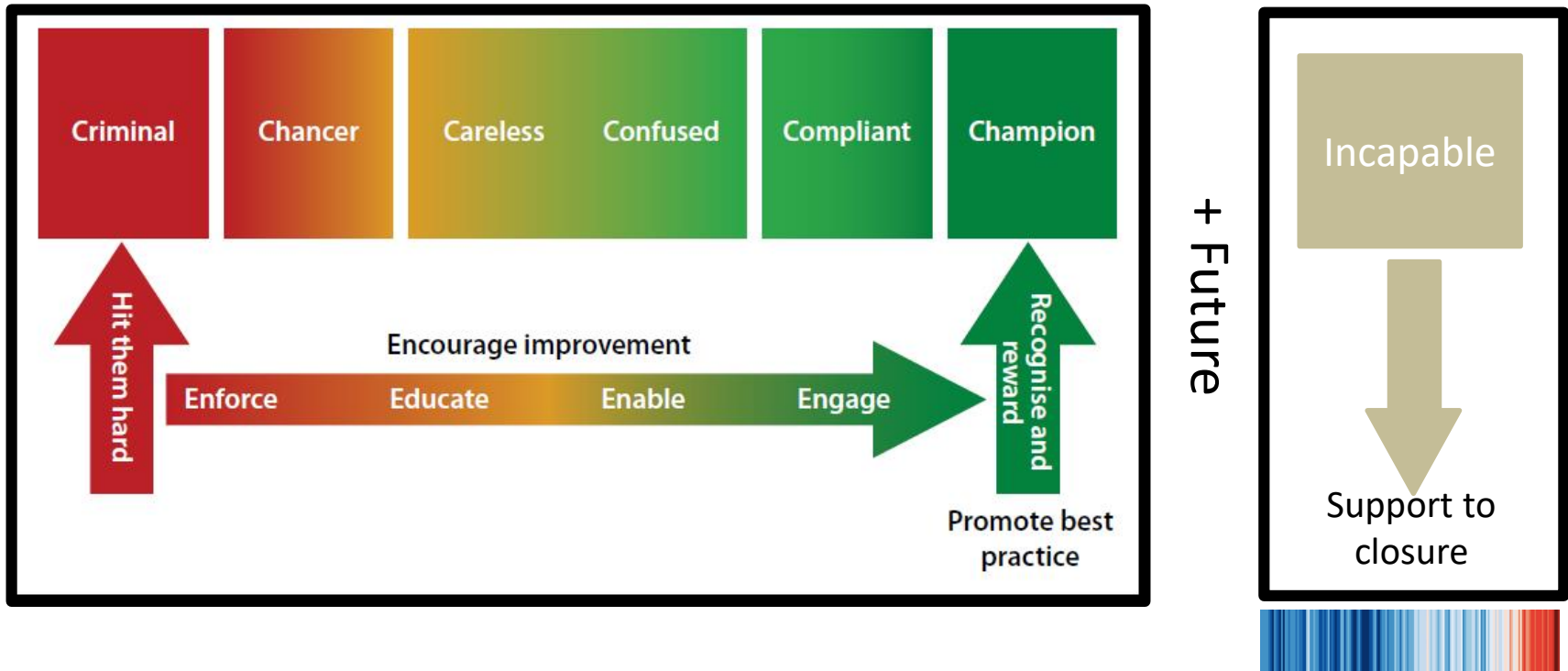
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# Compliance Assurance Tool Choice & Impact On Monitoring



\*Against  
Permit,  
Rules,  
Regulation  
etc

# Monitoring Environmental Compliance\*

Physical  
On-Site  
Inspection

Desk Based  
Inspection

Sampling

Remote  
Systems

**Efficient & Effective – get the job done & move on!**

# Monitoring Environmental Compliance

Physical  
On-Site  
Inspection

Desk Based  
Inspection

Sampling

Remote  
Systems

**Non Site Based Intel – eg. Markets, Trade Associations**

# 'Traditional' Inspection



- Routine, Planned, Reactive
  - Full audit
  - Targeted
  - 'Sample'
- Technology
  - Handhelds
  - Drones
  - FLIR Cameras
- Public sector collaboration



- Data
- Technical Reports
- Automation
  - Web platform
  - Analysis
  - Assessment
- Data Sharing



