



# Addressing the global affordable housing challenge

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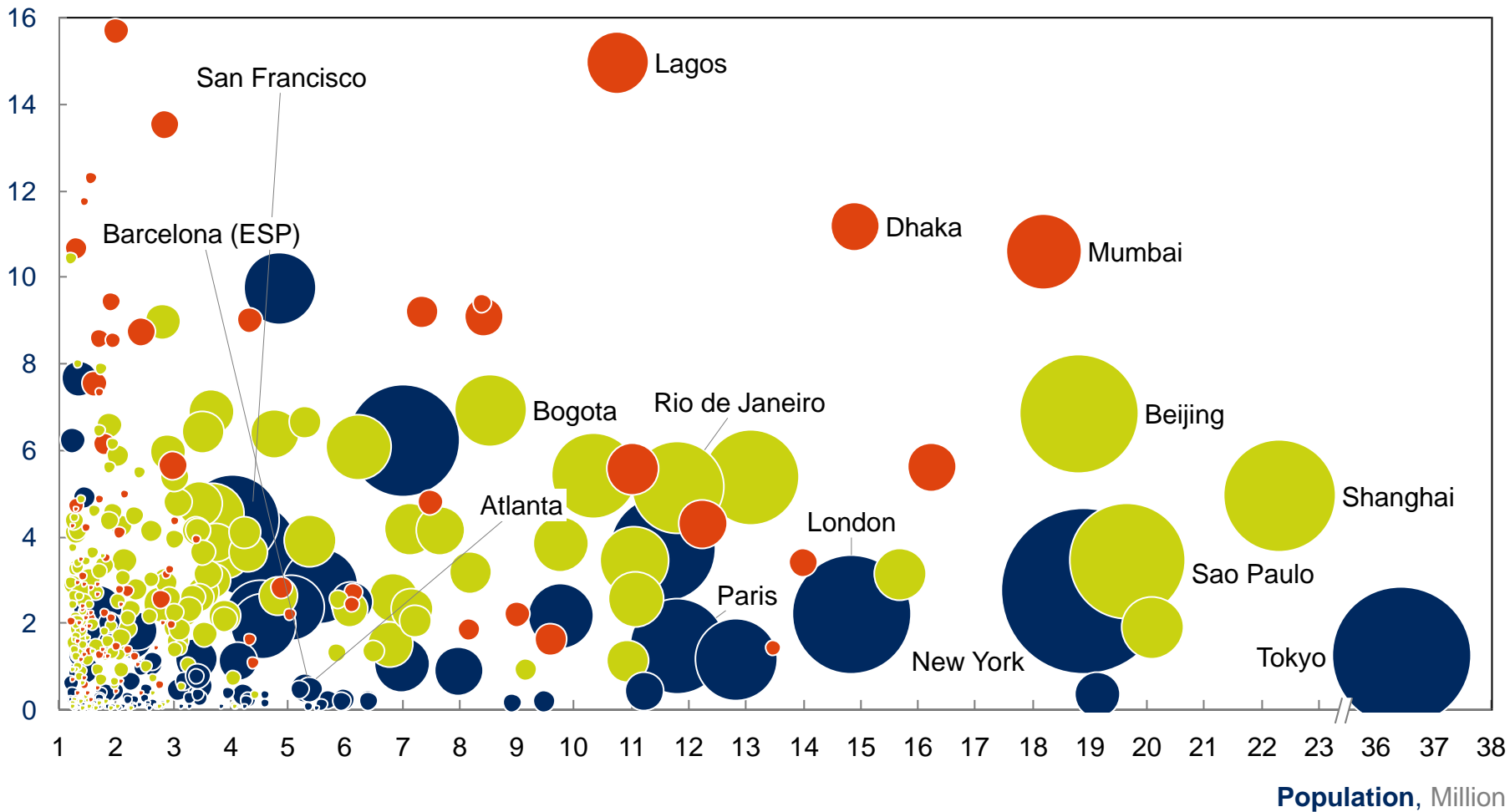
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- I. Recap of the affordable housing gap and how to bridge it
- II. Thinking about housing finance, supply, and the journey to decent housing in an integrated way
- III. How to move things forward in practice

