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**International Forum on Sustainable Infrastructure**

Establishing globally accepted standards for sustainability in infrastructure development.

Hanoi, 18 May 2017

# SuRe<sup>®</sup> Standard

The Standard for Sustainable and Resilient infrastructure



Implementing  
sustainability and  
resilience criteria into  
infrastructure projects

## What?

- A **global voluntary standard** which integrates sustainability and resilience aspects into infrastructure development and upgrade

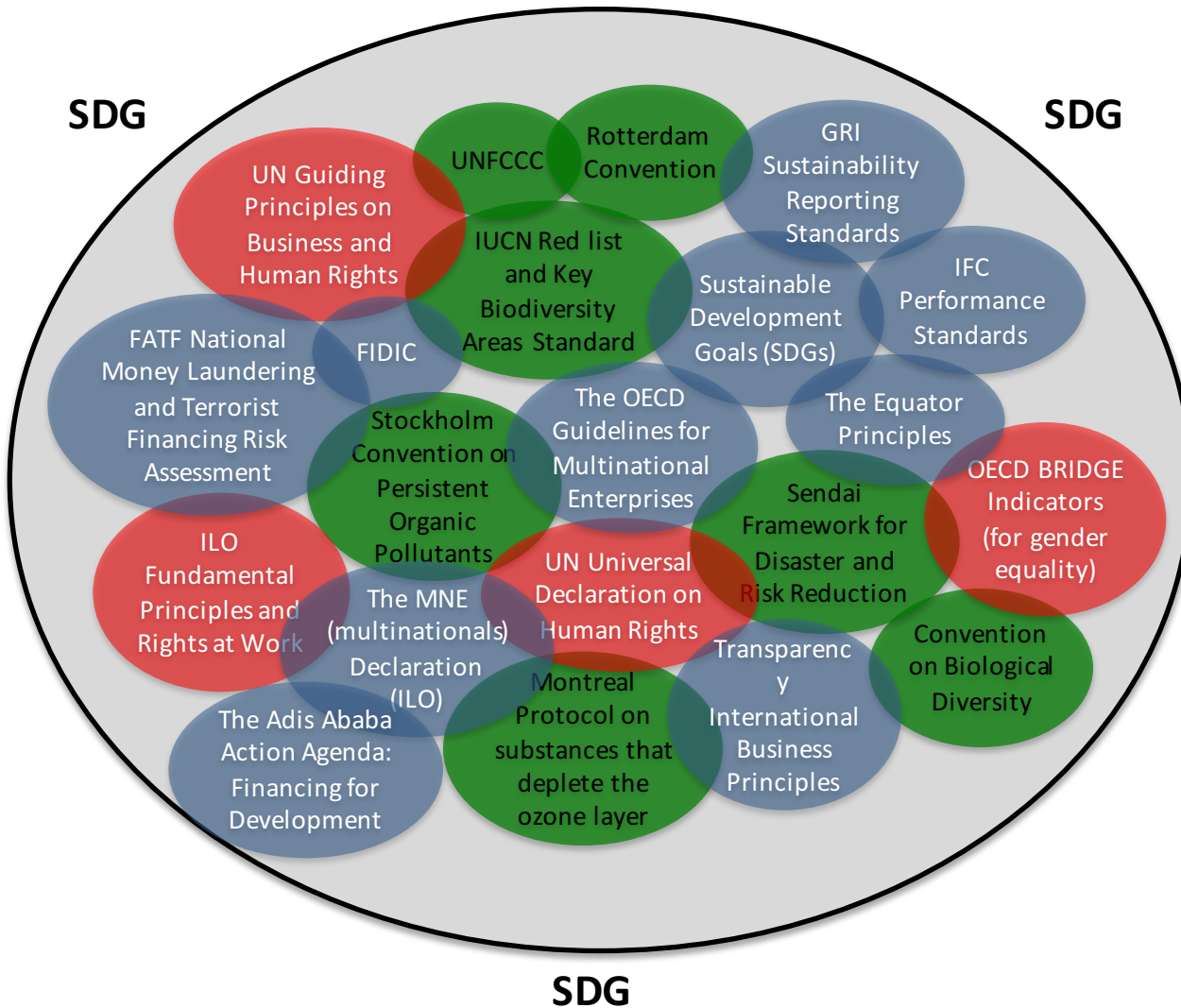
## Why?

