



# CARIBBEAN WORKSHOP ON SYNTHETIC BIOLOGY

## View from a Biosafety Regulator

**National Center for Biological Safety**  
Ministry of Science, Technology and Environment .Cuba

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## Thinking about an Strategy for Synbio Governance





## NATIONAL AUTHORITY

- **A Ministry or Agency....Govermental body**

## Legal Framework

- International Treaties
- National Regulations (Law, DL, Resolutions..)

## Standards and Guidelines

- CWA 15793:2008, Laboratory biorisk management standard.
- CWA 16393: January 2012 Laboratory biorisk management - Guidelines for the implementation of CWA 15793:2008
- *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules*  
April, 2016

NATIONAL  
COORDINAT.  
MECHANISM

- **Involve all stakeholders**

Self-  
Governance

- The 7P Approach
- (Principal investigator/Process/Premises/Purshaser/Public/Publisher/Provider)

Oversight

- The control at Institutional level (IBC) and the oversight by the National Authority



## The Principles for the Oversight of Synthetic Biology

This document outlines the following principles necessary for the effective assessment and oversight of the emerging field of synthetic biology:

- I. Employ the Precautionary Principle
- II. Require mandatory synthetic biology-specific regulations
- III. Protect public health and worker safety
- IV. Protect the environment
- V. Guarantee the right-to-know and democratic participation
- VI. Require corporate accountability and manufacturer liability
- VII. Protect economic and environmental justice