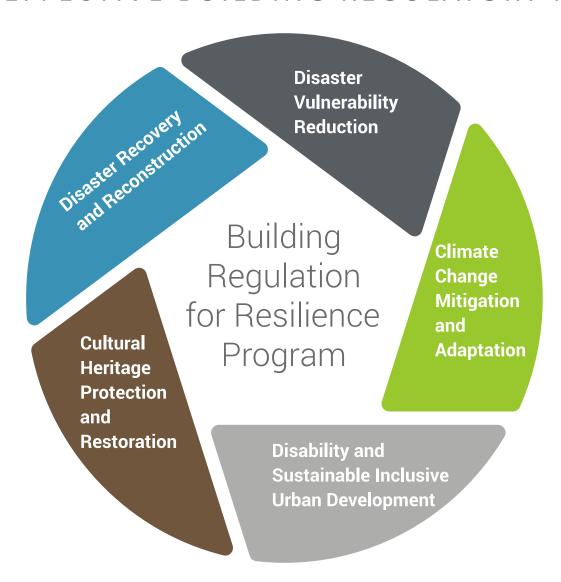


BENEFITS OF EFFECTIVE BUILDING REGULATORY FRAMEWORKS





COST-EFFECTIVENESS OF REGULATORY INVESTMENT

DISASTER & CHRONIC LOSS REDUCTION

Ethiopia:
Compliance with
building code
provisions would
reduce AAL by 30
per cent by 2050

CONTINUITY & GROWTH OF PUBLIC REVENUES

Mexico, Honduras,
Dominican
Republic: property
tax revenues make
up less than 0.50
per cent of GDP (as
opposed to 2-3 per
cent of GDP in
high-income
countries)

IMPROVED
INVESTMENT
ATTRACTION &
COMPETITIVENESS

Cost of compliance and regulatory infrastructure is on average 1% of construction cost in Japan.

The Building Regulation for Resilience Program



OVERALL STRATEGIC GOAL:

CREATING A BUILT ENVIRONMENT TO SUPPORT PUBLIC SAFETY & HEALTH

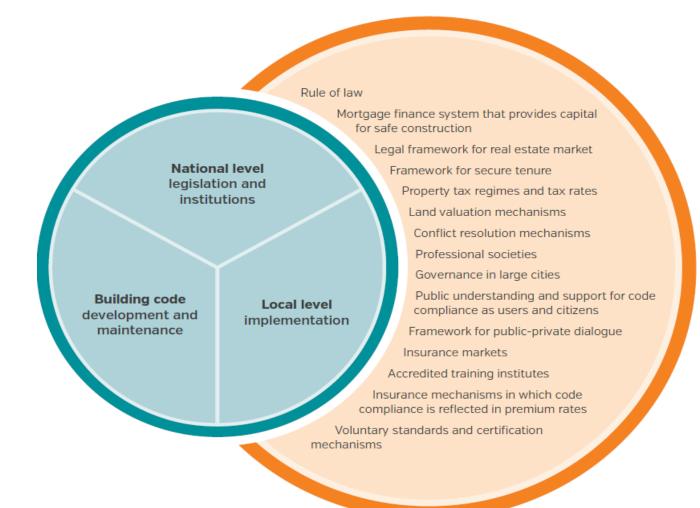


MAJOR OBJECTIVES:

