A conceptual framework for housing data

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Housing at StatCan: an ecosystem

Census of Population

Housing tenure and need data; shelter data

Canadian Housing Statistics Program

Annual data on homeowners and residential properties

Canadian Housing Survey

CMHC funded, emphasis on vulnerable populations, housing experiences, social inclusion and renters.

National Social and Affordable Housing Database

Also CMHC funded, administrative database on social and affordable housing.

Canadian Income Survey

Funded by ESDC, CMHC, and StatCan, annual rental data, shelter costs and core housing need; supports DHEA.

Survey of Financial Security

Triennual wealth data; supports DHEA.

Labor Force Survey

Monthly rent data from the rent module

New Housing and Condominium Price indices

A suite of price indices measuring the change in the contractors selling prices of new residential units.

Housing Economic Account

Commissioned by CMHC, producing new measures of economic activity stemming from housing.

Building and Demolition Permit & Investment in Building Construction

Monthly flows – intentions and construction activity

Municipal Land Use and Regulation

Measuring regulatory burden on supply creation

Property Values

Residential and non-residential estimates for the purpose of equalization programs.

Survey of Household Spending

Detailed household spending and information on dwelling characteristics and household equipment.

… and also: Survey of Residential Facilities for Victims of Abuse, Survey of Non-Bank Mortgage Lenders, Households and the Environment Survey, Building Construction Price Index.

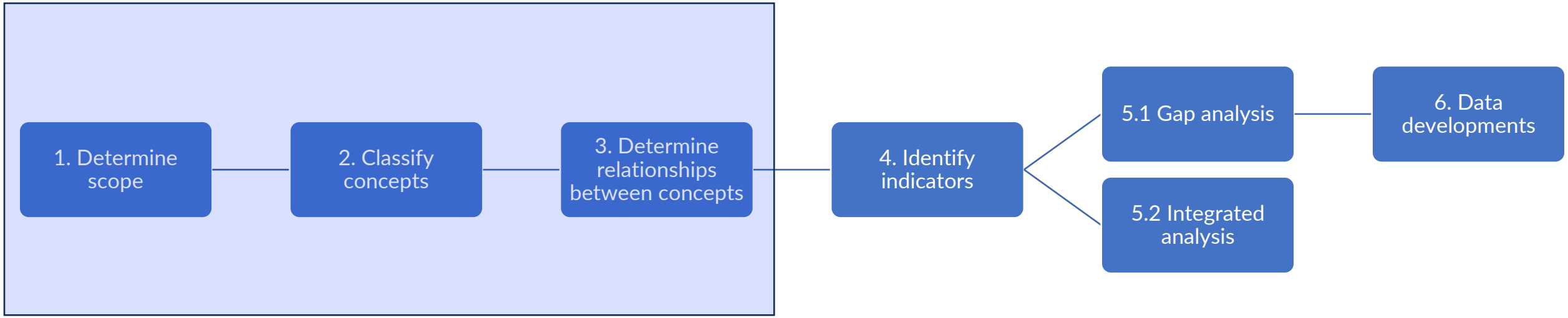
Why a framework?

- Housing relies on a complex system of information, involves numerous actors, and is fundamentally cross-cutting.
- The production of official statistics on housing is often decentralized and often involves external parties.
- The main purposes of a conceptual framework for housing are to:
  - **To organize**;
  - **To communicate and deliver insights**;
  - **To grow**.

Interface with other frameworks

- The initiative relates to other conceptual frameworks:
  - System of Quality-of-Life Statistics
  - System of National Accounts
  - Health indicators framework
  - Canadian System of Environmental-Economic Accounting
- Housing system schematics exist, yet there is no comprehensive or shared model:
  - The OECD has published a policy toolkit that discusses many aspects included in the present framework.
  - Stats NZ has published a framework for housing quality.