# I. The affordability gap in 2400 cities



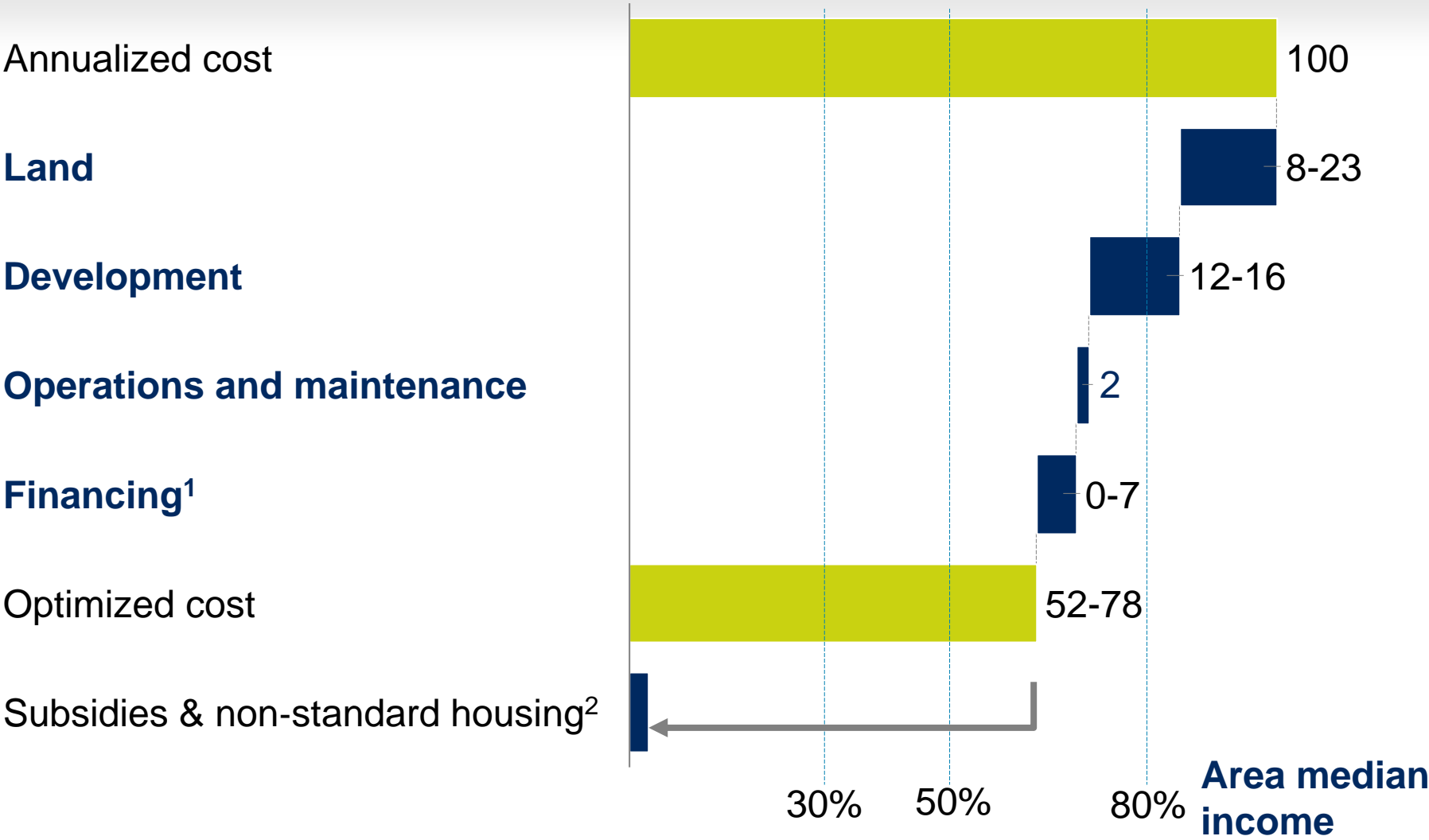
Affordability gap, % of GDP



1 As defined by World Bank.

# I. Four levers can narrow the affordability gap

INCOME AVAILABLE FOR HOUSING BY  
INCOME SEGMENT



1 Impact of reduced origination and funding costs is quantified; impact of increased access to financing is not  
2 Transitional use of basic housing (with communal toilets and kitchens, for example) to serve very low-income households

**I. \$8 trillion investment could be unlocked from low income people via financing – if complemented with land and poverty support measures**



# II. Clear opportunity to improve access to and cost of finance for owned and rented property

High income

Low to moderate income



Improving conditions for developers and landlords

De-risking development

Increasing equity

Improving debt terms

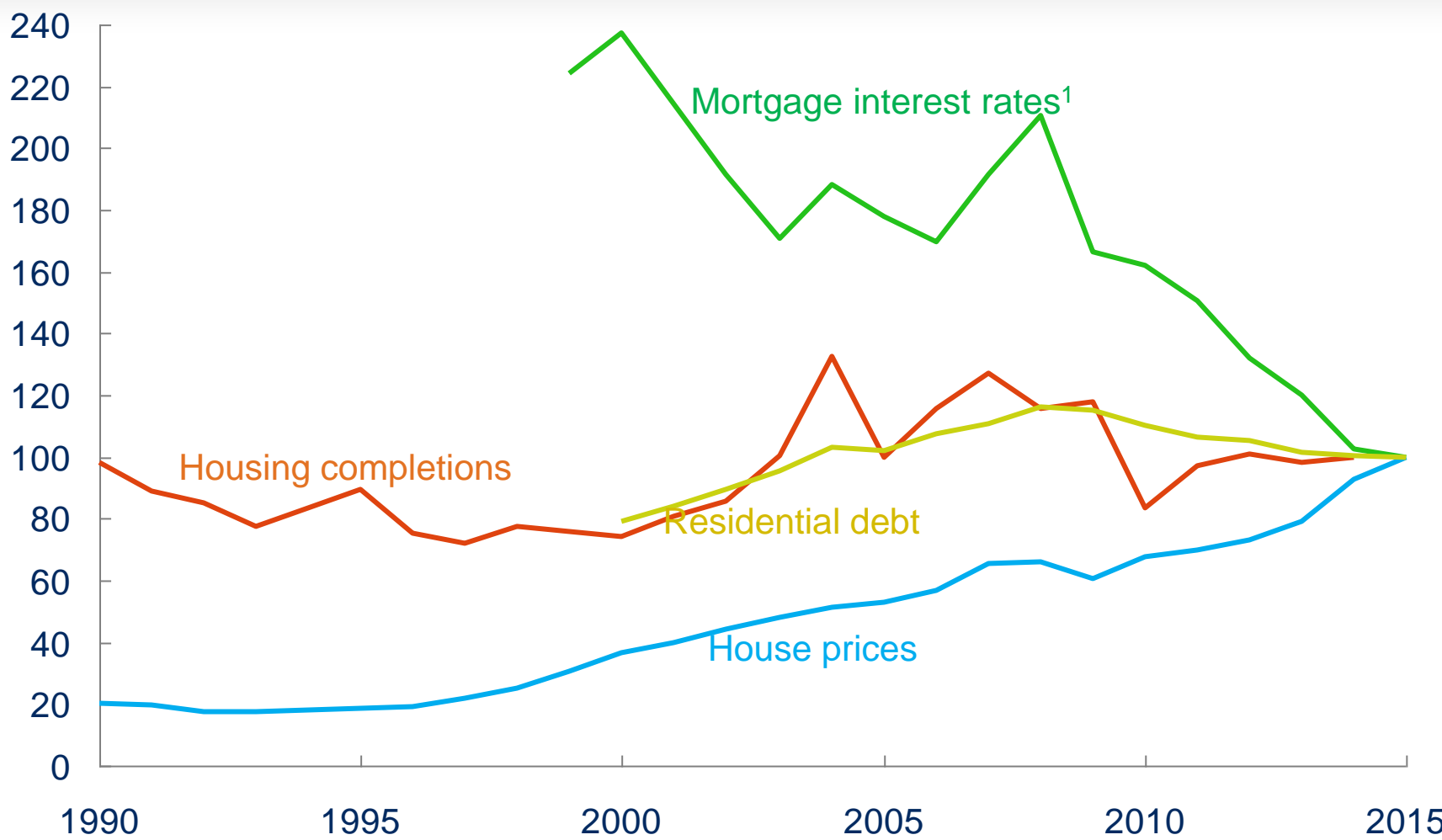
Providing tax relief

Balance of pro-tenant vs. pro-landlord regulation

1 Prevailing rate for high income households is 4.3% and for low and moderate income households is 5.0% 2 Prevailing rate for high income households is 8.9% and for low and moderate income households is 13.5% 3 Includes margins charged for risk premium and economic profit. 4 Includes mortgage insurance risk premiums and Federal Housing Administration subsidies 5 Reflects 30-year Treasury note rate with negligible capital charge due to the prevalence of securitization in the American mortgage market 6 Blended seven- and 10-year bank note rate plus a capital charge of 50 basis points

