



**COPANT**

# ***Survey on Sustainable Construction in Commercial Buildings***

COPANT Workshop  
St. Lucia  
April 23, 2013



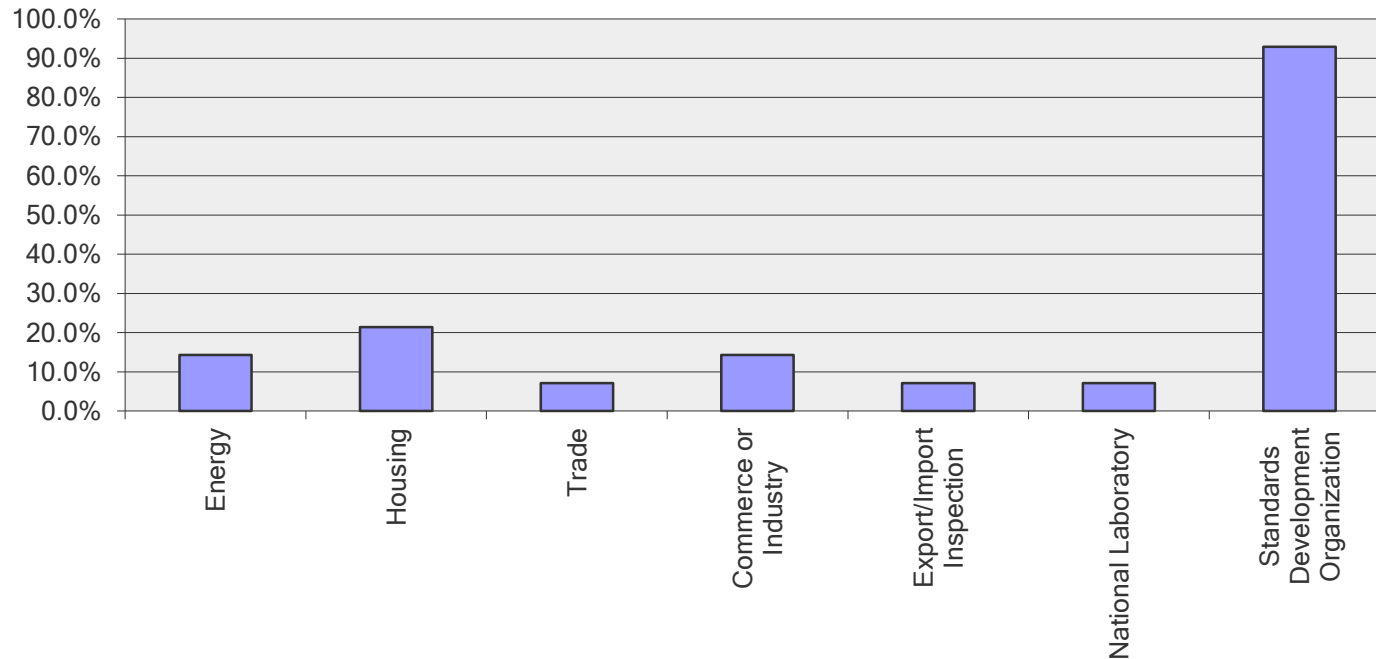


# *Survey Scope*

- The Survey attempts to create a fundamental body of knowledge that will serve as a baseline for additional research, enable information exchange and increase dialogue among regulators and business leaders in the COPANT region
- The Survey is organized into four general categories:
  - Policy, Codes and Standards
  - Implementation and Enforcement
  - Evaluation of Green/Sustainable Performance Attributes
  - Green/Sustainable Construction Products
- The Survey was not intended to apply to the retrofitting of existing buildings or to residential buildings

# *Respondents (Section One)*

- 15 of 28 member countries of COPANT responded
- Most respondents work in Standards Development



