CODEBOOK

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INTRODUCTION

This codebook was developed to support the readability of the dataset 'Mapping social innovation and collaboration in housing in Europe [Co-Lab Mapping] project data'. It describes the content, structure, and layout of the data in the file 'aggregated_data_SE_DK_UK_NL.csv'; and the description of the methods used for processing raw data by country.

CODEBOOK

This codebook contains the variables, values, and description of the file

'aggregated_data_SE_DK_UK_NL.csv'.

- variable names: they are printed in bold and correspond to the names in the dataset.
- empty: means that information is not provided
- string: sequence of characters
- date: 4 digits numeric value (year)
- Integer: whole number (not fraction or negative)

Variable name	Value	Meaning of value
Name	string	It indicates the name of the project. By projects we mean "housing developments that encompass one or more buildings".
development_stage	It indicates the current stage of development of the project.	
	active	when the residents are living in the housing complex, even if final construction works are still incomplete.
	developing	when the housing project is being developed (including the formation of the group, project conception, development and construction /renovation).
completion_year	date	year when project becomes "active"
address	string	address of the project in the form of [street number, city, country]
address_country_code	SE	Sweden
	DK	Denmark
	UK	United Kingdom

	NL	The Netherlands
geolocation	string	Geographic location of the project (latitude and longitude). This value was made available but there are no data attached/related to it.
dwellings_number	integer	It indicates the total number of dwellings per project. By dwellings we mean "housing units with private kitchen and bathroom, used by one or more households".
housing_tenure	The financial arrangement under which someone has the right to live in a house or apartment	
	ownership_co	Co-ownership. Households together own (the organisation that owns) the project
	ownership_full	Full ownership. Households own the dwelling in which they live.
	ownership_shares	Ownership of shares. Households own shares in (the organisation that owns) the project.
	rental_cooperative	Cooperative rental. Households pay rent to the cooperative of renters, while the housing can be either owned by the same cooperative, a municipal company or a private provider.
	rental_private	Private unregulated rental. Households pay rent to private companies or individuals.
	rental_private_regulated	Private regulated rental. Households pay a rent that is set by the government (to guarantee affordability) to private companies or individuals.
	rental_public	Public rental. Households pay rent to an organisation partly owned by the state.

	rental_social	Social rental. Households pay an affordable rent to non-profit organisations
	user_right	Right of/to use. Households are granted the right to use the dwelling for a set period of time.
legal_form	The way in which the applicable law describes an individual, company, or organisation that has legal rights and obligations with regards to the house or apartment	
	association	A non-profit organisation formed by a group of people that share a common interest. Decisions are made by these members, on a one person-one vote basis. Any profit must be reinvested and cannot be shared with members.
	cooperative	A special form of an association that sometimes can share profit between its members. It often follows cooperative principles.
	foundation	Foundation/Trust. A non-profit organisation without members but with a board.
	clt	Community Land Trust. A non-profit, community-based organisation that owns the land and/or dwellings and aims at permanently affordable levels for long-term community benefit.
	clg	Company Limited by Guarantee. A limited liability company, as the outside world deals with the company as a separate entity and not the Company Members on an individual basis. Should the company fail, the governing documents state how much the members are personally liable for.

	cbs	Community Benefit Society. A charitable or non-charitable organisation which conducts an industry, business or trade for the benefit of the community.
	rs	Registered Society. An organisation with its own legal personality and where members hold shares. It is registered by the Financial Conduct Authority under the Co-operative and Community Benefit Societies Act 2014. There are two kinds of registered society: a community benefit society and a co-operative society.
source_id	1	Kollektivhus, November 2020, data about cohousing and senior cohousing in Sweden.
	2	Realdania, April 2019, data about senior cohousing in Denmark.
	3	National CLT Network, November 2020, data about Community Land Trusts in the UK.
	4	BIEB, February 2022, data about CPOs in the Netherlands
	5	Gemeenschappelijk Wonen, November 2019, data about collaborative housing in the Netherlands

DATA PROCESSING

The methods for data processing for this project consisted on translating and organising manually raw data collected from each country's source.

- empty: the information is not provided.
- date: 4 digits numeric value (year)
- string: sequence of characters
- integer: whole number (not a fraction or negative)

SWEDEN

Source variable	Source value	Final variable	Final value	Remarks
name of cohouse	string1	name	string1	
started living	date	completion_year	date	
started living	date	development_stage	active	
	empty	development_stage	developing	
City/munici-pality	string1	address	fn: concat("string2", "string1", "SE")	Results from source combination of values
address	String2			
number of flats	integer	dwellings_number	integer	
tenure today	tenancy	housing_tenure	rental_public	Results from specific source combination of variables and values
type of house owner	municipality			
	owned public housing company			
tenure today	tenancy	housing_tenure	rental_private_regulated	Results from specific source combination of variables and values
type of house owner	private housing company			
tenure today	tenancy	housing_tenure	rental_private_regulated	Results from specific source combination of variables and values
type of house owner	foundation or trust			
tenure today	tenancy	housing_tenure	rental_private_regulated	Results from specific source combination of variables and values
type of house owner	private person			
tenure today	cooperative tenancy	housing_tenure	rental_cooperative	
tenure today	condominium	housing_tenure	ownership_co	
tenure today	cooperative tenancy	legal_form	cooperative	
type of house owner	foundation or trust	legal_form	foundation	