# II. Critical to also resolve supply constraints in sync – example London

London; Index, 2015 =100<sup>2</sup>

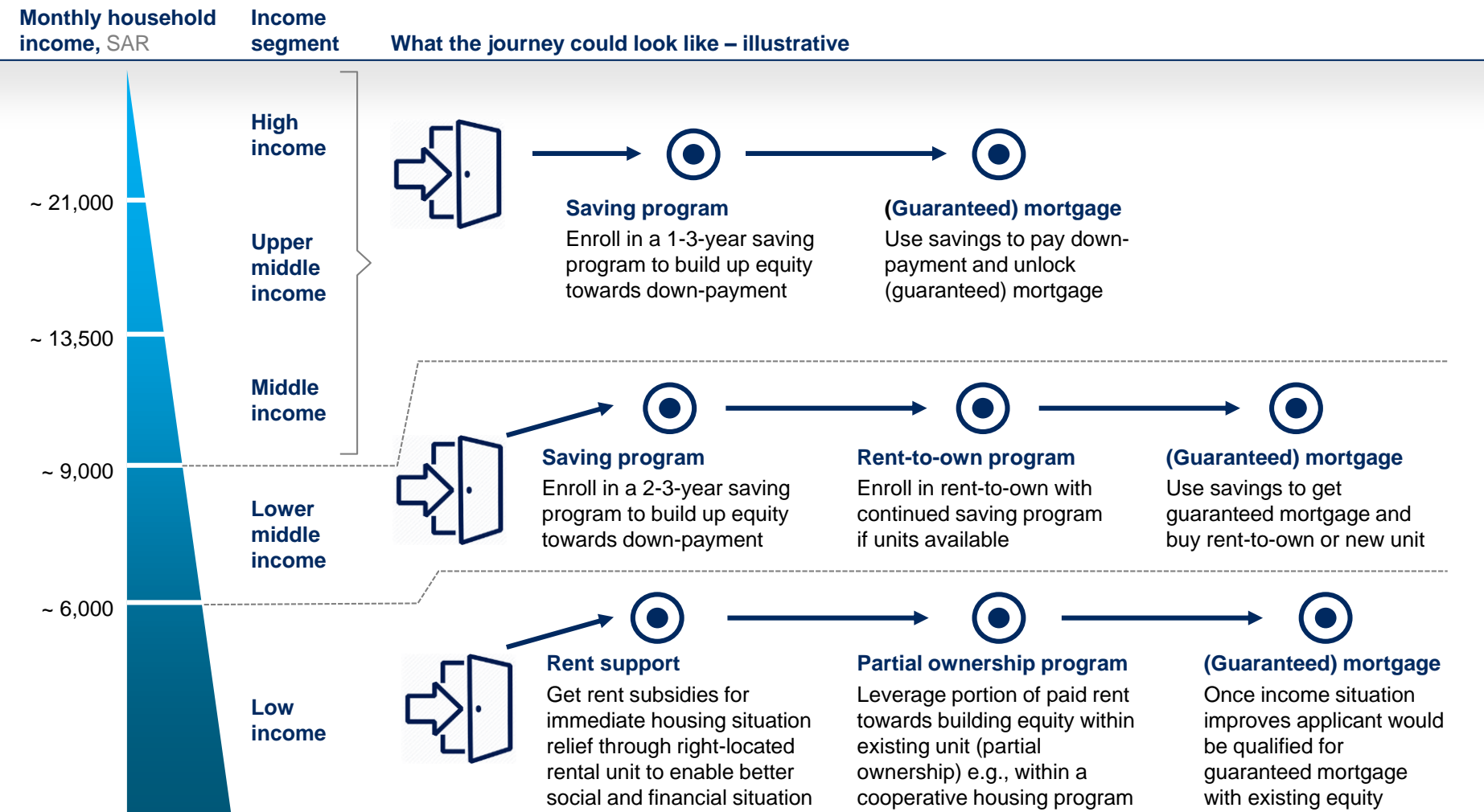


1 3y fixed, 75% LTV, January  
2 2014=100 for completions

# II. Tailored products needed for different income segments to improve the housing situation for all and provide a ladder up – example Middle East


Housing ownership journey


Applicant enters MoH program





### III. 'Housing delivery labs' methodology as an approach to mobilize all stakeholders and achieve fast track impact

#### Elements of success

##### Interdisciplinary teams and experts

Delivery labs call for interdisciplinary teams and experts to work together over a duration of ~8 weeks to co-create comprehensive but also pragmatic solutions to the problems at hand



##### Effective stakeholder involvement

From day 1, stakeholders from the public sector (e.g., other Ministries) and the private sector (e.g., banks, developers) have been involved to be part of the solution



##### Implementable plans

The focus of the delivery lab is not only to identify the solution but to plan the solution in such a detail – 3-foot planning – that allows its easy implementation





Thank you!

The full report is available at  
**McKinsey Global Institute**  
[www.mckinsey.com/mgi](http://www.mckinsey.com/mgi)

# 7<sup>th</sup> Global Housing Finance Conference

*Sriram Kalyanaraman*  
*Managing Director & CEO*



**NATIONAL  
HOUSING BANK**

Wholly Owned by Reserve Bank of India



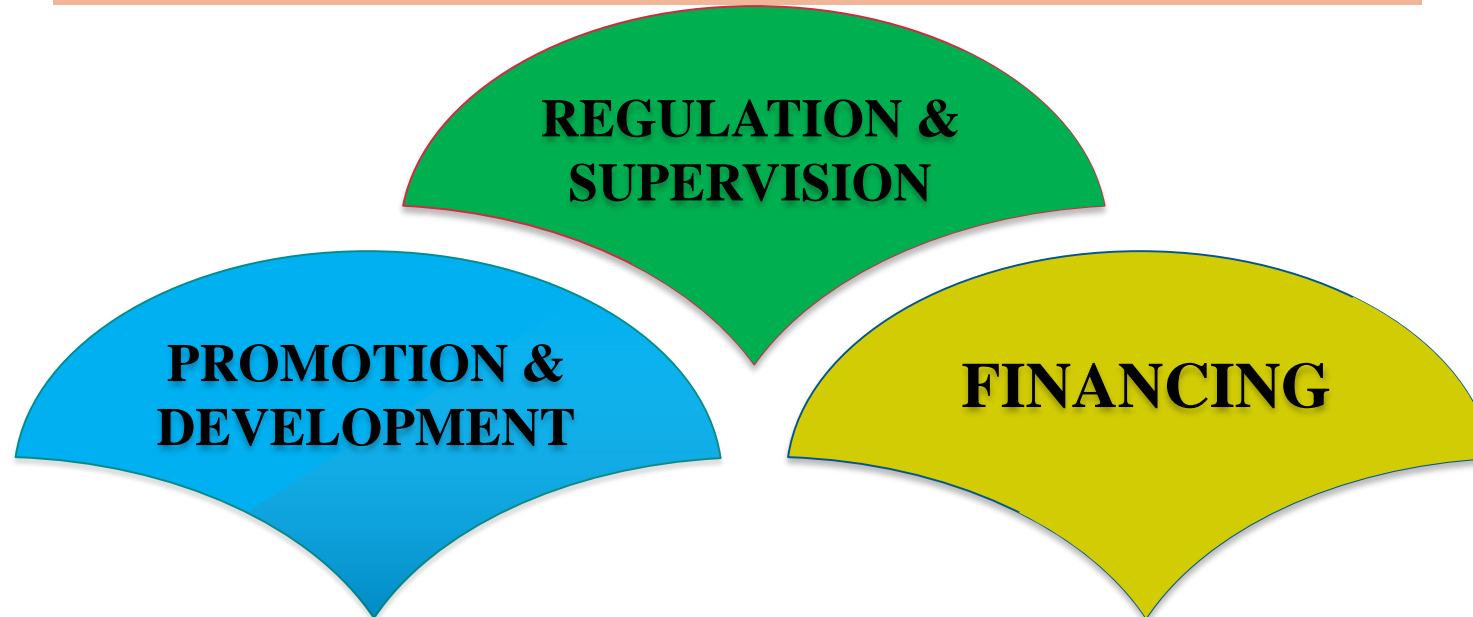
# India Economy

- India - The Fastest Growing Major Economy
- GDP growth seen at 7.3 – 7.4 per cent for the current fiscal year 2016-17
- The Reserve Bank of India cut the key rate last year besides tweaking monetary policy to boost liquidity and encourage credit growth
- Total Population: **1.2 billion**
- No. of States/UT's: **29 States/7UT's**
- No. of Urban Agglomerations with Population more than 1 million (% of Total Population): **14**