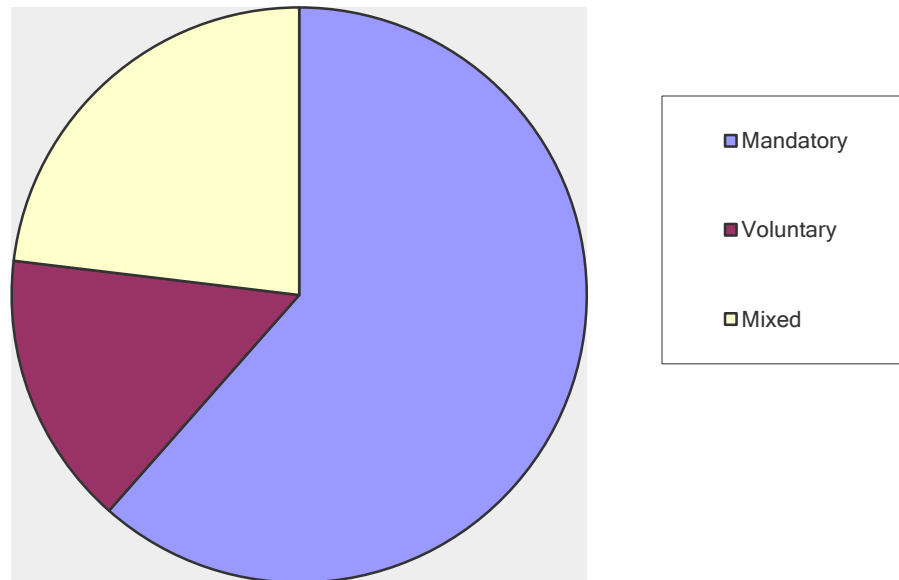


# ***Technical Regulations, Codes and Standards***

## **Section Two**

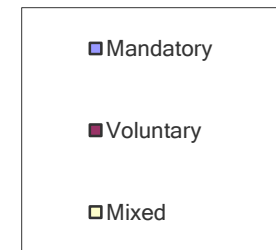
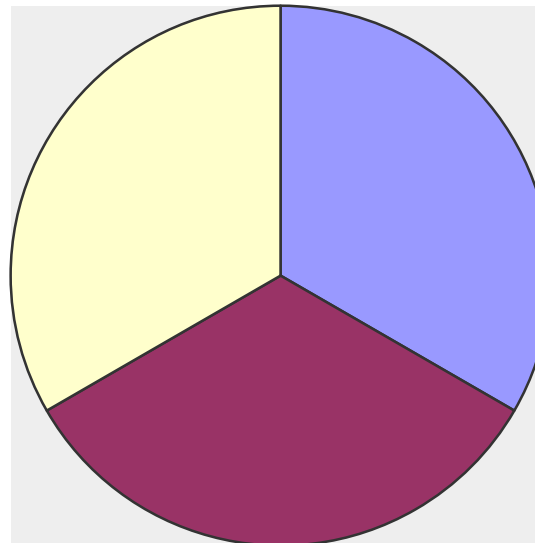
# *National Building Code*

- 13 of 15 respondents had a national building code or policy for commercial buildings
- The codes were mandatory in 8 countries, voluntary in 2, and mixed in 3