- Establish a **common language and understanding** between project developers, financiers and public sector institutions around sustainable and resilient infrastructure
- **Improve the attractiveness** of sustainable and resilient infrastructure to multilateral and private investors, therefore **channeling greater financing flows**

## Characteristics?

- Relies on **independent verification and certification** of infrastructure projects throughout their life cycles
- Applicable to infrastructure projects **across sectors in developed, emerging and developing countries**
- Applicable during **design, construction, operation and decommissioning phases**
- Relevant to three main groups of stakeholders i.e. project developers, financiers and public sector institutions

# The SuRe<sup>®</sup> Standard is in line with the Following International Frameworks



The SuRe Standard brings existing international frameworks and agreements on **environmental**, **social** and **governance** topics together.

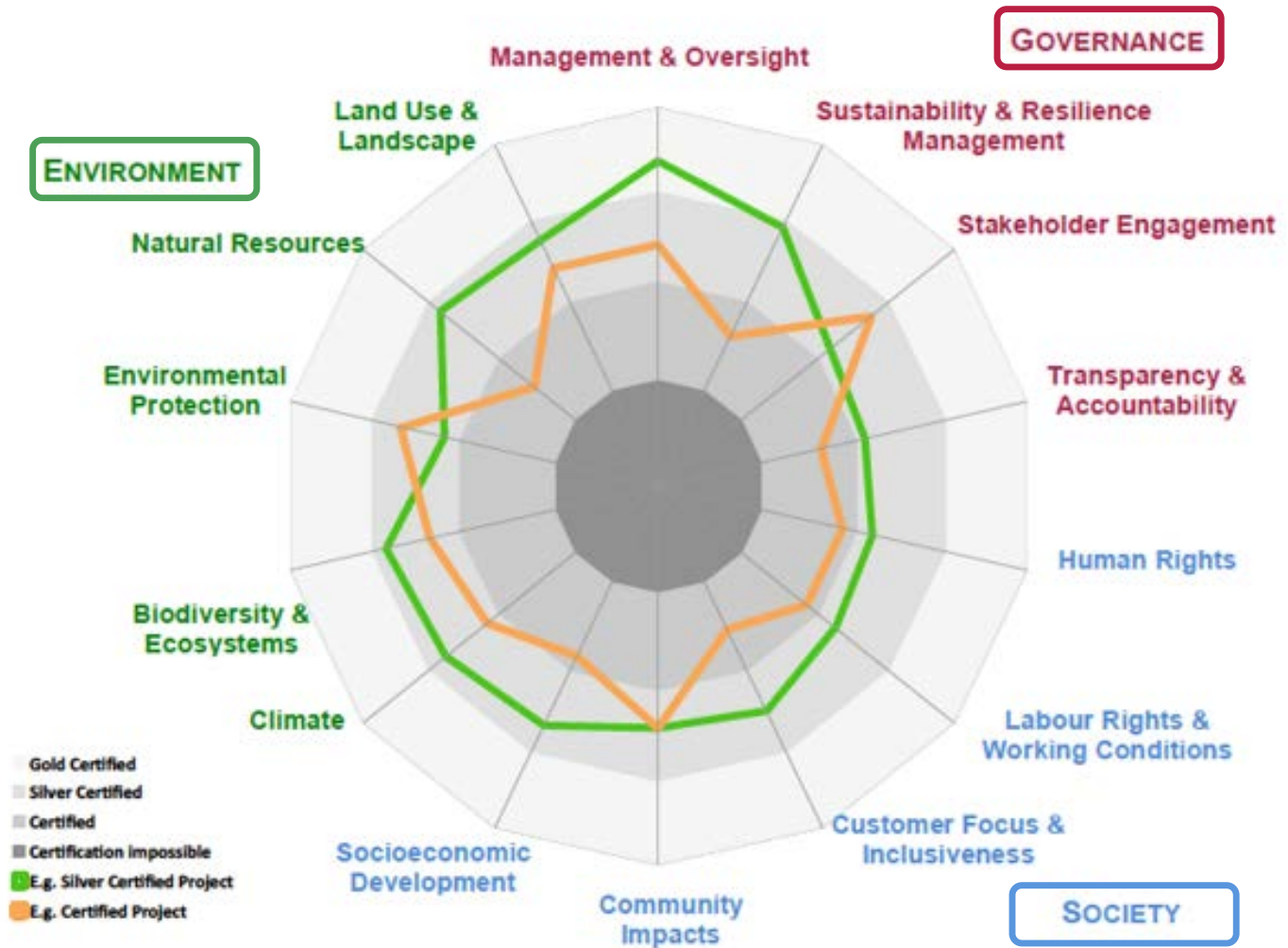
# SuRe<sup>®</sup> Standard

Three dimensions, 14 themes and 65=46 Management Criteria+17 Performance Criteria+2 Overarching Criteria

