



THE STANDARD FOR
SUSTAINABLE AND RESILIENT
INFRASTRUCTURE

INTRODUCTION TO SURE

Katharina Schneider - Roos

CEO

Global Infrastructure Basel Foundation



““ Infrastructure in emerging and developing countries are estimated to account for the **vast majority** of the required finance to meet the **Sustainable Development Goals (SDGs)**”

— OECD & WEF

Our Vision

Infrastructure for a sustainable future

A stakeholder-driven
Standard facilitating
the development and
financing of
Sustainable and
Resilient Infrastructure
Globally



SuRe[®] Standard

The Standard for **Sustainable** and **Resilient infrastructure**



**Mainstreaming
sustainability and
resilience in
infrastructure projects**

What?

- An initiative co-led by **Global Infrastructure Basel Foundation** and **Natixis Investment Bank**
- 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 and operation phases**
- Relevant to three main groups of stakeholders i.e. project developers, financiers and public sector institutions

SuRe[®] working for SDGs

Theory of Change to support SDGs

The SuRe[®] Standard Helps Projects to..

Input



mitigate risks and maximise service delivery
creating benefits to Society and the Environment ...

Activities



which leads to more quality infrastructure...



Outputs

and paves the way for deeper global achievements...

Outcome



Impact

creating lasting impacts to our most difficult challenges.



SuRe[®] Standard

Three dimensions, 14 themes and 61=46 Management Criteria+15 Performance Criteria+2 Overarching Criteria

3 Dimensions	14 Themes	61 criteria	+ 2	
 Environment	Climate	18	Materiality Assessment	Reporting
	Biodiversity and Ecosystems			
	Environmental Protection			
	Natural Resources			
	Land Use and Landscape			
 Society	Human Rights	24		
	Labour Rights and Working Conditions			
	Community Impacts			
	Customer Focus and Community Involvement			
	Socioeconomic Development			
 Governance	Management and Oversight - Financial Sustainability	19		
	Sustainability and Resilience Management			
	Stakeholder Engagement			
	Transparency and Accountability			

SuRe[®] Governance

An initiative co-led by [Global Infrastructure Basel Foundation](#) and [Natixis Investment Bank](#)

Governance Bodies

Standard Committee (14 experts)

- Principal decision-making body for the standard-setting process and revision
- Stakeholder balance

Stakeholder Council (up to 30 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), Gesellschaft für Internationale Zusammenarbeit (GIZ), 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

Project Developers: Bouygues Construction, General Electric, Infrastructure Leasing & Financial Services Limited (IL&FS)

Civil Society: World Resources Institute (WRI) Ross Centre, Institute for Development, Environment and Energy (IDE-E), MCE Legal Advocats, United Nations Office for Project Services, Green Economy Coalition, WWF International

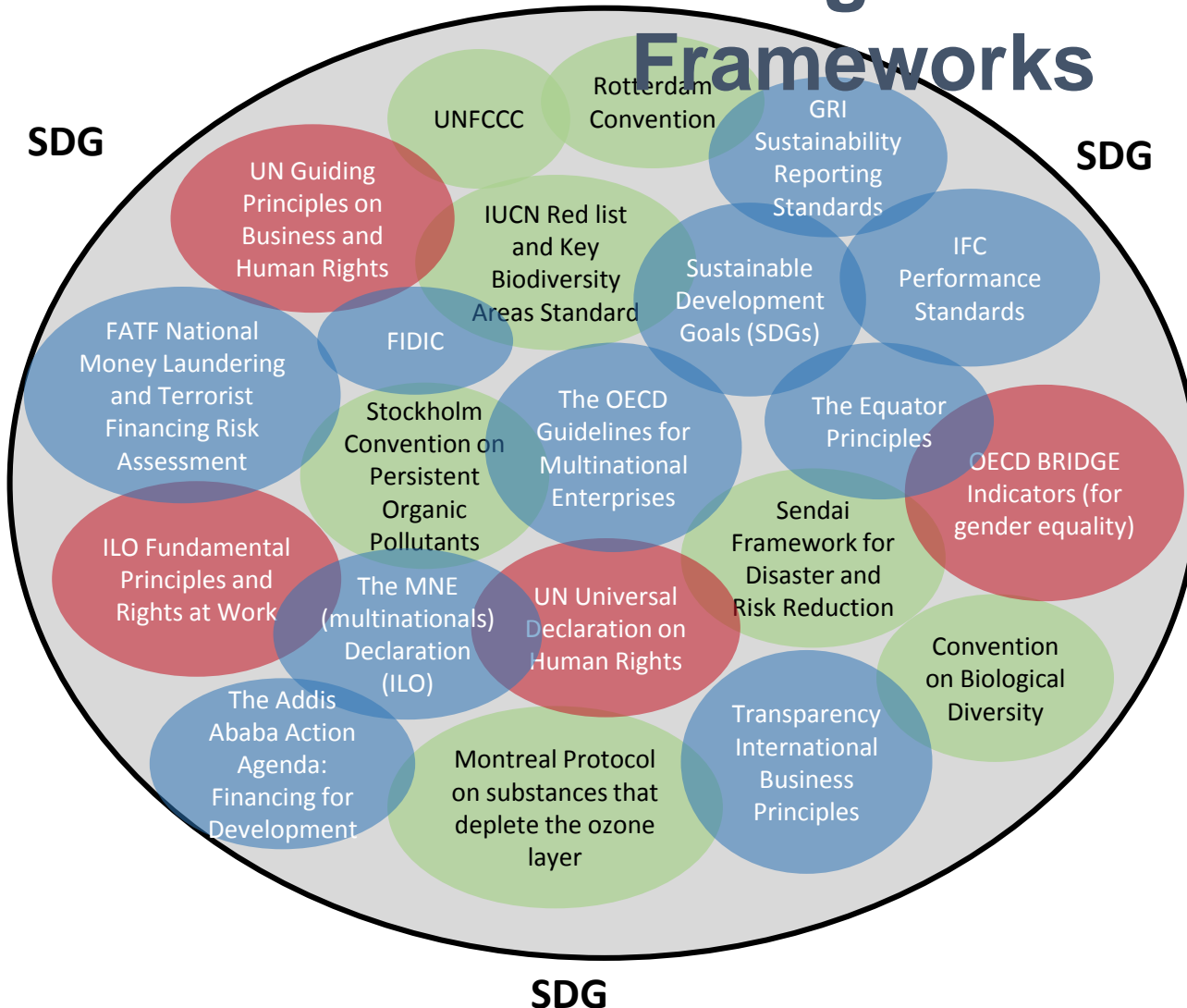
NGOs: Climate-KIC, CREAM-PPP, GIP Pacifico Columbia, The Nature Conservancy, WWF Switzerland