# *Green/Sustainable Provisions*

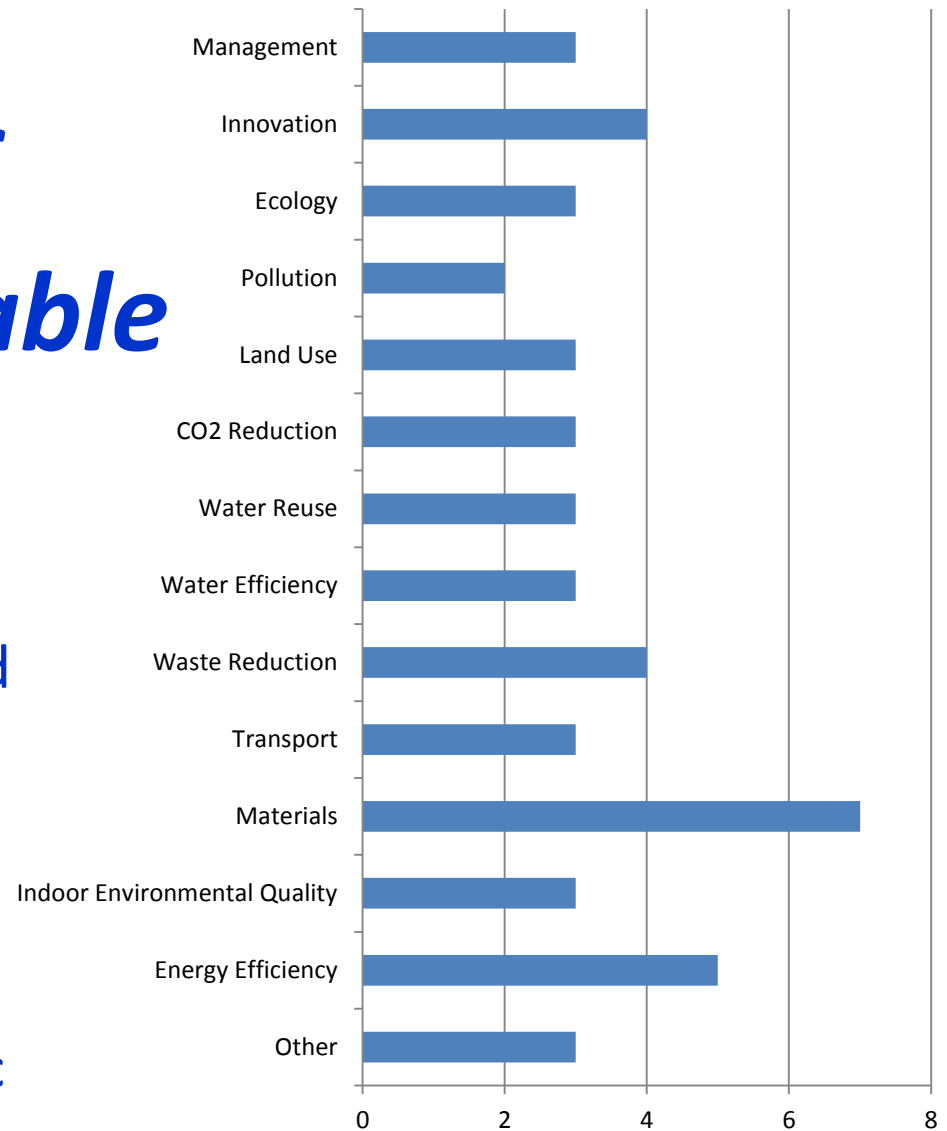
- 5 of 15 respondents had a code or policy that incorporated green/sustainable provisions, 4 countries have something under development
- Of the 9 countries with provisions in place or under development, the provisions were mandatory in 3 countries, voluntary in 3, and mixed in 3





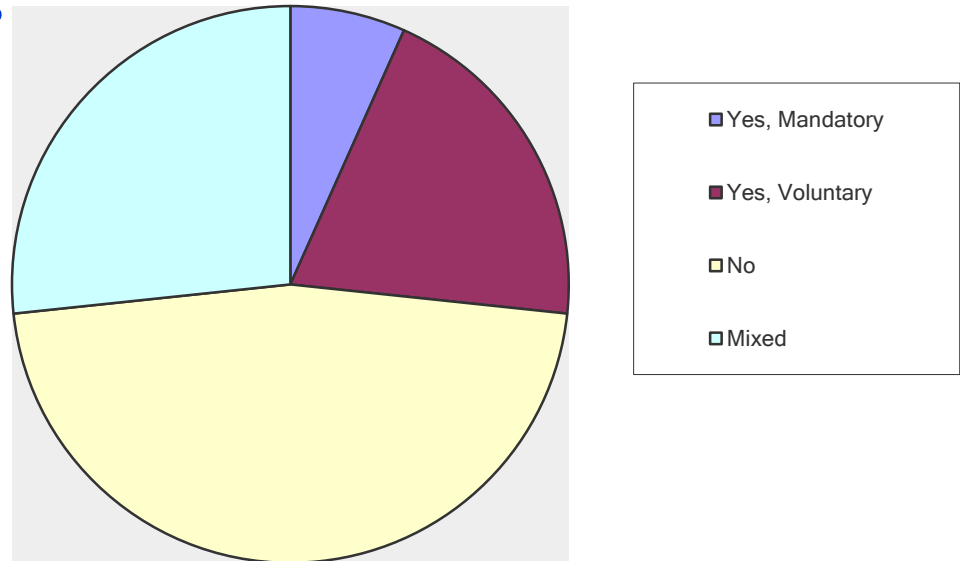
# Components of Green/Sustainable Provisions