DENMARK

Source variable	Source value	Final variable	Final value	Remarks
Name	string	name	string	years are removed from the names
Established	date	development_stage	active	
Established	empty	development_stage	developing	
Established	date	completion_year	date	
Established	empty	completion_year	empty	
Adresse	string1	address	fn: concat("string1", "string2", "DK")	Additional information besides the street name from "string1" was deleted.
Postal number	string2			
Number of housing units	integer	dwellings_number	integer	
Type of ownership	Andelsboliger	housing_tenure	ownership_shares	
Type of ownership	Almene boliger	housing_tenure	rental_public, rental_social	
Type of ownership	Ejerboliger	housing_tenure	ownership_full	
Type of ownership	Lejeboliger	housing_tenure	rental_private-regulated	
Type of ownership	Medejerboliger	housing_tenure	ownership_co	
Type of ownership	Andelsboliger	legal_form	cooperative	

UNITED KINGDOM

Source variable	Source value	Final variable	Final value	Remarks
Group Id	string1	name	Fn:concat("string1", "-", "string2")	
Project ID	string2			
Current stage	Live	development_stage	active	
	Build	development_stage	developing	
	Group	development_stage	developing	
	No Stage Selected	development_stage	developing	
	Plan	development_stage	developing	
	Concept	development_stage	developing	
	Site	development_stage	developing	

Target overall year for completion	date	completion_year	date	Results from specific source combination of variables and values
Current stage	Live			
Target overall year for completion	empty	completion_year	empty	
Current stage	Build	completion_year	empty	
	Group	completion_year	empty	
	No Stage Selected	completion_year	empty	
	Plan	completion_year	empty	
	Concept	completion_year	empty	
	Site	completion_year	empty	
Project Postcode Area	String1	address	Fn: concat("None", "string1" "none", "GB")	
Total number of homes	integer	dwellings_number	integer	
Legal form	Registered Society (formerly known as Industrial and Provident Society)	legal_form	['clt', 'rs']	
	Community Benefit Society	legal_form	['clt', 'cbs']	
	Community Benefit Society (charitable)	legal_form	['clt', 'cbs']	
	Community Benefit Society (non-charitable)	legal_form	['clt', 'cbs']	
	Community Interest Company	legal_form	empty	
	Company Limited by Guarantee	legal_form	['clt', 'clg']	
	Company Limited by Shares	legal_form	empty	
	Not yet incorporated	legal_form	empty	

	Charitable Incorporated Organisation	legal_form	empty	
	empty	legal_form	empty	
Affordable Rent Homes	> 0	housing_tenure	rental_private_reg ulated	
Living Rent Homes	> 0	housing_tenure	rental_private_reg ulated	
Social Rent Homes	> 0	housing_tenure	rental_social	
Market Sale Homes	> 0	housing_tenure	ownership_full	
Discounted Market Sale Homes (% market)	> 0	housing_tenure	ownership_full	
Discounted Market Sale Homes (% income)	> 0	housing_tenure	ownership_full	
Market Rent Homes	> 0	housing_tenure	rental_private	
Shared Ownership Homes	> 0	housing_tenure	ownership_co	
Shared Equity Homes	> 0	housing_tenure	ownership_shares	
Mutual Home Ownership Homes	> 0	housing_tenure	ownership_shares	
Legal form	Registered Society (formerly known as Industrial and Provident Society)	legal_form	clt, rs	
	Community Benefit Society	legal_form	clt, cbs	
	Community Benefit Society (charitable)	legal_form	clt, cbs	
	Community Benefit Society	legal_form	clt, cbs	

	(non-charitable)			
	Community Interest Company	legal_form	empty	
	Company Limited by Guarantee	legal_form	clt, clg	
	Company Limited by Shares	legal_form	empty	
	Not yet incorporated	legal_form	empty	
	Charitable Incorporated Organisation	legal_form	empty	
	Registered Society - formerly (known as Industrial and Provident Society)	legal_form	clt, rs	
	empty	legal_form	empty	

THE NETHERLANDS

The data collected from The Netherlands was extracted from two different sources. An individual table was developed for each one to explain how data was processed.

1. **BIEB:** source_id 4. [**https://bouwenineigenbeheer.nl**](https://bouwenineigenbeheer.nl)

Source variable	Source value	Final variable	Final value	Remarks
development_st age	completed	development_st age	active	This dataset was organised by the umbrella organisation according to our label/filter system. The initially provided designations "completed" and

development_st age	under development	development_st age	developing	"under development" were further updated to "active" and "developing" respectively.

2. **Gemeenschappelijk Wonen:** source_id 5. All data were extracted from a list displayed on the <u>website</u>. No excel sheet was provided.

Source value	Final variable	Final value	Remarks
*	development_stage	developing	all projects marked with the symbol "*" are developing
[date]	completion_year	date	Date in brackets next to the name indicates the start year of the project.
[integer]	dwellings_number	integer	The number in brackets next to the name indicates the number of dwellings.
HK = Huur- en koopwoningen	housing_tenure	rental_social, ownership_full	
H = Huurwoningen	housing_tenure	rental_social	
K = Koopwoningen	housing_tenure	ownership_full	