International Organisations: OECD, UN-HABITAT, UNOPS

Consultants & Certifiers:

Association of Chinese Plant Engineers (CAPEC), International Federation of Consulting Engineers (FIDIC), Environmental Resources Management (ERM), Mott MacDonald, true&fair.expert

The SuRe® 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.

In what ways are SuRe® Projects Better?

What should you expect from a **Bronze, Silver and Gold**
Project?



Not Certified

Bronze

Silver

Gold

Have thoroughly identified and mitigated material Environmental, Social and Governance risks	?	Yes ✓	Yes ✓	Yes ✓
Compliant with SuRe's safeguarding Red Criteria	?	Yes ✓	Yes ✓	Yes ✓
Perform above international industry norms	?	Good ✓	Better ✓✓	Best ✓✓✓
Demonstrate significant contribution to international goals within frameworks such as Sendai, ILO, UNFCCC, CBD, SDGs	?	Yes ✓	More ✓✓	Significant ✓✓✓
Demonstrate benefits to society and environment	?	Yes ✓	More ✓✓	Significant ✓✓✓
Demonstrate innovative ESG practices	?		Yes ✓	Yes ✓✓

Pillars of Assurance

How we **assess** Sustainable and Resilient Infrastructure

Preparation & Self-Assessment	Materiality Assessment	Third-Party Verification	Stakeholder Consultation	Surveillance, Reporting & Impact Measurement	Re-certification
Understand Requirements, Prepare documents	Which criteria are more important to the project, the context, and the stakeholders	Does the project comply with the requirements?	Do stakeholders agree with the outcome?	Does the project continue to comply with the requirements?	Re-assessment of Materiality and Compliance

Piloting Activities

Proving **Applicability** by testing responses to criteria of SuRe® and SmartScan on diverse project types, via desktop and on-site assessments



- **China:** Wetland development and fishing township planning
- **India:**
 - Railway
 - eco-industrial park planning
- **Kosovo:** Transport
- **Switzerland:**
 - Underground logistics system solution
 - Low energy urban development
- **Philippines, Haiti, Ecuador, Bangladesh:** Desktop assessment of Motorway, Airport, Harbour, Urban development

Cross-Cutting Topic: Resilience

How the SuRe® Standard leads to more Resilient Infrastructure Projects

Purpose:

The SuRe® standard ensures that projects contribute to broader resilience needs of the areas in which they are implemented. For example, by ensuring that designs are developed using vulnerability studies and participatory stress testing. SuRe® has been designed to encompass relevant targets of the Sendai Framework, and to enable projects to tangibly contribute to these targets.

Example Criteria:

Roughly half of SuRe® criteria relate to Resilience, including:

- Resilience Planning
- Emergency Preparedness
- Risk Management
- Occupational Health and Safety
- Public Health and Safety
- Infrastructure Interconnectivity and Integration
- Climate Change Adaptation