# 'Other' Monitoring



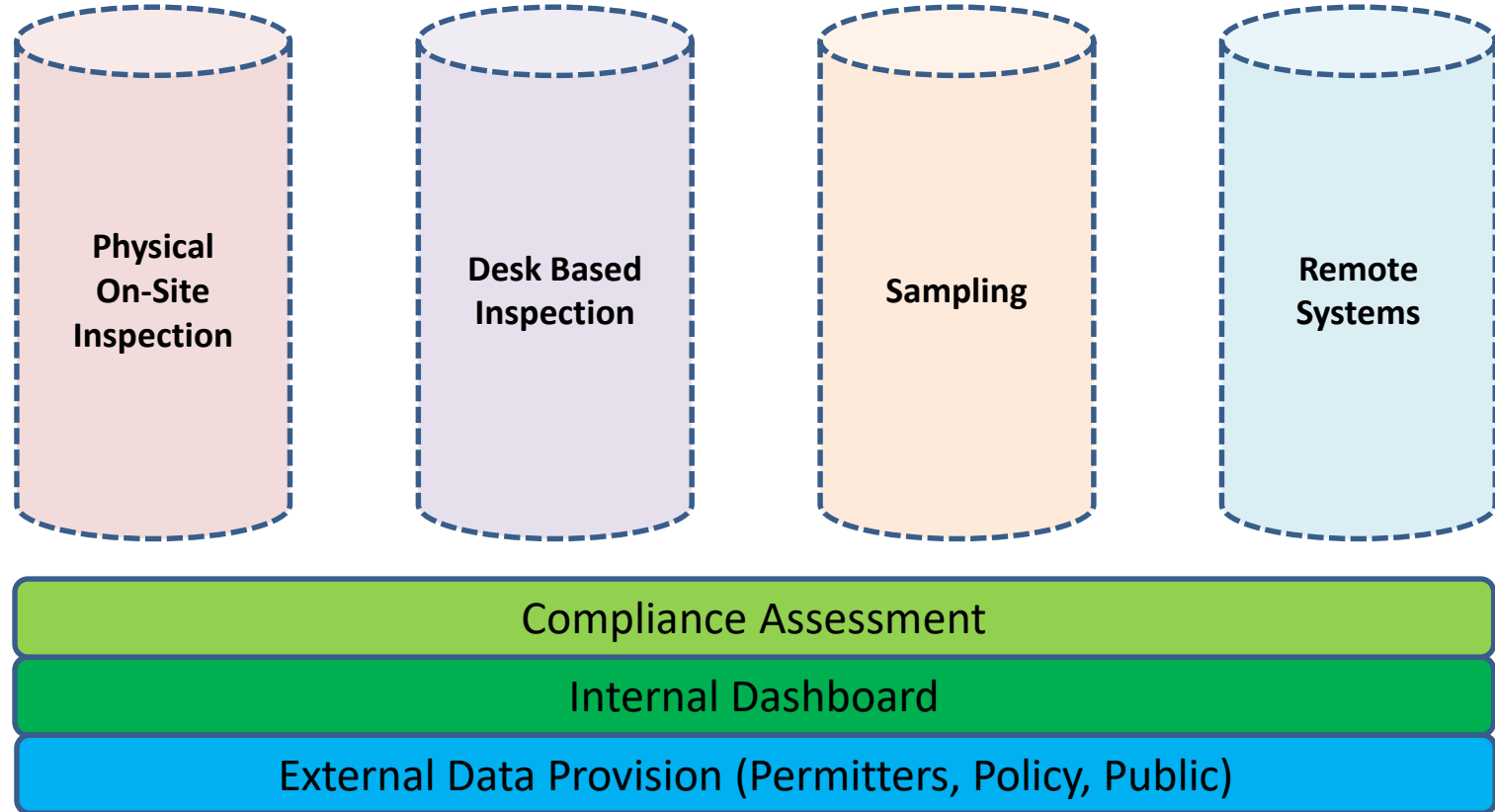
- Chemical Analysis
  - HV Routine
  - Stack & specialist
  - Mobile
- Ecology
  - Aquatic
  - Benthic
  - Habitat
- Biological
  - E. coli
  - Covid in sewage
- eDNA



- Remote sensing
  - Illegal logging
  - Asbestos
  - Soil Moisture
  - Waste
  - Nutrients
  - Albatross! <sup>Non-EU</sup>
- Remote Monitoring
  - 'dial in'
  - eNoses
- Waste Tracking
  - GPS
  - eSystems
- Covert Surveillance
  - Phone Tap
  - Camera Trap



# Assessment & Communication



End

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