

16 October 2025

Data content of spatial data interfaces for building information in Ryhti

1. Description of data

Four open data content interfaces have been created from the data specified in the Construction Act to be submitted to the Ryhti information system. There are also two contractual interfaces available, which contain public information.

- Completed buildings in an open interface
- Completed buildings in a public interface
- Project buildings in an open interface
- Project buildings in a public interface
- Addresses of completed buildings
- Addresses of project buildings

2. Description of attributes

The Completed building interface contains information on completed and demolished buildings. The Addresses of completed buildings interface contains the addresses of completed and demolished buildings.

The Project buildings interface contains building information from the project phase, i.e. the so-called permit data. A single building can be associated with several project buildings. A project building can also be unfinished. The Addresses of project buildings interface contains the addresses of all project buildings.

Open data content of the completed buildings interface

Attribute data field	Example	Description
permanent_building_identifier	100339995R	Permanent building identifier
property_identifier	83770500010146	Property identifier
facade_material	http://uri.suomi.fi/codelist/rytj/julkisivunrakennusaine/code/01	Façade material
total_area	100	Total area
heating_method	http://uri.suomi.fi/codelist/rytj/lammitystapa/code/01	Heating method
floor_area	28.0	Floor area
heating_energy_source	http://uri.suomi.fi/codelist/rytj/lammitysenergianlahde/code/01	Heating energy source
is_accessible	true / false	Accessible
completion_date	13.12.2024	Completion date
material_of_load_bearing_structures	http://uri.suomi.fi/codelist/rytj/kantavanrakenteenrakennusaine/code/01	Construction material of load-bearing structure
point_location_srid	3067	Spatial Reference System Identifier (SRID)
main_purpose	Julkinen rakennus	Purpose of the building
construction_method	http://uri.suomi.fi/codelist/vtj/Rake_runkotapa/code/01	Construction technique
municipality_number	249	Municipality code
volume	9999999	Capacity
modified_timestamp_utc	13.12.2024	Date and time of update
usage_status	http://uri.suomi.fi/codelist/vtj/rake_kaytossaolotilanne/code/08	Building usage status
number_of_storeys	2	Number of storeys
demolition_date	13.12.2024	Demolition date
gross_floor_area	9999999	Gross floor area of building
modified_timestamp_utc	16.5.2025 7:58	Date and time of last modification
voting_district_number	1	Voting district
apartment_count	5	Number of apartments
protection_method	http://uri.suomi.fi/codelist/rytj/suojtapa/code/0106	The code value shows the legislation or land use decision on which protection is based
culture_historical_significance	http://uri.suomi.fi/codelist/rakrek/kulthistmercode/1	Cultural-historical significance

Public data content of the completed buildings interface

Attribute data field	Example	Description
building_key	157d136b-6b3e-4911-88d3-c6dddabe89f0	Unique identifier of building
permanent_building_identifier	900347223T	Permanent identifier of building
building_name_fin	Kultaranta	Building name in Finnish
building_name_swe	Guldstranden	Building name in Swedish
building_description_fin	Kivirakenteinen omakotitalo	Building description in Finnish
building_description_swe	Stenbyggt enfamiljshus	Building description in Swedish
demolition_deadline	2123-12-29	Building demolition deadline
property_identifier	12340500000000	Property identifier
unseparated_parcel_identifier	1234567891234560000	Parcel code
unit_identifier	1234567891234567891	Unit identifier
voting_district_number	1	Voting district number
building_site_name_fin	Harmaakorpi	Finnish name of building site
building_site_name_swe	Gråkär	Swedish name of building site
building_site_description_fin	Rakennuspaikka keskellä metsää	Description of the building site in Finnish
building_site_description_swe	Byggarbetsplats mitt i skogen	Description of the building site in Swedish
building_site_area	20000	Building site area (m ²)
storm_water_treatment_type	http://uri.suomi.fi/codelist/rytj/hulevedenkasittely/code/01	Storm water treatment method of building site (e.g. absorption, detention)
spatial_plan	AK-090909	Plan identifier
status_of_plan_id	http://uri.suomi.fi/codelist/vtj/Rake_kaava/code/01	Planning status of building site (e.g. local detailed plan, master plan)
tenure	http://uri.suomi.fi/codelist/rytj/RakennuspaikanHallintaperuste/code/1	Tenure status of building site (e.g. ownership, rent)
public_main_purpose	http://uri.suomi.fi/codelist/jhs/rakennus_1_20180712/code/0110	Building classification 2018
public_main_purpose1994	010	Building classification 1994
completion_date	2023-03-29	Building completion date
commissioning_date	2023-03-29	Commissioning date
renovation_date	2023-03-29	Building renovation date
usage_status	http://uri.suomi.fi/codelist/vtj/rake_kaytossaolotilanne/code/01	Usage status
demolition_date	2023-03-29	Demolition date
reason_for_demolition	Purettu uudisrakentamisen vuoksi	Demolition reason
number_of_storeys	1	Number of storeys
volume	500	Building volume (m ³)
gross_floor_area	90	Gross floor area of building (m ²)
total_area	1000	Total area of building (m ²)
apartment_count	1	Number of apartments in the building