Development strategy



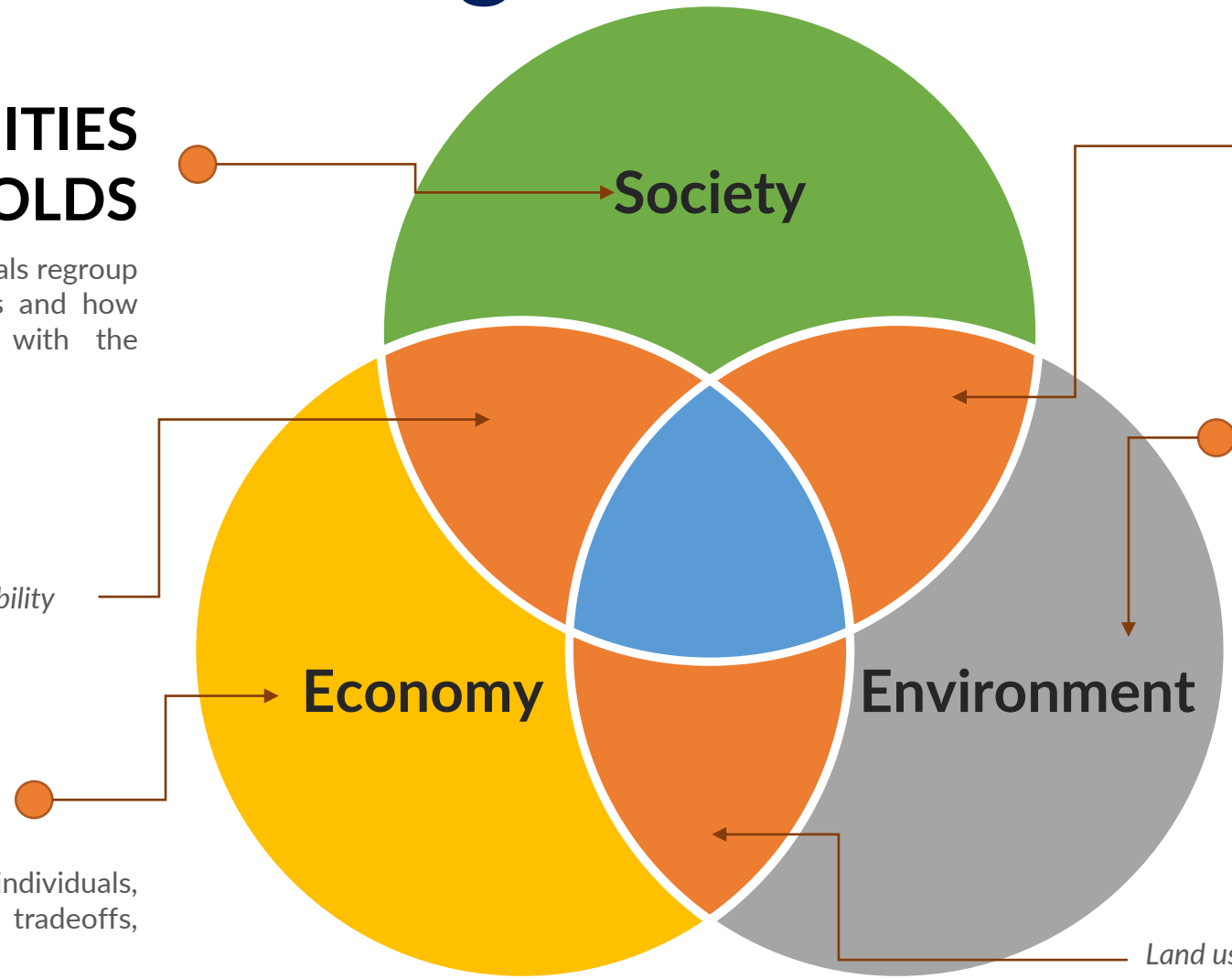
The housing (data) system as a logical model

- The logframe approach is used to detail each factor and to identify the dimensions in the sequence in which the relationship occurs.
- Each dimension is then mapped for key indicators, source and possible gaps.
- The model puts people's quality of life as the ultimate outcome and allows for the identification of data development, partnership and analytical opportunities.
- The specifics details of the interrelations, endogenous relationships and feedback loops are not represented, for simplicity.