# National Housing Bank

- Issuing directions and guidelines for development of stable and sound housing finance system
- Supervision through onsite and off-site inspections
- Consumer awareness and consumer interests protection
- Inter-regulator coordination
- 73 Companies



**RHF: \$3.8 billion | 1.5 million units**

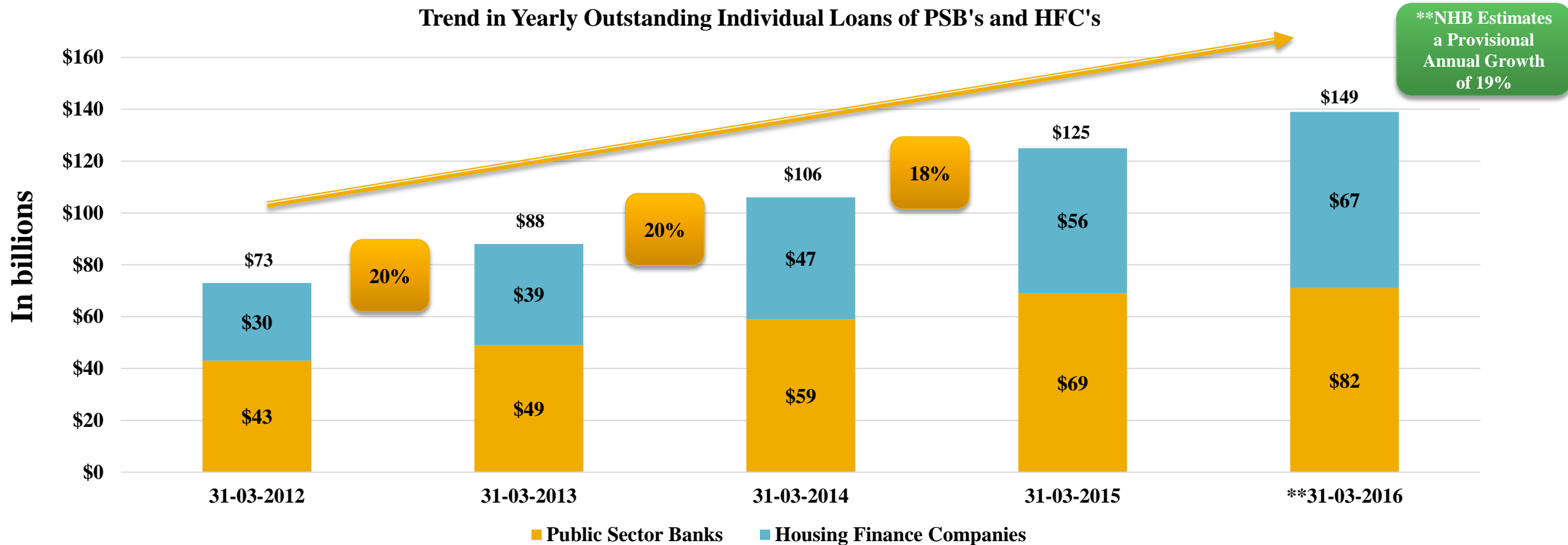
**UHF: \$0.93 billion | 0.8 million units**

**TOTAL: \$4.73 billion | 2.3 million units**

- Creation of new players through equity participation
- Strengthening existing network of lending Institutions
- Capacity Building for the sector
- Consumer awareness through training & seminars, etc.
- Knowledge partners to various stakeholders

- Sustainable housing finance system through refinance
- Project Financing to Public agencies
- PPP projects for targeted segments

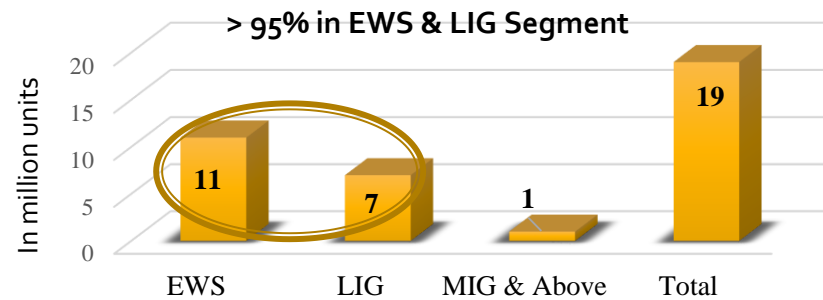
# Housing Finance - India



90+ Delinquency = 1.50% | Total Amount of New Bookings = \$42 billion

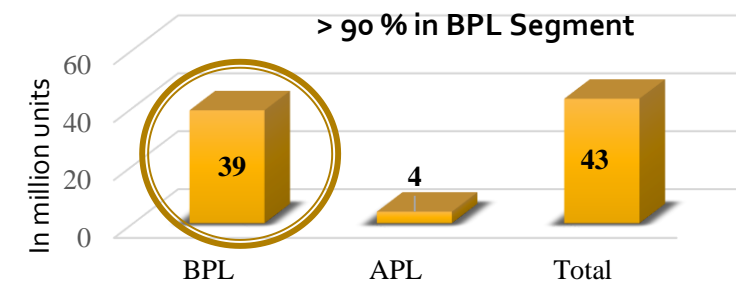
# The Challenge

Estimated Urban Housing Shortage\* in India: 2012-2017



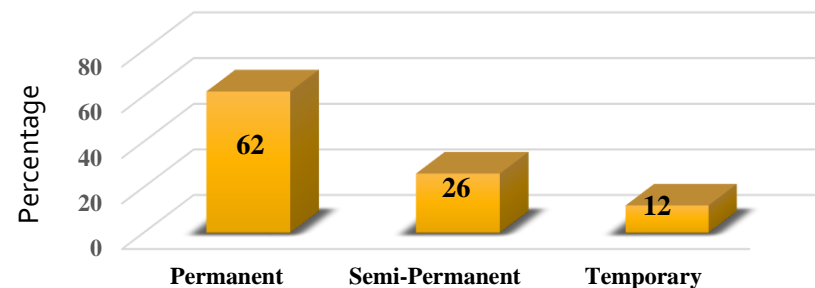
\* Report of the Ministry of Housing and Urban Poverty Alleviation