- 7 of 15 countries responded to this question
- “Other” components included HVAC-vapor and air ingress, renewable energy, and socio-economic aspects (wellness space)



# *Use of Referenced Standards for Green/Sustainable Provisions*

- 1 mandatory, 3 voluntary, 4 mixed, and 7 none
- 2 respondents reported using international standards and others used a combination of national, regional and international standards





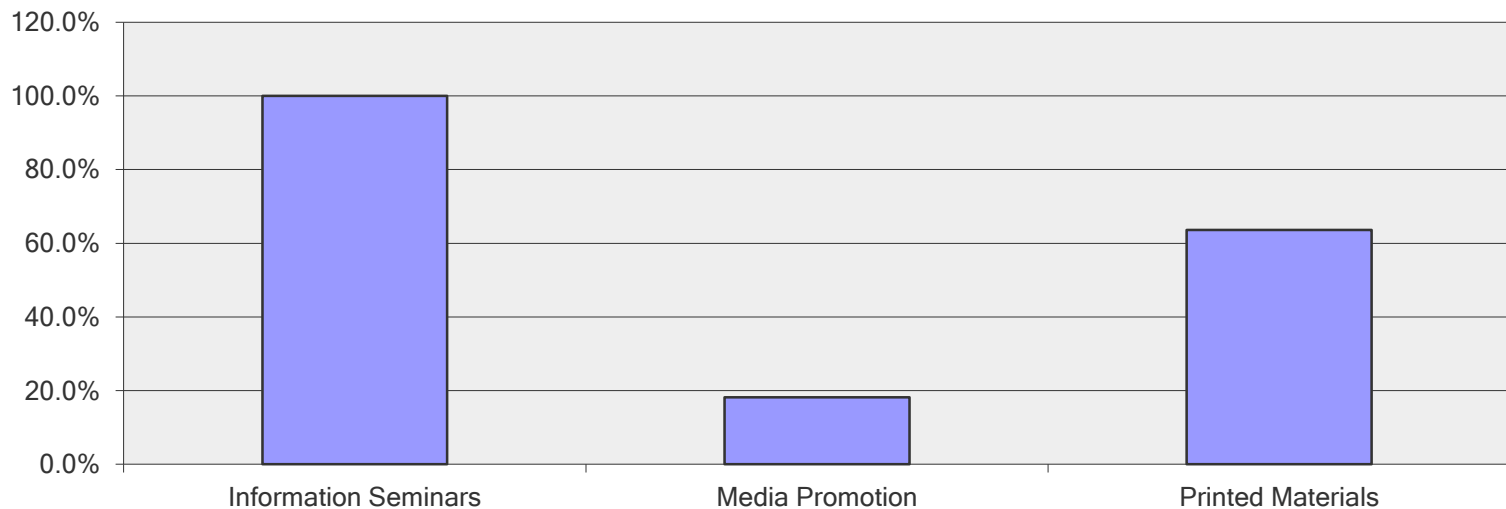


# ***Implementation and Enforcement***

## **Section Three**

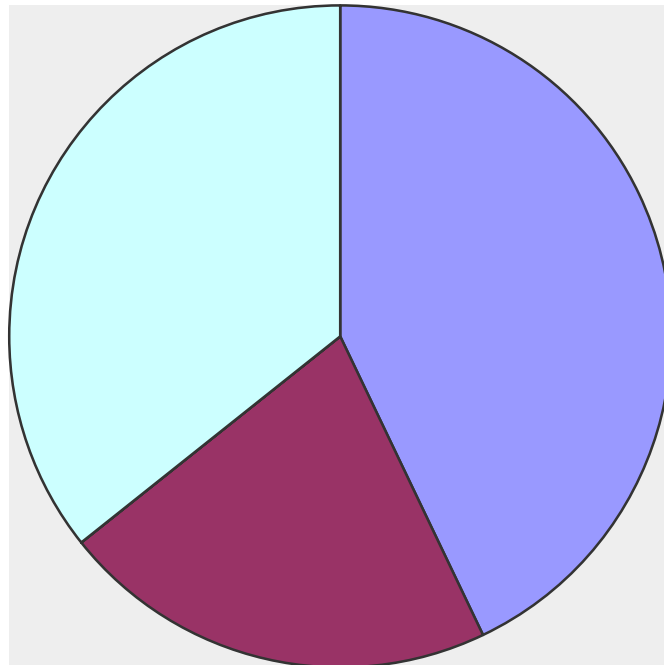
# *Promotion of Commercial Building Codes*

- 11 of 11 respondents reported using Information Seminars, 2 are also using Media Promotion, and 7 use Printed Materials