1. Scope: Housing as a confluence of factors

COMMUNITIES AND HOUSEHOLDS

This represents the way individuals regroup in households and communities and how institutions work in relation with the housing domain.



Building codes & zoning

BUILT ENVIRONMENT AND CITIES

This encompasses the factors surrounding the physical aspect of housing, including the natural and built environment.

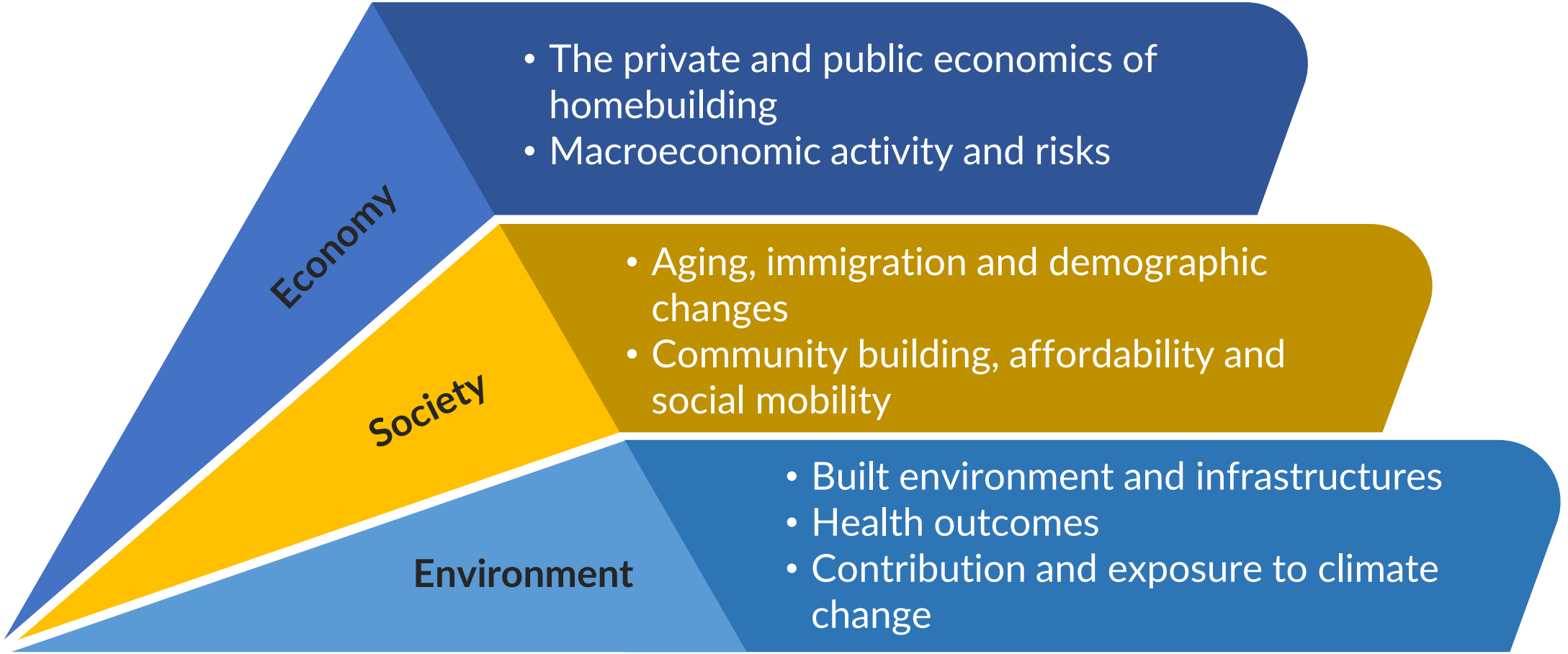
Labor, income, wealth, housing stability