3 Dimensions	14 Themes	63 Criteria	+ 2	
ENVIRONMENT	Climate	19	Materiality Assessment	Reporting & Impact Assessment
	Biodiversity and Ecosystems			
	Environmental Protection			
	Natural Resources			
	Land Use and Landscape			
SOCIETY	Human Rights	25		
	Labour Rights and Working Conditions			
	Customer Focus and Inclusiveness			
	Community Impacts			
	Socioeconomic Development			
GOVERNANCE	Management and Oversight - Financial Sustainability	19		
	Sustainability and Resilience Management			
	Stakeholder Engagement			
	Transparency and Accountability			

# SuRe<sup>®</sup> Standard

Sample assessment of two projects using the SuRe<sup>®</sup> Standard



# SuRe® Governance

an initiative co-led by Global Infrastructure Basel Foundation and Natixis Investment Bank

## Governance Bodies

- **Standard Committee (15 experts)**
  - Principal decision-making body for the standard-setting process and revision
  - Stakeholder balance
- **Stakeholder Council (up to 40 members)**
  - Provides a forum for information exchange
  - Regional balance: members of developed and developing countries
  - Nominates members of the Standard Committee
- **Secretariat (GIB Foundation and Natixis Investment Bank)**
  - Coordinates the development of the standard on a daily basis
  - Collaborates closely with other SuRe® Governance bodies

## Multi-Stakeholder Approach

- **Public Sector:** Federal Office for the Environment (FOEN), International Council for Local Environmental Initiatives (ICLEI) Cities: Boston, Fortaleza, New Orleans, Tshwane
- **Financiers** (incl. MDBs): European Investment Bank (EIB), World Bank GIF, Global Environment Facility (GEF), India Integrated Infrastructure Finance Bank (IDFC), Mirova, Santam Insurance, African Infrastructure Investment Managers (AIIM), Argaam Capital, European Bank for Reconstruction and Development (EBRD)
- **Project Developers:** Bouygues Construction, General Electric, Infrastructure Leasing & Financial Services Limited (IL&FS); Association of Chinese Plant Engineers (CAPEC), International Federation of Consulting Engineers (FIDIC)
- **Civil Society:** Institute for Development Environment and Energy (IDE-E), MCE Legal Advocats
- **NGOs:** Climate-KIC, CREAM-PPP, GIP Pacifico Colombia, The Nature Conservancy, World Resources Institute (WRI) Ross Centre, Green Economy Coalition, WWF International, WWF Switzerland
- **International Organisations:** OECD, UN-HABITAT, UNOPS
- **Bilateral Organisations:** Gesellschaft für Internationale Zusammenarbeit (GIZ),
- **Consultants & Certifiers:** Environmental Resources Management (ERM), Mott MacDonald, true&fair.expert

# GIB's Relation to Green Finance



SuRe® Standard

Green Bond Issuance and Refinancing according to SuRe® Standard



NATIXIS

- 1) SmartScan
- 2) Certification

Return

Equity



Infrastructure Project

Premium

Insurers

Debt



Interest

SuRe Underwriting

SuRe® Standard

SuRe® Standard

Credit SuRe



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# SuRe<sup>®</sup> Standard

Integration of **Natural Capital, Ecosystem Services** and **Nature-Based Solutions** concepts into infrastructure planning and design

## Dimension: Environment

### Theme: Biodiversity and Ecosystems

#### Purpose:

Integration of **natural capital** concepts, **ecosystem services** and **nature-based solutions (NBS)**, identification of potential for further positive impacts, in accordance with the Convention on Biological Diversity and related protocols, and avoidance of negative impacts on biodiversity and ecosystems.