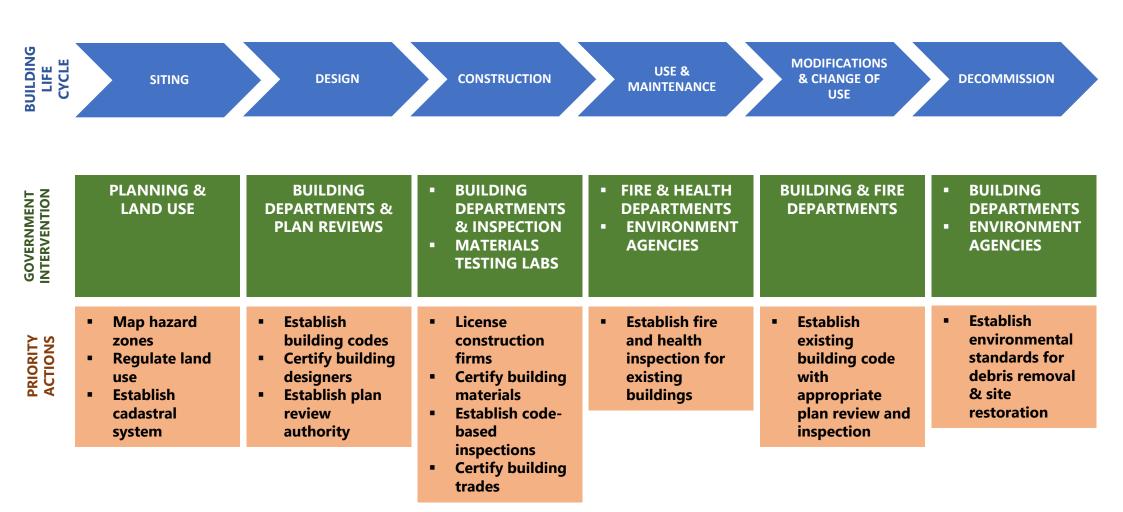
- **STOP THE EXPANSION OF DISASTER AND CHRONIC RISK IN THE SITING AND CONSTRUCTION OF NEW SETTLEMENTS**
 - ❖ REDUCE ACUTE AND CHRONIC RISKS IN HAZARDOUS EXISTING SETTLEMENTS



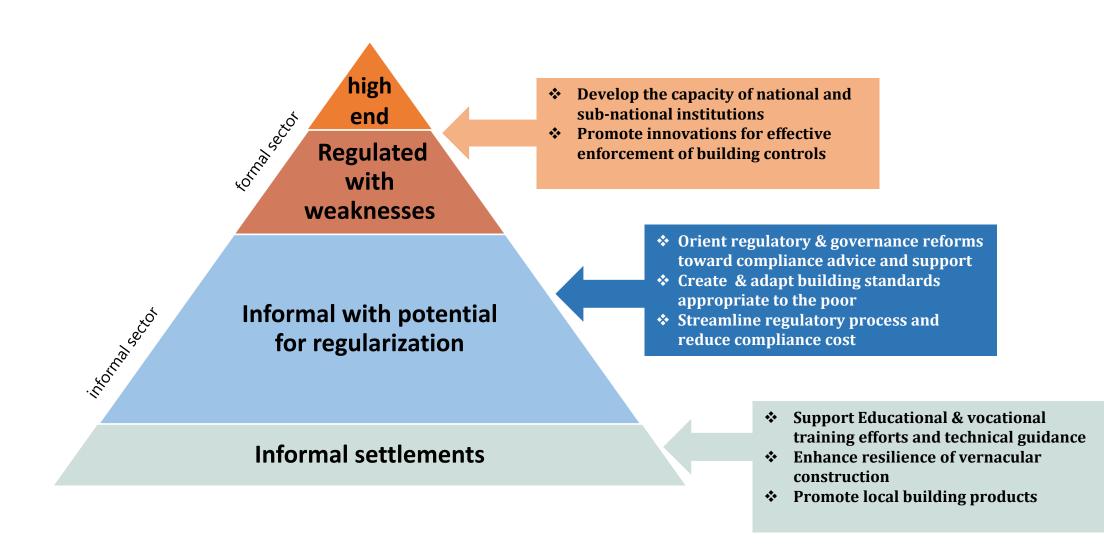
AREAS OF PROGRAM'S INTERVENTION



BUILDING LIFE CYCLE & GOVERNMENT POINTS OF CONTACTS



PRIORITIES FOR BUILDING REGULATORY REGORM AGENDA



Country example - Serbia

Before the reform (2014)



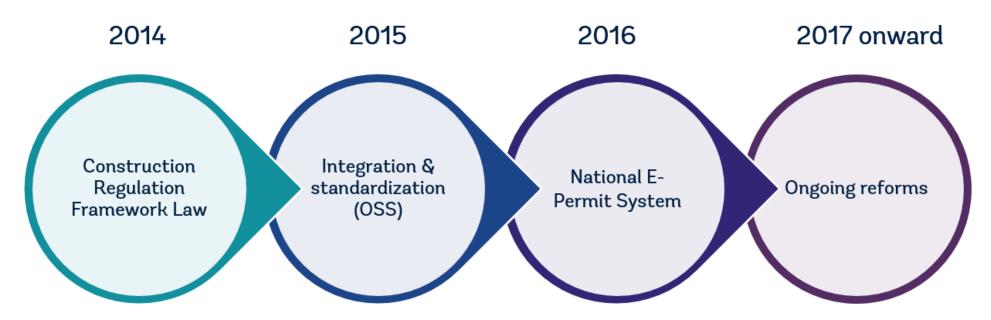
- Unclear zoning
- Long complicated procedures
- Lack of standardization
- High costs
- Lack of capacity
- High degree of discretion
- Lack of compliance