# Enforcement

- 6 respondents reported Inspections by Government Officials, 3 by Private Organizations, and 5 Not Enforced



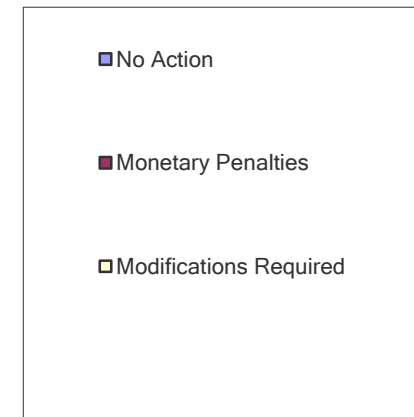
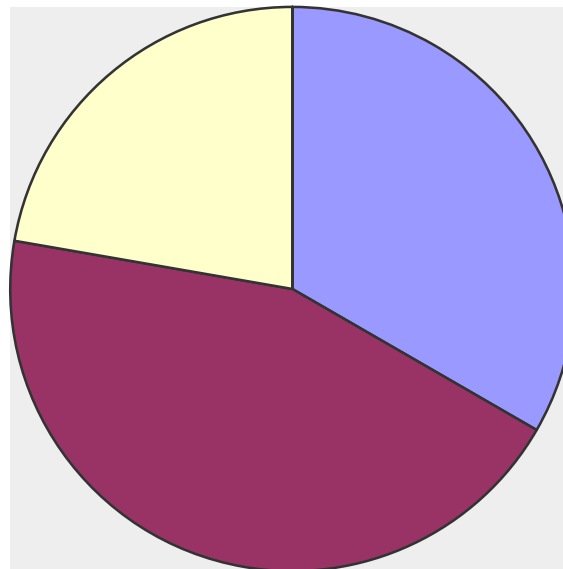
# *Training of Inspectors*

- 3 respondents reported that training is carried out through a government course and 3 reported inspectors attending privately held courses
- In 4 cases, individuals meeting the course requirements received “certificates” and in 2 cases, “licenses”



# Code Compliance

- 4 respondents reported Monetary Penalties if a building is found not to meet mandatory codes, 3 No Action, and 2 Modifications Required
- Only 2 countries reported more than 10 % of commercial buildings conform to green/sustainable codes



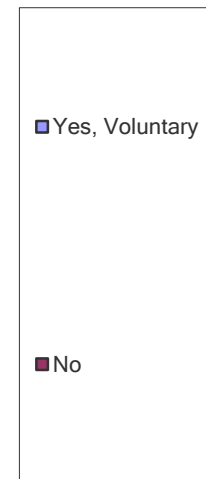
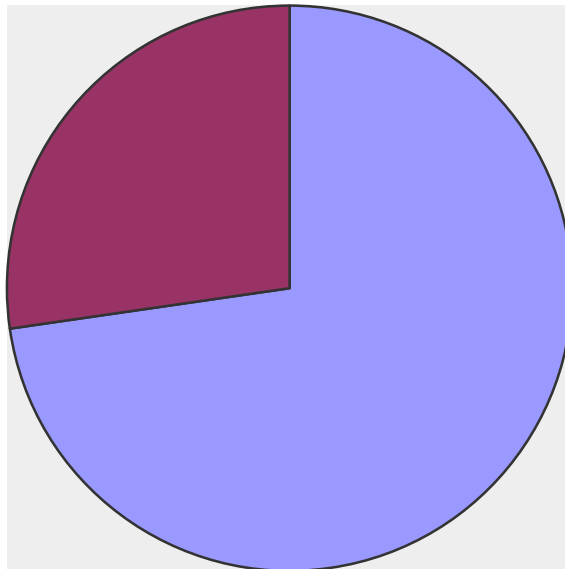