#### Criteria:

- Biodiversity and Ecosystem Management
- Biodiversity and Ecosystem Conservation
- Invasive Alien Species
- Forest Conservation
- Land Use

#### Performance Levels

##### Performance Level 1

Approx. 10% better than industry norms

##### Performance Level 2

Approx. 20% better than industry norms  
(Implements good international practices)

##### Performance Level 3

Approx. 40% better than industry norms  
(Demonstrating innovation and significant benefits)

#### Mitigation hierarchy:





# Biodiversity & infrastructure project dependencies

Assessment of dependencies of natural capital, ecosystem services with infrastructure and potential to increase to natural capital by the use of NBS

Proper infrastructure planning and design (*e.g. habitat connectivity*)

Provision of benefits to the infrastructure project

Mitigation measures (*e.g. use of NBS to repopulate the area with vegetation*)

**SUSTAINABLE AND RESILIENT INFRASTRUCTURE**

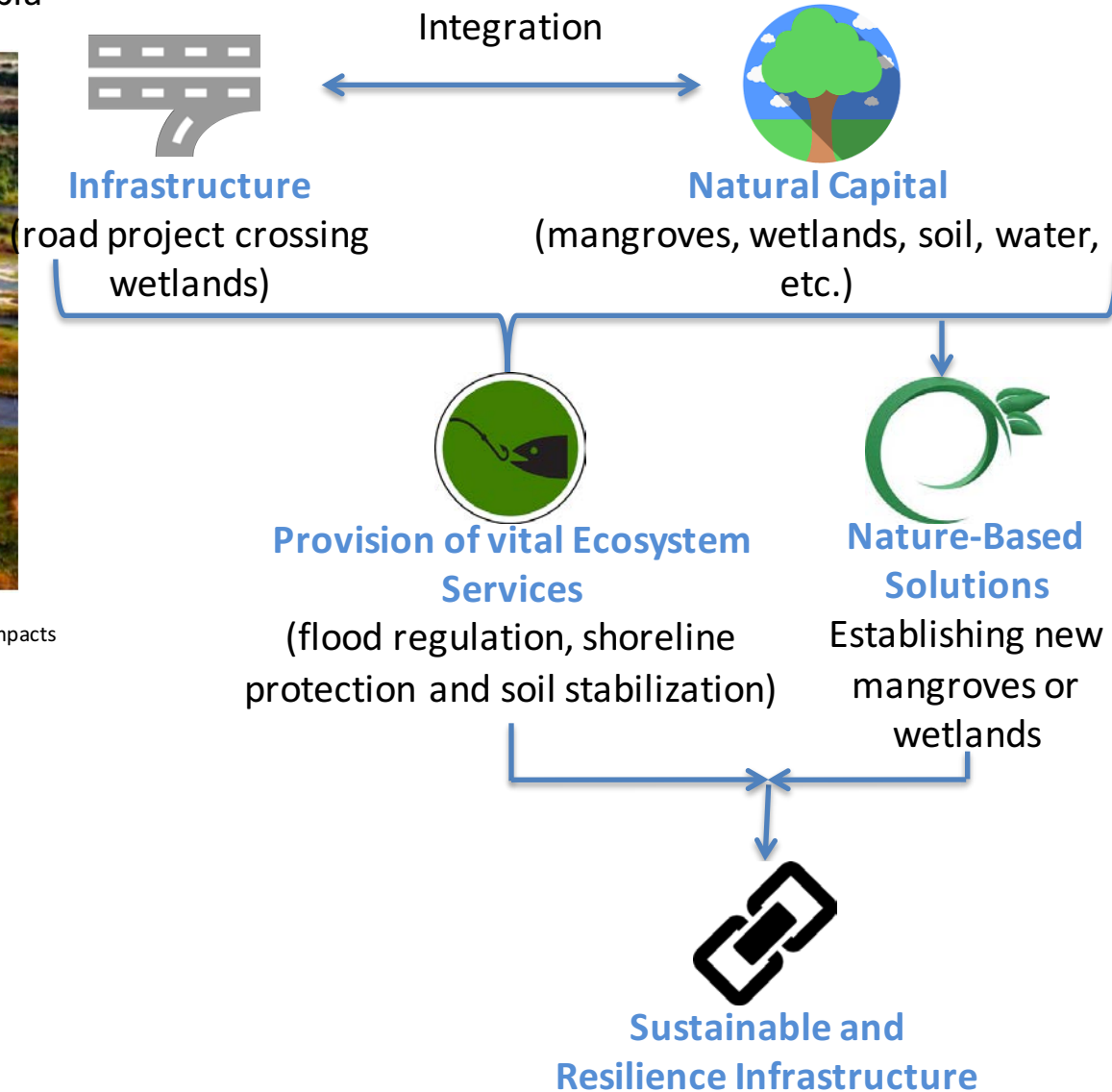


# Example I.

Ciénaga-Barranquilla highway in Colombia



Source: IDB. Natural Capital & Roads: Managing dependencies and impacts on ecosystem services for sustainable road investments.