Estimated Rural Housing Shortage\*\* in India: 2012-2017



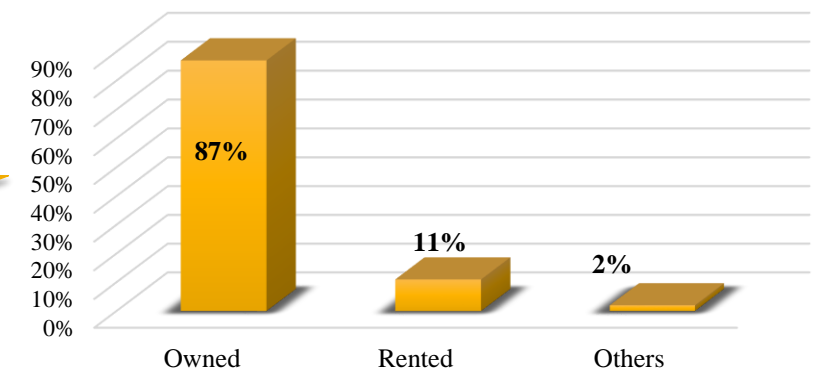
\*\* Working Group Report on Rural Housing

Household By type of Housing Conditions –  
Census 2011



\*\*\*Source: State of housing in India a statistical compendium, Government of India, Ministry of Housing and Urban Poverty Alleviation, National Buildings Organisation 2013

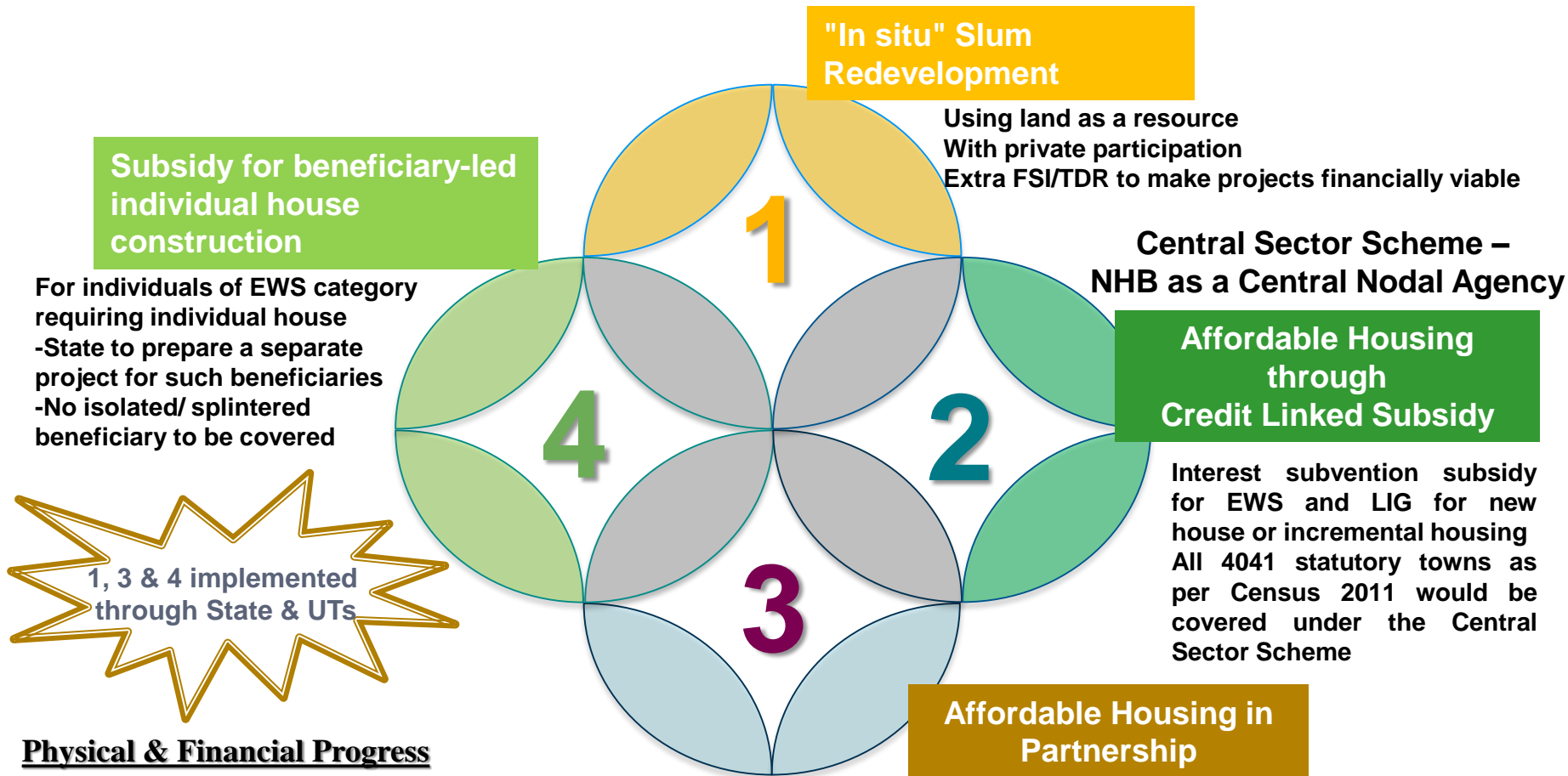
% HOUSEHOLDS BY TYPE OF OCCUPANCY-  
Census 2011\*\*\*



60 Million  
Houses by  
2022

Estimated  
Annual  
Investment  
USD 150  
billion

# Housing For All - Urban



## Physical & Financial Progress

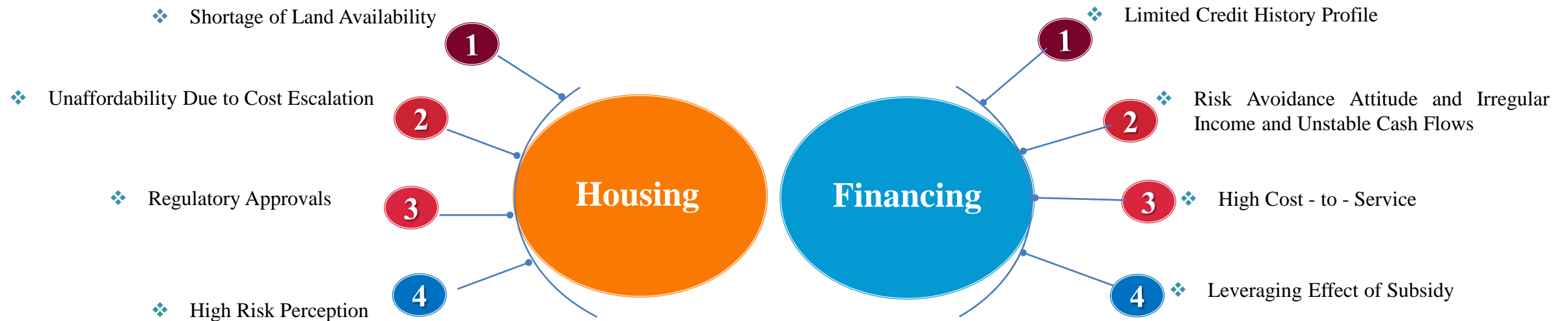
No of Cities Considered for Funding: **658** | Project Proposals Considered: **903** | EWS Houses: **610,519** | Central Assistance Involved: **\$1.42 billion** | Total Value of The Projects: **\$3.55 billion**