# ***Evaluation of Green/Sustainable Performance Attributes***

## **Section Four**

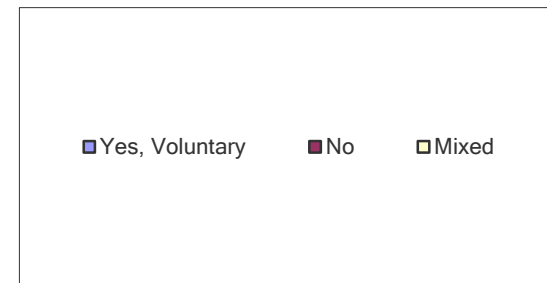
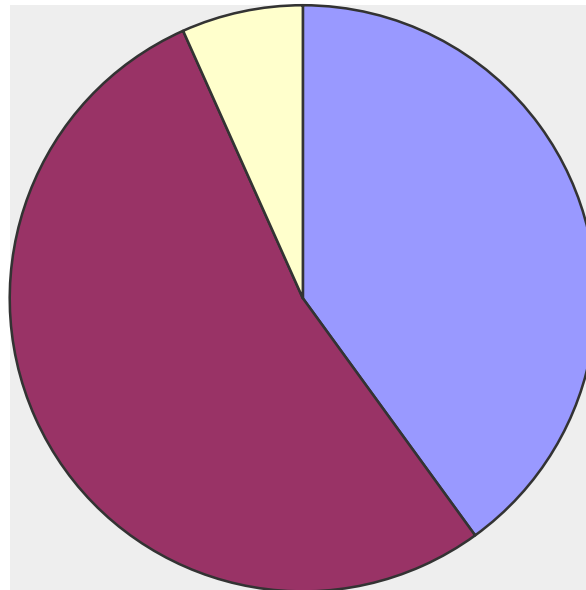
# *Rating or Labeling System (such as LEED)*

- 8 respondents reported some use of a Voluntary System and 7 reported no such Rating System



# *Other Process to Certify Green/Sustainable Aspects*

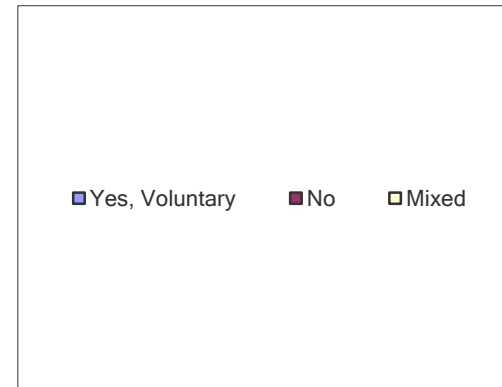
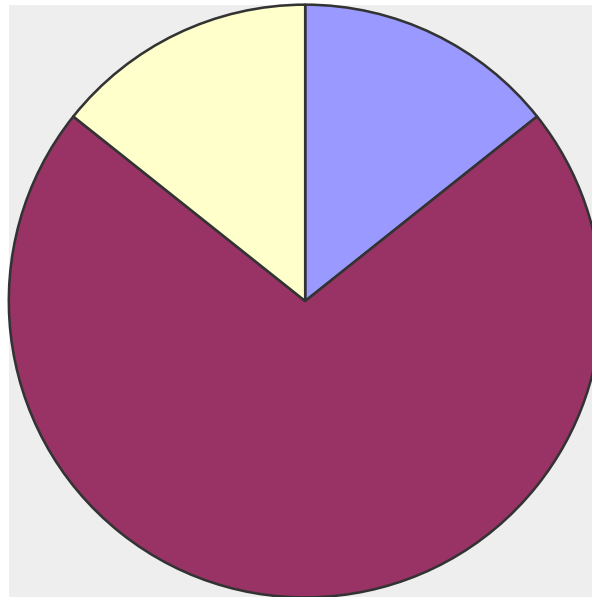
- 6 respondents reported a Voluntary System, 8 reported No Other Process, and 1 reported a Mixed Process