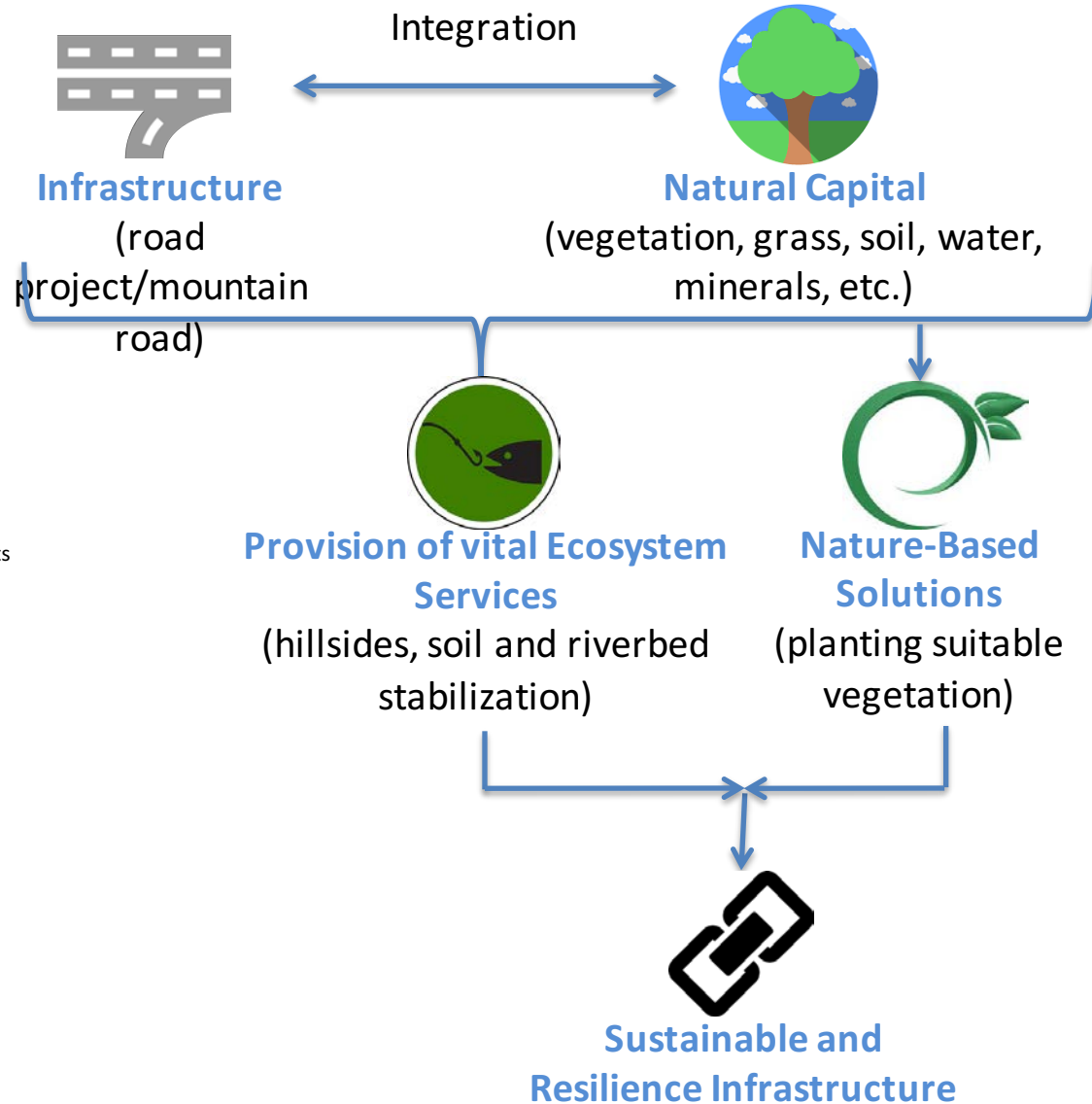


# Example II.

Road linking Pucallpa, Peru with  
Cruzeiro do Sul, Brazil



Source: IDB. Natural Capital & Roads: Managing dependencies and impacts on ecosystem services for sustainable road investments.