floor_area	80	Floor area of building
construction_method	http://uri.suomi.fi/codelist/vtj/Rake_runkotapa/code/01	Building construction method (e.g. built on site, prefabricated)
material_of_load_bearing_structures	http://uri.suomi.fi/codelist/rytj/kantavanrakenteenrakennusaine/code/01	Construction material of load-bearing structures (e.g., concrete, steel)
facade_material	http://uri.suomi.fi/codelist/rytj/julkisivunrakennusaine/code/01	Construction material of façade (e.g. brick, wood)
heating_method	http://uri.suomi.fi/codelist/rytj/lammitystapa/code/01	Heating method of building (e.g. district heating, electricity)
heating_energy_source	http://uri.suomi.fi/codelist/rytj/lammitysenergianlahde/code/01	Heating energy source of building (e.g. electricity, wood, geothermal heat)
point_location_srid	3067	Spatial Reference System Identifier (SRID)
point_location_geometry_data	25.123487976, 64.9124232	Building position
primary_address_fin	Koulutie 0a-3a	Address in Finnish
primary_address_swe	Skolgatan 0a-3a	Address in Swedish
postal_code	34260	Postal code
postal_office_fin	TERÄLAHTI	Post office in Finnish
postal_office_swe	TERÄLAHTI	Post office in Swedish
relation_to_ground_level	http://uri.suomi.fi/codelist/rytj/Suhde_pintaan/code/01	Relation to ground level
equipment	[{"EquipmentType": "http://uri.suomi.fi/codelist/rytj/RakennusVaruste/code/03", "EquipmentCount": null}, {"EquipmentType": "http://uri.suomi.fi/codelist/rytj/RakennusVaruste/code/04", "EquipmentCount": null}]	Building equipment (e.g. lift, sprinkler system)
network_connection	[{"NetworkConnectionType": "http://uri.suomi.fi/codelist/rytj/verkliit/code/02"}, {"NetworkConnectionType": "http://uri.suomi.fi/codelist/rytj/verkliit/code/03"}]	Building network connections (e.g. power grid, telecommunications network)
apartment	[{"ApartmentIdentifier": "800034219E", "ApartmentIdentifierLetterSuffix": "A", "ApartmentNumber": 1, "ApartmentSubdivisionLetter": "a", "ApartmentType": "http://uri.suomi.fi/codelist/rytj/Huoneistotyyppi/code/01", "NumberOfRooms": 1, "KitchenType": "http://uri.suomi.fi/codelist/rytj/Keittiotyyppi/code/01", "FloorArea": 8}, {"ApartmentIdentifier": "800034210F", "ApartmentIdentifierLetterSuffix": "A", "ApartmentNumber": 2, "ApartmentSubdivisionLetter": "a", "ApartmentType": "http://uri.suomi.fi/codelist/rytj/Huoneistotyyppi/code/01", "NumberOfRooms": 2, "KitchenType": "http://uri.suomi.fi/codelist/rytj/Keittiotyyppi/code/02", "FloorArea": 18}]	Apartments in building
modified_timestamp_utc	16.5.2025 7:58	Date and time of last modification