# *Process to Verify Performance (Commissioning)*

- 2 respondents reported a Voluntary System, 10 reported No Verification Process, and 2 reported a Mixed Process





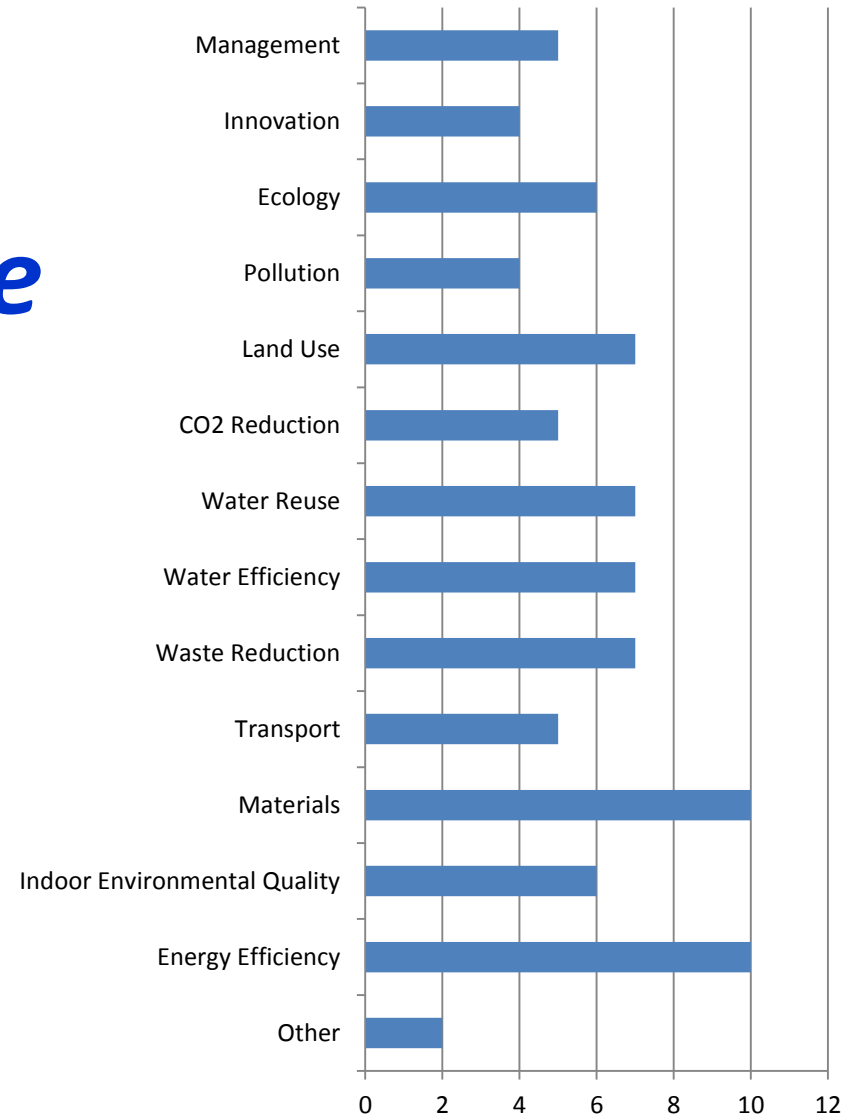
# ***Green/Sustainable Construction Products***