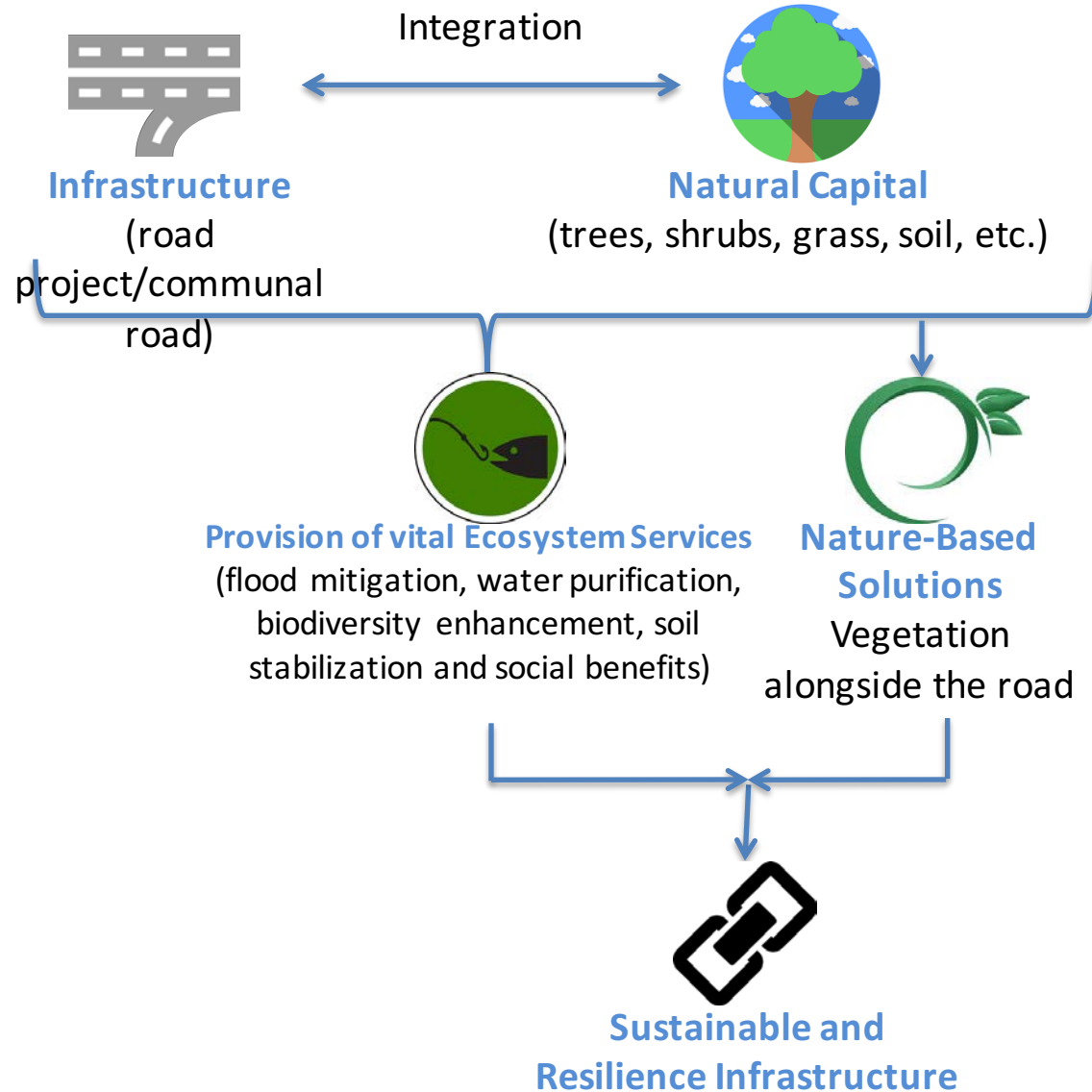


# Example III.

Nashville, USA



Source: <https://www.pinterest.com/suzyycho/green-infrastructure-%2B/>



Thank you for your attention



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