MARKETS AND CHOICES

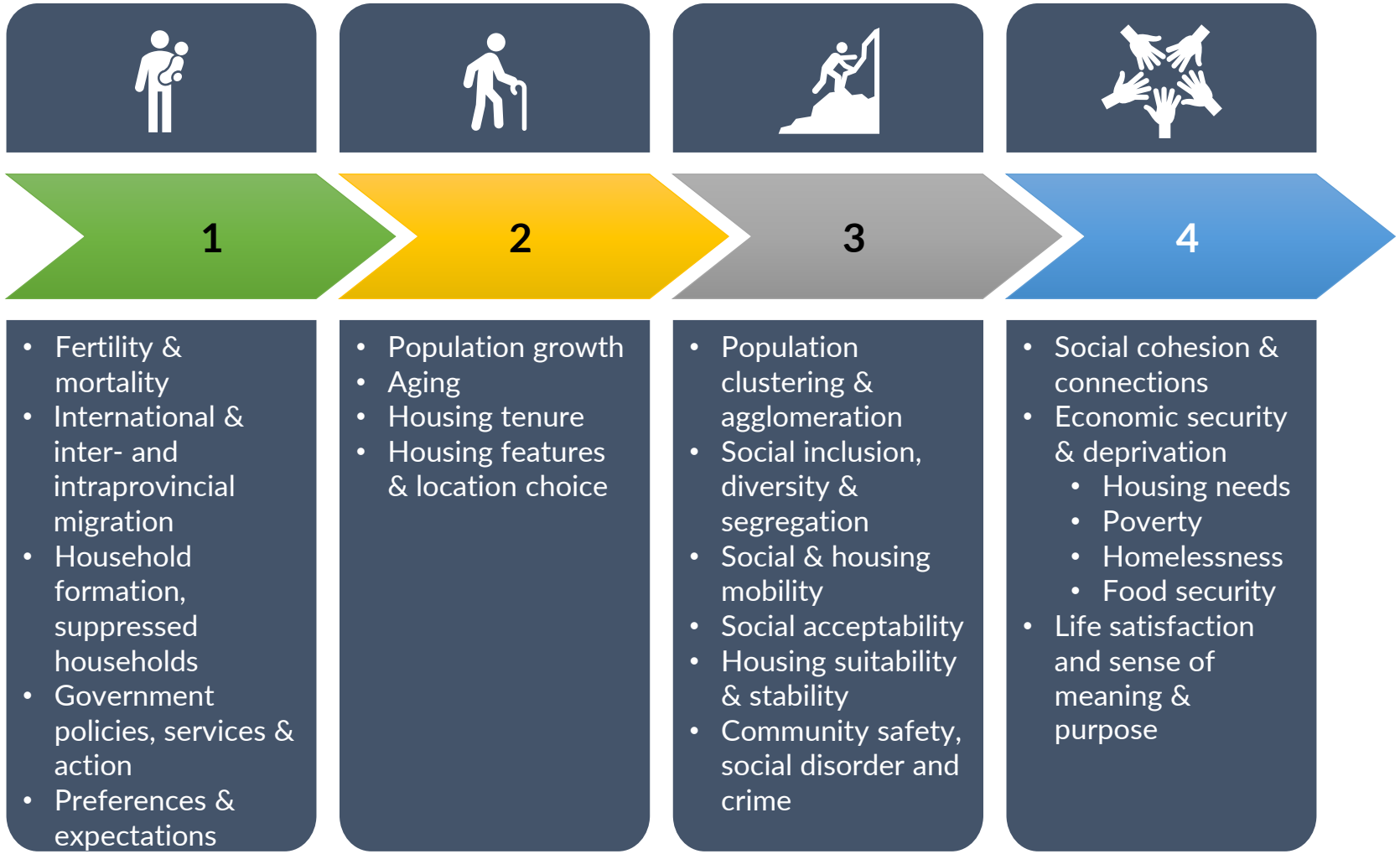
This relates to choices by individuals, businesses and governments, tradeoffs, costs and exchanges on markets.