Common Challenges to Implementing Resilient Infrastructure Solutions

Themes prohibiting effective implementation of Resilient Infrastructure

Insufficient funds

Poor planning & project selection

Inefficient or ineffective delivery

Inadequate maintenance

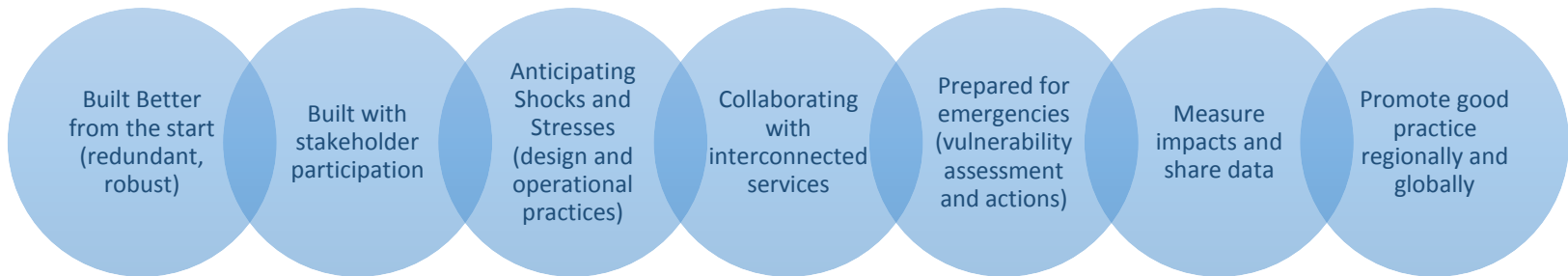
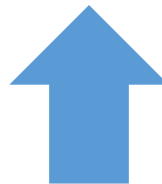
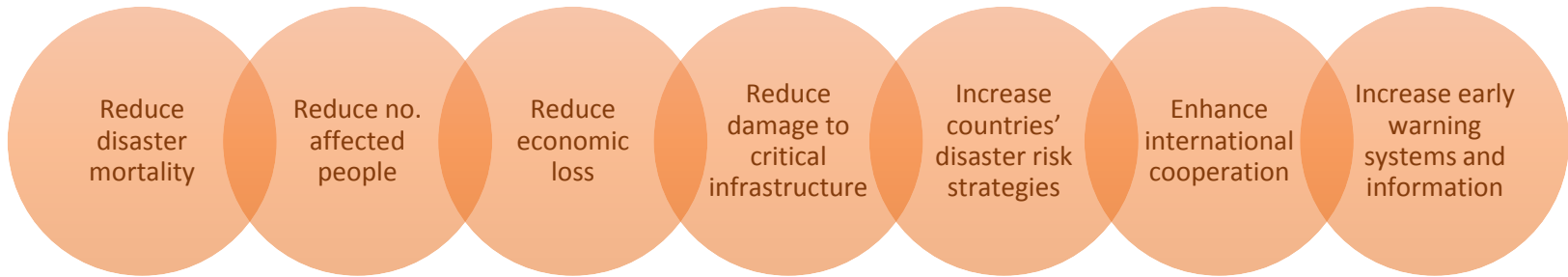
Decommissioning

Supporting Implementation of

How the SuRe® Standard leads to achieving Disaster Risk Reduction Goals

Sendai

Sendai Goals



SuRe® Projects

Common Challenges to Implementing Resilient Infrastructure Solutions

Themes prohibiting effective implementation of Resilient Infrastructure

Insufficient Funds

- Growing gap between existing and the required infrastructure
- Increased cost of resilient infrastructure
- Difficulty in structuring bankable projects
- Difficulty attracting private finance
- Basel III Regulatory Framework

Poor planning & project selection

- Planning and coordination
- Flawed project analysis, selection & identification of needs
- Lack of regional vulnerability assessment & high uncertainty in future conditions
- Political interference, corruption & lack of transparency

Common Challenges to Implementing Resilient Infrastructure Solutions

Themes prohibiting effective implementation of Resilient Infrastructure

Inefficient & ineffective delivery

- Procurement
 - Corruption & lack of transparency
 - Poorly defined ToR
- Lack of public or private capacity
- Lack of quality standards or their enforcement

Inadequate maintenance

- Lack of preventive maintenance
- Lack of oversight of O&M contractors
- Poor design leading to costly maintenance

Decommissioning

- Not planned or budgeted for
- Scarring impacts

Key Resilience/Adaptation SuRe® Criteria

The Standard for **Sustainable** and **Resilient infrastructure**

Criteria	Summary
G1.6. Infrastructure Interconnectivity and Integration	Consider interconnectivity with wider infra systems - co-dependencies and efficiency gains with related infrastructure. Supporting regional master plans
G2.3 Resilience Planning	Anticipating and designing for: <ul style="list-style-type: none">• Climate and environmental shocks and stresses• Social, man-made or systemic hazards Stress testing and cooperation between actors
G3.2 Engagement and Participation	Fair, representative and non-discriminatory consultation with relevant stakeholders Informed Consultation and Participation (ICP) process
E1.2 Climate Change Adaptation	Designing for future climate conditions. Heat wave, water stress, sea-level rise, storm events, flooding climate forced migration etc.



SuRe[®]

THE STANDARD FOR
SUSTAINABLE AND RESILIENT
INFRASTRUCTURE

The public consultation is open between 14 August to 12 September 2017.

Access SuRe[®] Public Consultation Documents at: <http://www.gib-foundation.org/public-consultation/>



Contact
www.gib-foundation.org | +41 61 205 10 80
info@gib-foundation.org