Country example - Serbia

The reforms



After the reform



Results

Over 200 Municipalities are now connected to the National E-Permit System

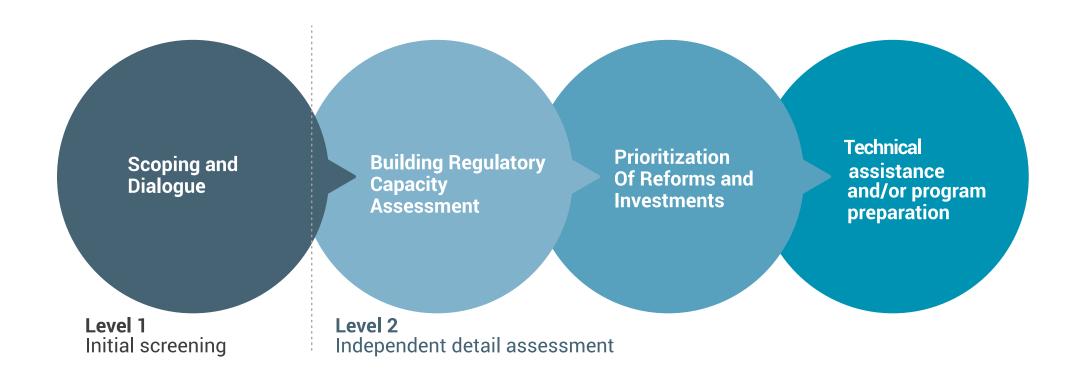
New standardized process across the country with lower complexity, faster processing times and reduced compliance costs

Electronic OSS system fosters **transparency & predictability** for investors as well as accountability for the public authorities

Inspectors' increased competency helps the Municipalities improve compliance

Land planning and zoning regulations are currently under implementation

HOW TO INITIATE REGULATORY REFORMS?





BRR: PRODUCTS & SERVICES OFFERING

Technical Assistance

Functional Diagnostics & Capacity Assessment

- Projected physical damage & loss estimations in the built environment
- Evaluation of risks in existing buildings structures
- Building Regulatory Capacity Assessment (BRCA)

Legal & Regulatory Foundations for Building Safety

- Legal advice and technical review for building legislation and building codes (participatory process and local relevance)
- Qualification requirements, plan reviews, inspection, permitting, certification & accreditation of building professionals and testing laboratories
- Support to enabling environment (insurance, incentives, mortgage finance, etc.)

Capacity Building of Regulators, Building professionals & Builders

- Accreditation of control organizations, incl. building departments and soil, building materials testing facilities
- Development of training for building professionals & construction workforce.
- Development of informal sector strategy

Investment

Instrumentation & Laboratories

- Instrumentation for monitoring of seismic, wind and flood events
- Laboratories & testing equipment for building materials, building products & assemblies
- Equipment for on-site inspection and nondestructive testing

ICT Infrastructure

- Improved efficiency in communication with permit applicants and effective and transparent record keeping
- ICT infrastructure & software equipment to support automation of building departments and multi-agency approval processes

Retrofitting of Critical Facilities

- Evaluation and retrofit of vulnerable facilities critical to disaster response and recovery
- Developing of retrofitting solutions



DISCUSSION

- 1) Have you implemented/how do you plan to encourage land use and building code compliance?
 - Builders, construction workers: Training/advisory targeting building designers: training, simplification of permitting process incl. e-permitting
 - Home owners: tax return, property insurance, subsidy/grant, security of tenure
- 2) What are the measures that you have/could explore to augment the capacity of the local municipal Government for land use and building control?





Focus on management of urban expansion and the informal sector

building code to Jamaican context Streamlined & consistent presentation

of Jamaica Building Code