## Rural

- 2.83 million Beneficiaries Identified
- Average Ticket Size of \$4000
- Subsidy of \$2000



# Speed Breakers



Government Interventions Through Subsidy Schemes

Credit Risk Guarantee Fund is Managed by NHB

## SUPPLY & DEMAND MISMATCH

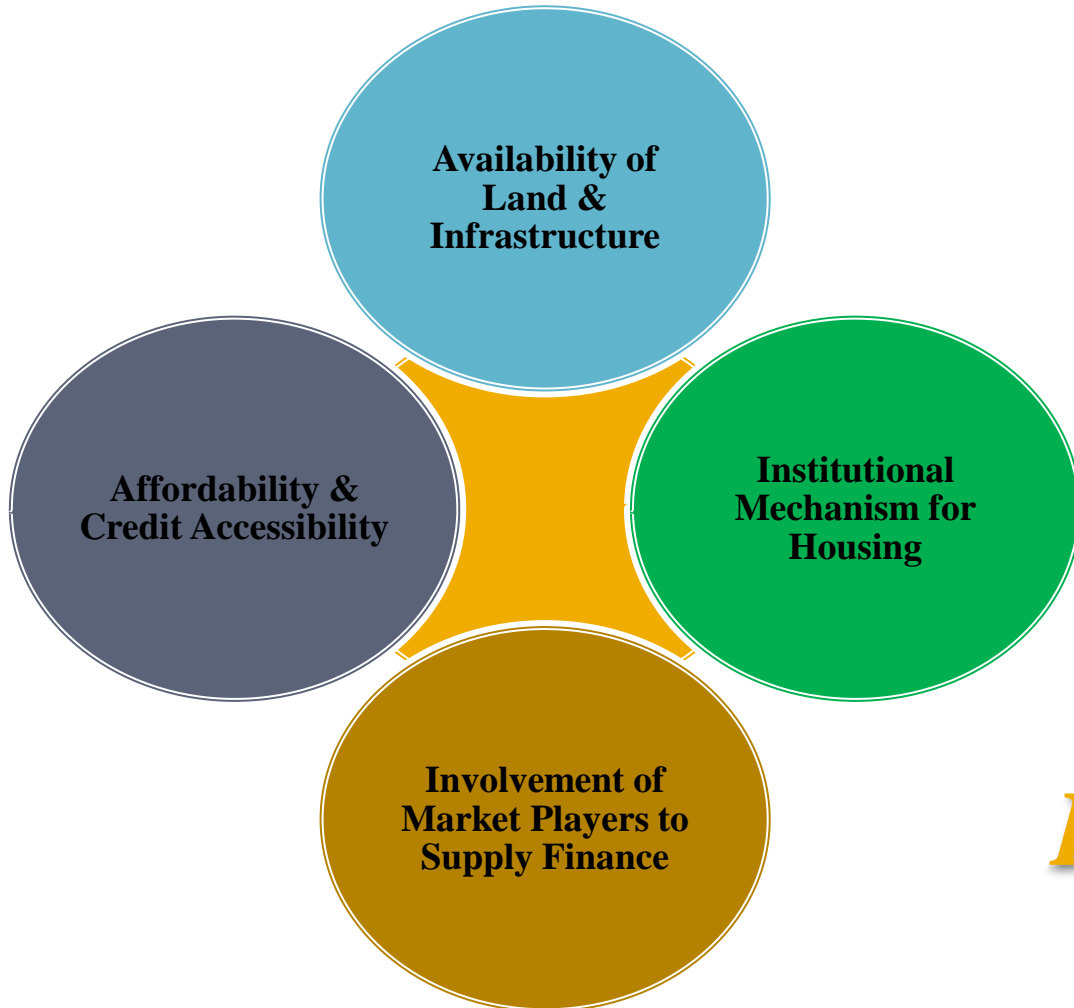
### SUPPLY

- Land cost
- Infrastructure provision
- Housing construction
- Availability of housing units by market players
- Role of Public agencies and Pvt. developers
- Credit availability and delivery

### DEMAND

- Increasing cost of dwelling units
- Availability of Credit
- Affordability of Credit
- Loan eligibility
- Subsidy component
- Risk Mitigants/ Subsidy

# Sustainable Housing Finance System



*Habitat For All*



*Housing For All*

# NHB Project Highlights – Financial Inclusions



**2001 Gujarat Earthquake | Kutch | Gujarat**



**2004 Tsunami Relief | Andhra Pradesh**



**2015 Chennai Flood Relief | Chennai | Tamil Nadu**



**Dharavi Slum Re-development | Mumbai | Maharashtra**



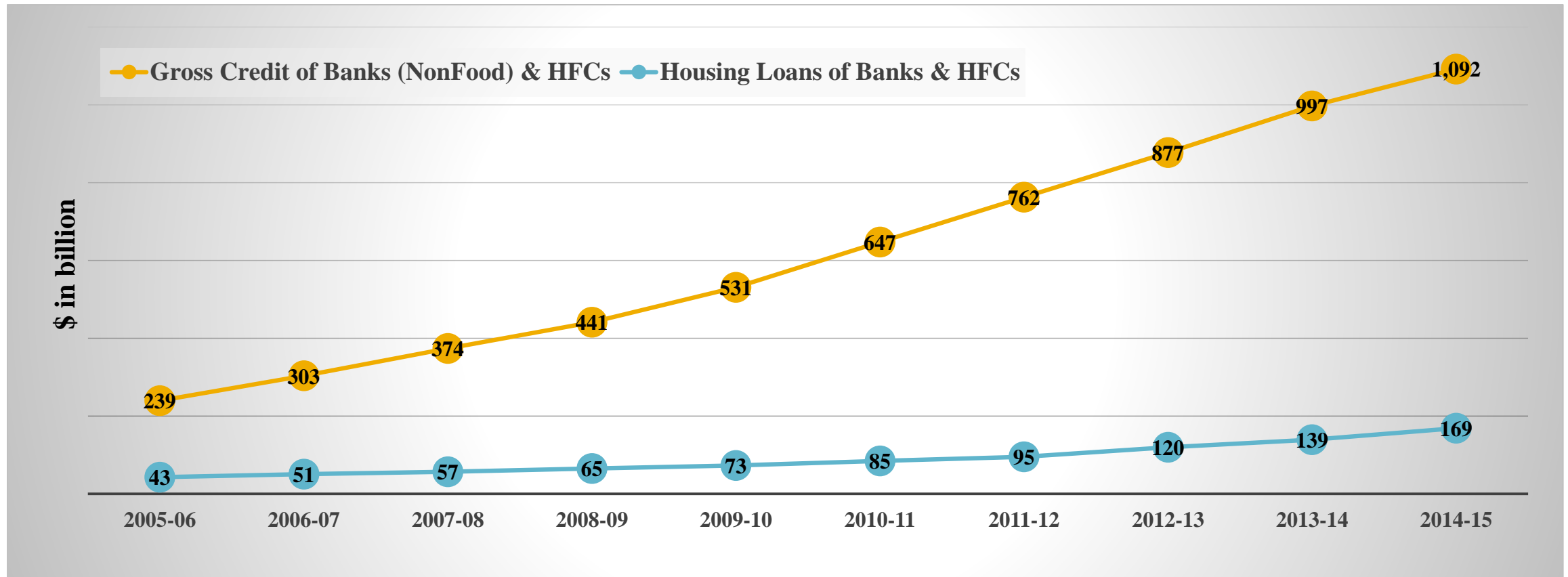
**Rural Housing | Udaipur District | Rajasthan**