Open data content of the project buildings interface

Attribute data field	Example	Description
permanent_permit_identifier	3000002093	Permanent permit identifier
permanent_building_identifier	100339995R	Permanent building identifier
dvv_permit_identifier	83700056-02389011010	VTJ permit identifier
decision_date	01.01.2024	Date of issue of permit
construction_action_type	http://uri.suomi.fi/codelist/rytj/Rakentamistoimenpide/code/01	Construction measure
status_of_construction_action	http://uri.suomi.fi/codelist/rytj/rakkohteen-toimenpiteen-tila/code/5	Status of construction site measure
start_date	01.01.2024	Project start date
construction_to_be_completed_by_extension	3000002094	Decision to extend the project
expiry_date	01.01.2027	Expiry date
property_identifier	83770500010146	Property identifier
facade_material	http://uri.suomi.fi/codelist/rytj/julkisivunrakennusaine/code/01	Façade material
total_area	100	Total area
heating_method	http://uri.suomi.fi/codelist/rytj/lammitystapa/code/01	Heating method
floor_area	28.0	Floor area
heating_energy_source	http://uri.suomi.fi/codelist/rytj/lammitysenergianlahde/code/01	Heating energy source
is_accessible	true	Accessible
completion_date	13.12.2024	Completion date
material_of_load_bearing_structures	http://uri.suomi.fi/codelist/rytj/kantavanrakenteenrakennusaine/code/01	Construction material of load-bearing structure
point_location_srid	3067	Spatial Reference System Identifier (SRID)
main_purpose	Julkinen rakennus	Purpose of the building
construction_method	http://uri.suomi.fi/codelist/vtj/Rake_runkotapa/code/01	Construction technique
municipality_number	249	Municipality code
volume	9999999	Capacity
modified_timestamp_utc	13.12.2024	Date and time of update
usage_status	http://uri.suomi.fi/codelist/vtj/rake_kaytossaolotilanne/code/08	Building usage status
number_of_storeys	2	Number of storeys
demolition_date	13.12.2024	Demolition date
gross_floor_area	9999999	Gross floor area of building

Public data content of project buildings interface

Attribute data field	Example	Description
building_key	0a531a60-aa3e-447c-8d27-80ba77040525	Unique identifier of building
municipality_number	837	Municipality code
permanent_permit_identifier	300001612B	Permanent permit identifier
dvv_permit_identifier	83700056-09432011010	VTJ permit identifier
date_of_initiation	29.1.2023	Date of initiation
life_cycle_state	http://uri.suomi.fi/codelist/rytj/rakvalv-Asian-elinkaaren-tila/code/4	Case life cycle status
building_permit_application_type	http://uri.suomi.fi/codelist/rytj/Hakemuksen-Tyyppi/code/01	Building permit application type
type_of_permit_application	http://uri.suomi.fi/codelist/rytj/LuvanSisalto/code/01	Permit application type
application_life_cycle_state	http://uri.suomi.fi/codelist/rytj/lupahak-elinkaaren-tila/code/2	Application life cycle status
date_of_reception	28.3.2023	Date of receipt
application_content	updatedString	Application content
call_for_deviation	[{"DeviationType":"http://uri.suomi.fi/codelist/rytj/PoikkeamisenLaji/code/01"...}]	Requested deviations
accepted_deviation	[{"DeviationType":"http://uri.suomi.fi/codelist/rytj/PoikkeamisenLaji/code/01"...}]	Approved deviations
permit_regulation	[{"PermitRegulationType":"http://uri.suomi.fi/codelist/rytj/Lupamaarayshierarkin/cod e/M01"...}]	Permit regulation
decision_life_cycle_state	http://uri.suomi.fi/codelist/rytj/paatoksen-elinkaaren-tila/code/11	Decision life cycle status
decision_date	29.3.2023	Date of issue of permit
date_of_decision	30.3.2023	Decision date
date_of_validity_of_decision	31.3.2023	Date on which the decision becomes final
public_notice_date	1.5.2023	Announcement date
construction_to_be_started_by	29.3.2023	Construction start date
construction_to_be_completed_by	29.3.2025	Construction completion date
construction_to_be_started_by_extension	29.3.2025	Construction start date (extension)
construction_to_be_completed_by_extension	29.3.2026	Construction completion date (extension)
decision_article	§39	Decision article
decision_text_fin	Myönnetään hakemuksen mukainen rakennuslupa asuinrakennuksen rakentamista varten....	Text of the decision in Finnish
decision_text_swe	Bygglov beviljas i enlighet med ansökan om uppförande av ett bostadshus....	Text of the decision in Swedish
related_permit	30000015K	Related permit
decision_maker_type	http://uri.suomi.fi/codelist/rytj/PaatoksenTe kija/code/01	Decision-maker type
property_identifier	98710500019999	Property identifier
unseparated_parcel_identifier	98710500019999M0104	Parcel code
unit_identifier	98710500019999L0104	Unit identifier
building_site_name	Mattilan rakennuspaikka	Name of building site
building_site_description	Asemakaavan mukainen tontti kalliolla	Description of the building site
building_site_area	3000	Building site area (m ²)
type_of_storm_water_treatment	http://uri.suomi.fi/codelist/rytj/hulevedenka sittely/code/01	Storm water treatment method