Land use, energy, GHG emissions

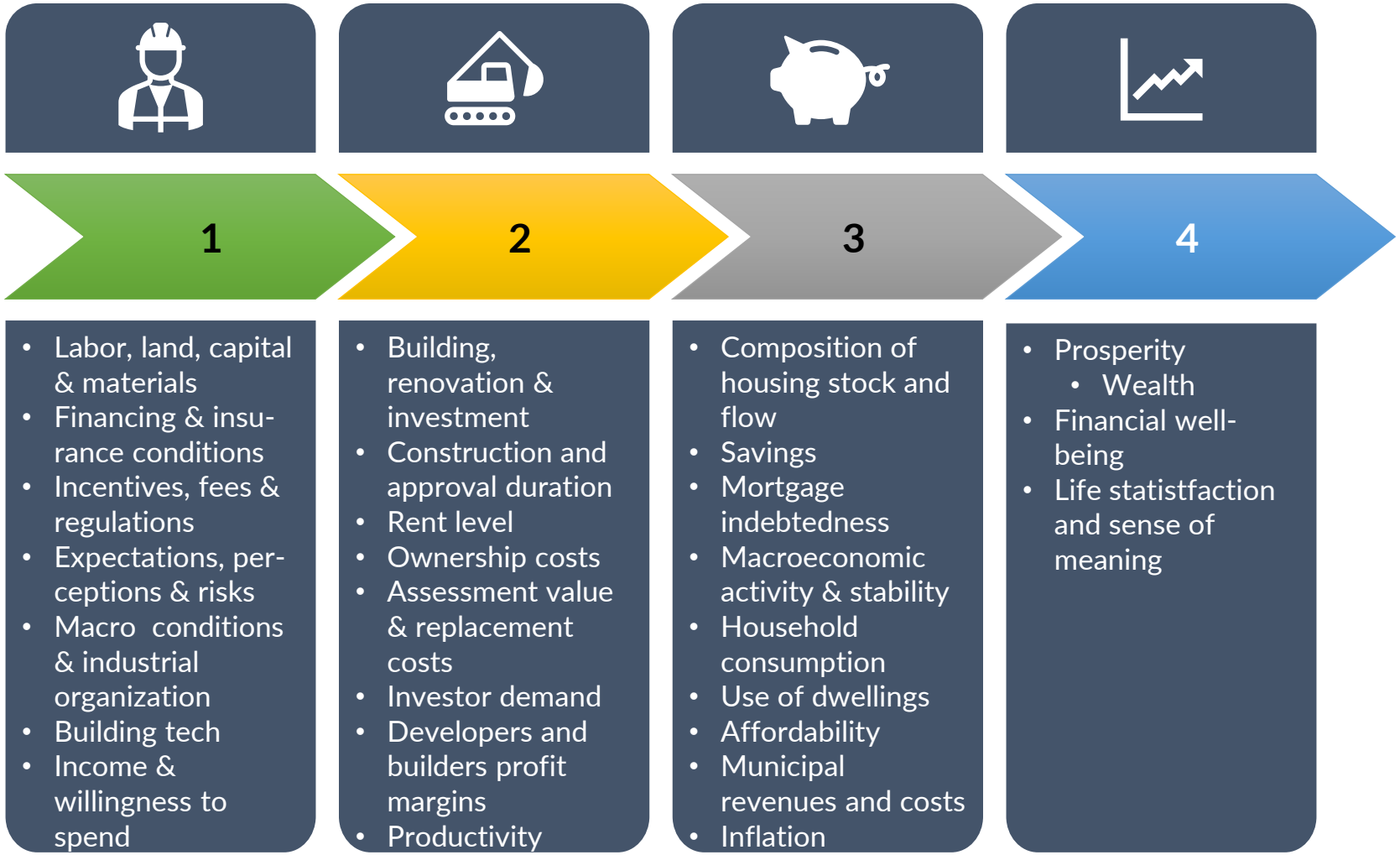
2. Emerging themes and policy focus



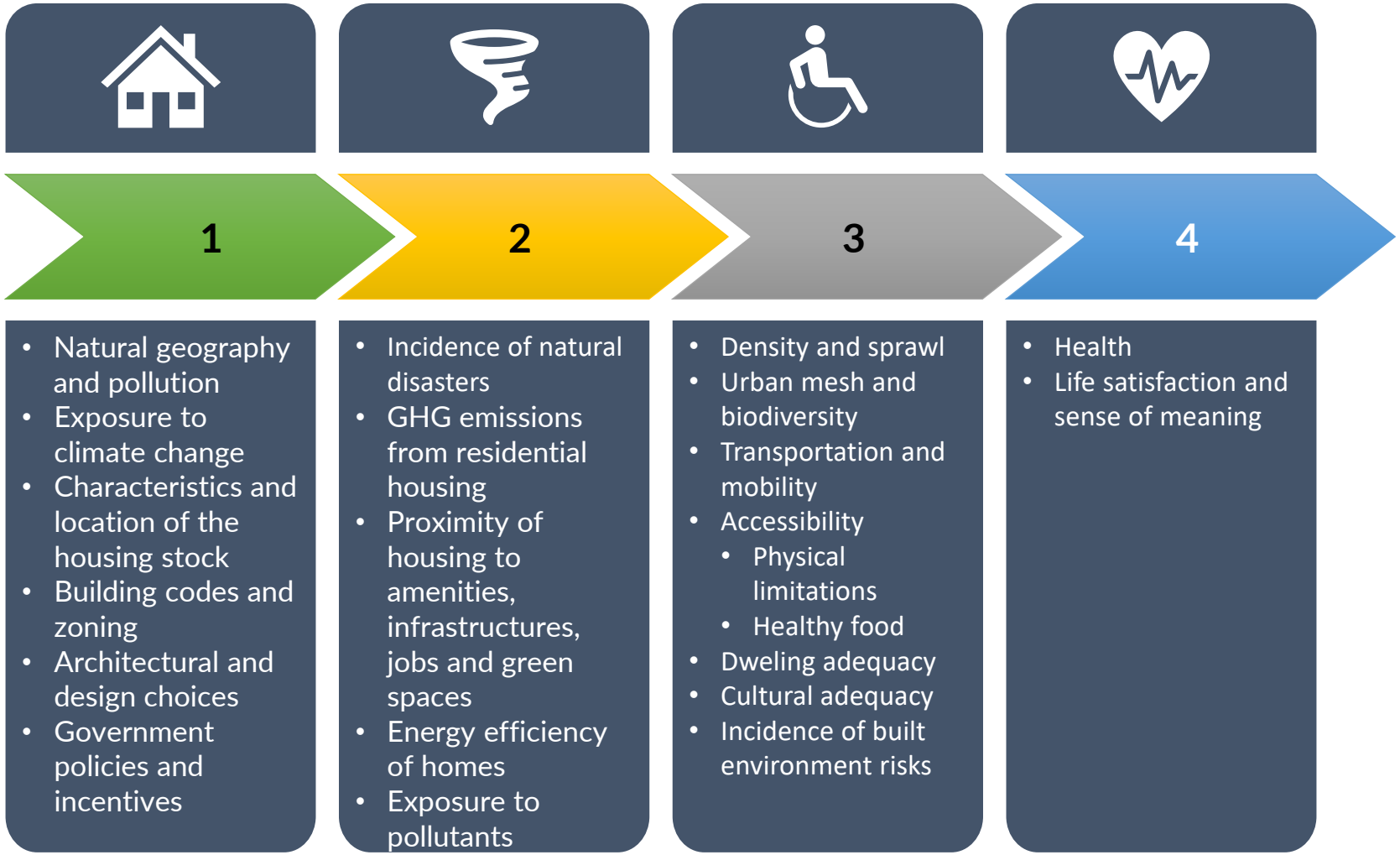
3.1 Social factors and dimensions



3.2 Economic factors and dimensions



3.3 Environmental factors and dimensions



Way forward

- Detailed mapping of concepts to indicators, data holdings and gaps.
- Improved governance (external and internal) and coordination
- Production of horizontal analyses:
  - Microeconomic analysis of flood hazard on residential properties and owners
  - Financial drivers and outcomes of homelessness experiences and evictions