**CLSS Workshop | Bhopal | Madhya Pradesh**

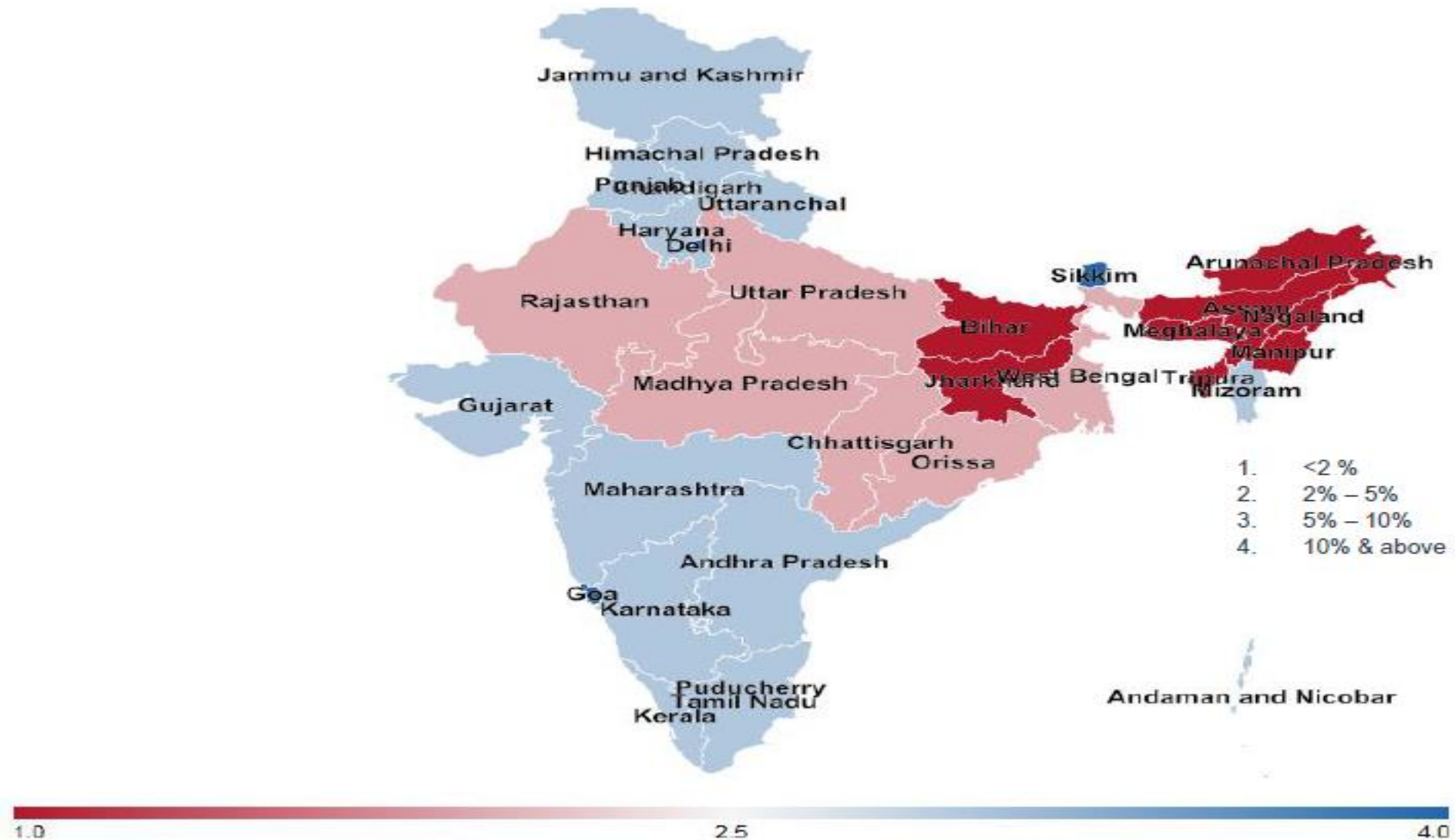
# Annexure 1

Trend of Total SCB's & HFC's Credit to Outstanding Housing Finance



Overall Financial Credit Increases at 10% (2015) | The Housing Credit Increases at 22% (2015)

# Annexure 2 – Home Loan Penetration



# Thank You

# **7<sup>TH</sup> Global Housing Finance Conference**

## **Housing 2030**

### ***Session 1: Adequate, Safe and Affordable Housing***

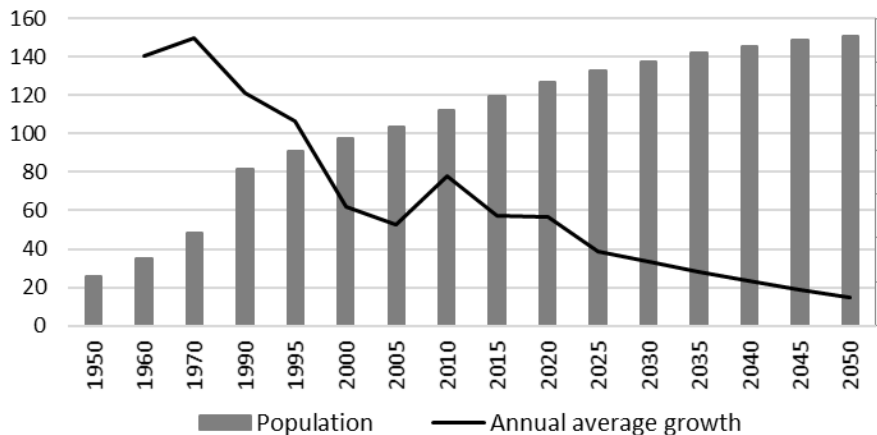
**CONAVI**

MAY 2016



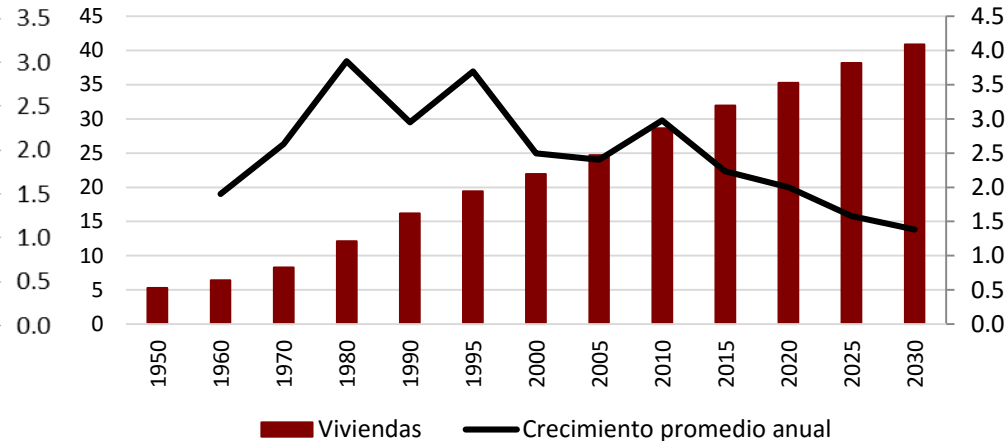
## The next 15 years, Mexico 's Population and Housing will increase 15% and 28%, respectively