status_of_plan	http://uri.suomi.fi/codelist/vtj/Rake_kaava/code/01	Planning situation
tenure	http://uri.suomi.fi/codelist/rytj/RakennuspaikanHallintaperuste/code/1	Tenure status
description_of_action_fin	Uudisrakennus	Description of the measure in Finnish
description_of_action_swe	Nybyggnad	Description of the measure in Swedish
construction_action_type	http://uri.suomi.fi/codelist/rytj/Rakentamistoiimenpide/code/01	Construction measure
change_type	http://uri.suomi.fi/codelist/rytj/muutostyo/code/01	Change type
reason_for_demolition	Uudisrakennuksen tieltä puretaan vanha rakennus	Demolition reason
business_construction	TRUE	Business construction
renovation	FALSE	Renovation
renovation_rate	0	Renovation rate (%)
status_of_construction_action	http://uri.suomi.fi/codelist/rytj/rakkohteen-toimenpiteen-tila/code/5	Status of construction site measure
start_date	29.4.2023	Project start date
commissioning_date	1.1.2024	Commissioning date
fully_approved_for_use	TRUE	Fully approved for use
completion_date	12.12.2024	Completion date
expiry_date	12.12.2024	Expiry date
area_undergoing_changes	100	Area subject to changes (m ²)
volume_change	200	Change in volume (m ³)
gross_floor_area_change	500	Change in gross floor area (m ²)
permitted_building_area_change	500	Change in building rights (m ²)
total_area_change	550	Change in total area (m ²)
floor_area_change	450	Change in floor area (m ²)
basement_area_change	200	Change in basement area (m ²)
number_of_storeys_change	1	Change in number of storeys
building_municipality_number	837	Building municipality code
permanent_building_identifier	9000026396	Permanent building identifier
building_name_fin	Mahtava kartano	Building name in Finnish
building_name_swe	Magnifik herrgård	Building name in Swedish
building_description_fin	Kivirakenteinen omakotitalo	Building description in Finnish
building_description_swe	Stenbyggt enfamiljshus	Building description in Swedish
temporary	TRUE	Temporary
demolition_deadline	29.12.2123	Demolition deadline
public_main_purpose	http://uri.suomi.fi/codelist/jhs/rakennus_1_20180712/code/0110	Building classification 2018
public_main_purpose1994	null	Building classification 1994
building_completion_date	12.12.2024	Building completion date
renovation_date	12.12.2024	Renovation date
usage_status	http://uri.suomi.fi/codelist/vtj/rake_kaytosaolotilanne/code/10	Usage status
demolition_date	12.12.2024	Demolition date
building_reason_for_demolition	http://uri.suomi.fi/codelist/rytj/PurkamisenSyy/code/01	Reason for building demolition
number_of_storeys	2	Number of storeys
volume	1000	Volume (m ³)
gross_floor_area	300	Gross floor area (m ²)
total_area	400	Total area (m ²)
voting_district_number	1	Voting district number