## **Section Five**



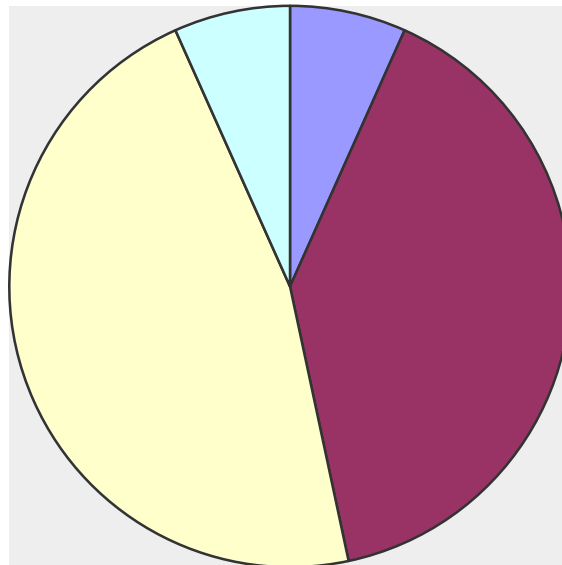
# Components of Green/Sustainable Construction Products

- 12 of 15 countries responded to this question
- “Other” components included HVAC-vapor and air ingress, and provided upon request by private organization



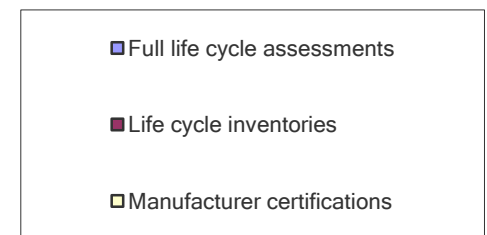
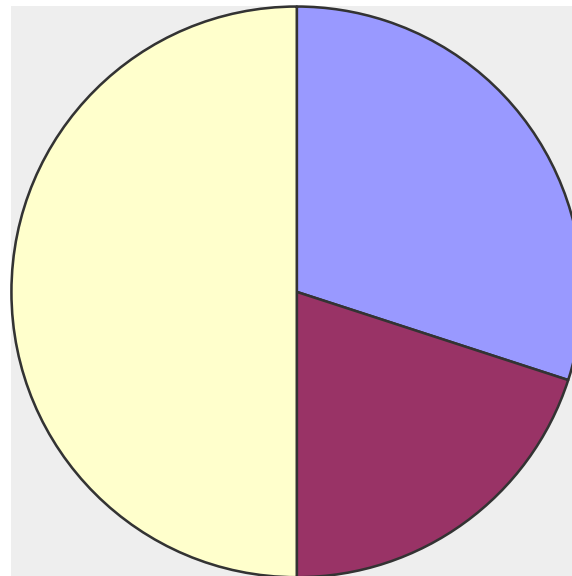
# *Certification of Green/Sustainable Construction Products*

- 1 respondent reported a Mandatory Process, 6 reported a Voluntary System, 7 reported No Process, and 1 reported a Mixed Process



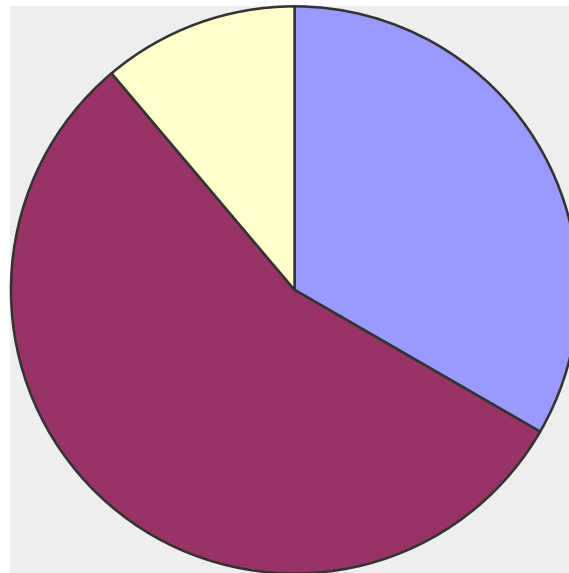
# Measurement of Life Cycle Attributes

- Of 10 respondents, 3 reported using Full Life Cycle Assessments, 2 Life Cycle Inventories, and 5 Manufacturer Certifications



# *Trading Green/Sustainable Construction Products*

- Results from respondents showed that imports are much more likely to be monitored for green/sustainable aspects than exports





***Thank You for Your  
Attention!***



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