**México's population  
(millions & %)**



CONAVI, INEGI (1950-2015) & CONAPO (2020-2050) data

**Housing units  
(millions & %)**



CONAVI, INEGI (1950-2015) & CONAPO (2020-2030) data

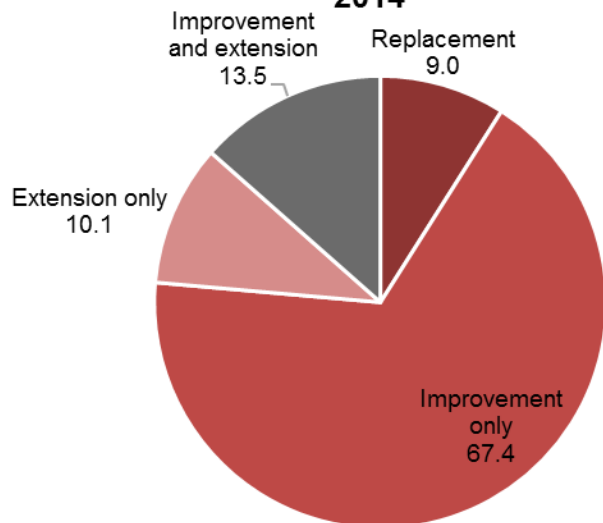
- During the 60's & 70's, the highest population growth rate was observed, as a result of the natural (fertility policy) and social (migration) states.
- Regarding Housing, the highest growth was registered during the 80's and 90's.
- For the following 15 years, an annual average growth is expected as of 594 thousand housing units.



# Housing Deficit in Mexico: Potential Market

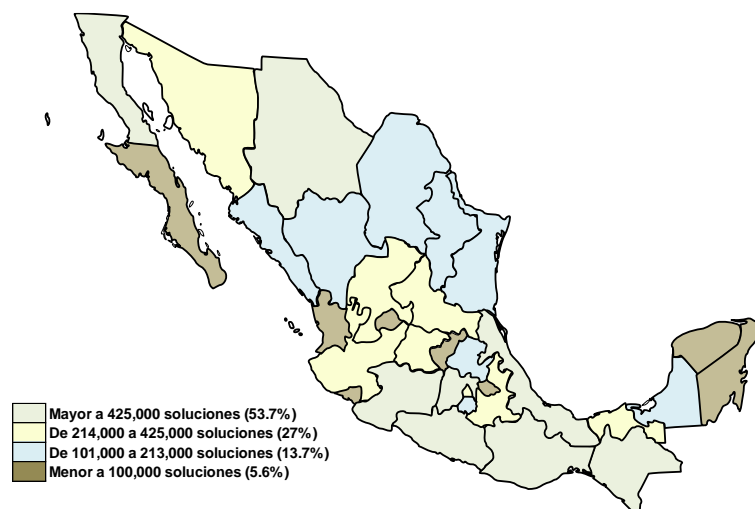
According to the National Household Income and Expenditure Survey (ENIGH, in Spanish) 2014, in Mexico there is a **housing deficit of 8.96 million dwellings**, which require housing solutions: **Extension/Improvement, and replacement.**

Housing deficit by type of housing solution, 2014



Source: CONAVI with information of INEGI 2014. Socioeconomic Conditions Module.

Demand for housing solutions required

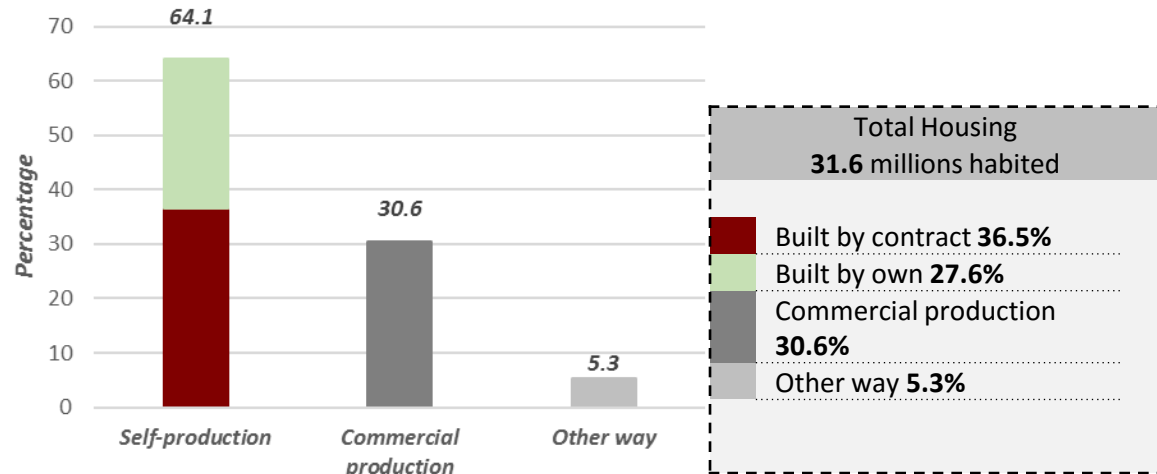


Historically in Self-production, Homes are built with a range of value between USD \$7,300 and USD \$9,100 for people with net incomes from USD \$360 (approx. 3 MW) and USD \$600 (approx. 4.9 MW).

# Housing Deficit in Mexico: Potential Market

In Mexico, 64.1% of the total housing stock has been built through a process of self-production; households in urban areas correspond to 51.3%, while households in rural areas correspond to 83.2%.

**Source:** : CONAVI with information of INEGI 2014. Socioeconomic Conditions Module.



The self-production of housing is the process of construction and distribution of housing under the direct control of its members: individually or collectively, which may be developed by outsourcing or through processes of self construction.

# Self-Production Vs. Self-Construction

## IMPROVEMENT



- Repairing
- Structural reinforcement
- Redistribution of spaces
- Eco-technics, Eco-Technologies.
- Housing Finishing

## EXTENSION



- Increase of built area.

## SELF-PRODUCTION



- Direct user control
- A comprehensive technical assistance by an Executing Construction Organism (OEO, in Spanish)
- The beneficiary does not necessarily builds.

## SELF-CONSTRUCTION



- Direct user control
- Not a comprehensive technical assistance.
- The beneficiary constructs itself the way he wants.

# Self-Production – Regional Materials





## Regional Materials: Mayan House, Campeche