apartment_count	1	Number of apartments
protection_method	http://uri.suomi.fi/codelist/rytj/suojtapa/code/02	Protection method
culture_historical_significance	http://uri.suomi.fi/codelist/rakrek/kulthistmer/code/1	Cultural-historical significance
total_apartment_area	28	Total floor area (m ²)
construction_method	http://uri.suomi.fi/codelist/vtj/Rake_runkotapa/code/01	Construction technique
material_of_load_bearing_structures	http://uri.suomi.fi/codelist/rytj/kantavanrakenteenrakennusaine/code/01	Construction material of load-bearing structures
facade_material	http://uri.suomi.fi/codelist/rytj/julkisivunrakennusaine/code/01	Construction material of façade
heating_method	http://uri.suomi.fi/codelist/rytj/lammitystapa/code/01	Heating method
heating_energy_source	http://uri.suomi.fi/codelist/rytj/lammitysenergia/lahte/code/01	Heating energy source
relation_to_ground_level	http://uri.suomi.fi/codelist/rytj/Suhde_pintaan/code/01	Relation to ground level
equipment	[{"EquipmentType":"http://uri.suomi.fi/codelist/rytj/RakennusVaruste/code/03"...}]	Equipment
network_connection	[{"NetworkConnectionType":"http://uri.suomi.fi/codelist/rytj/verkkliit/code/02"...}]	Network connections
apartment	[{"ApartmentIdentifier":"800003066H","ApartmentNumber":1...}]	Apartments
modified_timestamp_utc	2025-09-16T11:24:51.559Z	Date and time of last modification (UTC)
point_location_srid	3067	Spatial Reference System Identifier (SRID)
point_location_geometry_data	[23.9246715, 61.65022366]	Position
permitted_volume	500	Permitted volume (m ³)
permitted_ridge_height	15	Permitted ridge height (m)
change_in_permitted_volume	550	Permitted change in volume (m ³)
change_in_permitted_ridge_height	2	Permitted change in ridge height (m)

Addresses of completed buildings

Attribute data field	Example	Description
building_key	c40d63de-3849-47bc-a713-ccaa15ac4d62	Building key
id	open_address.12642685-b8bb-4bb1-bedb-ffe2565a5d76	Address identifier
address_number	9	Address sequence number
address_name_fin	Mannerheimintie	Address name in Finnish
address_name_swe	Mannerheimvägen	Address name in Swedish
number_part_of_address_number	1	Number part of address
number_part_of_address_number2	3	Latter number part of address range
municipality_number	091	Municipality number
subdivision_letter_of_address_number	a	Dividing letter in address
subdivision_letter_of_address_number2	c	Latter dividing letter in address range
postal_code	00100	Postal code
location_srid	3067	
modified_timestamp_utc	2024-12-19 07:48:23.240067	Time of update
postal_office_fin	HELSINKI	Post office in Finnish
postal_office_swe	HELSINGFORS	Post office in Swedish
address_fin	Mannerheimintie 1a-3c	Address in Finnish
address_swe	Mannerheimvägen 1a-3c	Address in Swedish

Addresses of project buildings

Attribute data field	Example	Description
building_key	c40d63de-3849-47bc-a713-ccaa15ac4d62	Building key
id	open_permit_address.12642685-b8bb-4bb1-bedb-ffe2565a5d76	Address identifier
address_number	9	Address sequence number
address_name_fin	Mannerheimintie	Address name in Finnish
address_name_swe	Mannerheimvägen	Address name in Swedish
number_part_of_address_number	1	Number part of address
number_part_of_address_number2	3	Latter number part of address range
municipality_number	091	Municipality number
subdivision_letter_of_address_number	a	Dividing letter in address
subdivision_letter_of_address_number2	c	Latter dividing letter in address range
postal_code	00100	Postal code
location_srid	3067	Spatial Reference System Identifier (SRID)
modified_timestamp_utc	2024-12-19 07:48:23.240067	Time of update
postal_office_fin	HELSINKI	Post office in Finnish
postal_office_swe	HELSINGFORS	Post office in Swedish
address_fin	Mannerheimintie 1a-3c	Address in Finnish
address_swe	Mannerheimvägen 1a-3c	Address in Swedish