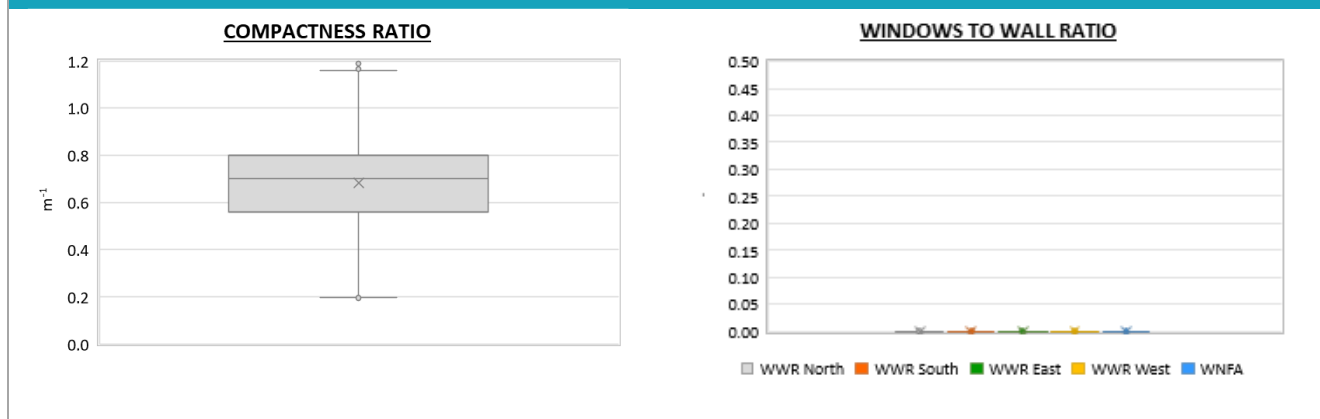


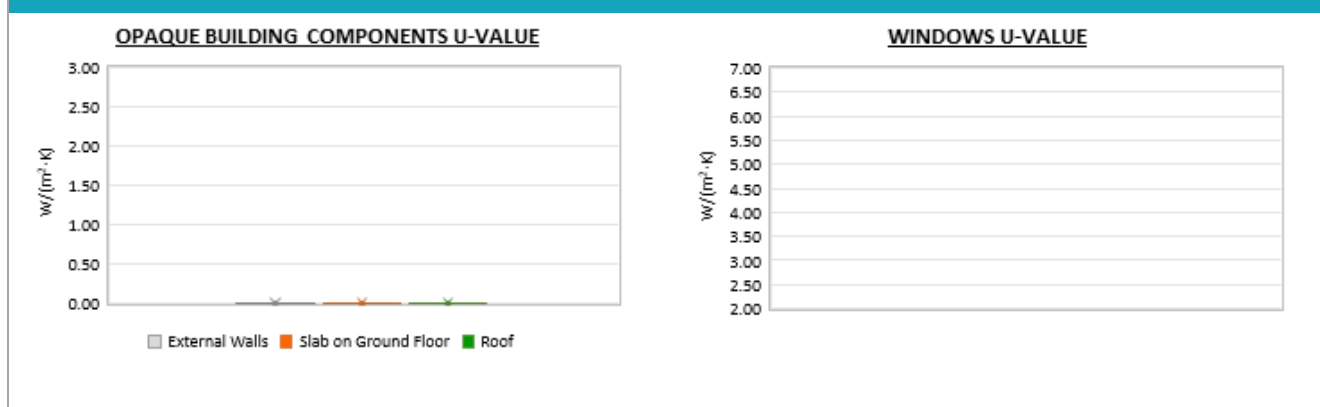
Region:	Trentino						Archetype code: RES_SINGLE_ 1961-1970_F_TN	
Building category:	Residential single buildings							
Period of construction:	1961-1970							
Climatic zone:	F	Number of records:				2885		
Description (the codes associated with walls and slabs refer to the structures described in UNI/TR 11552:2014): External walls: no data available Roof slabs: no data available							Data sources: EPC databases (100%)	
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)
BUILDING GEOMETRY	Number of floors	$n_f$	-	-	-	-	-	-
	Gross height	$H_g$	m	-	-	-	-	-
	Footprint area	$A_{\text{footprint}}$	m <sup>2</sup>	-	-	-	-	-
	Heated gross floor area	$A_{H,g}$	m <sup>2</sup>	-	-	-	-	-
	Heated net floor area	$A_{H,n}$	m <sup>2</sup>	119	305	69	88	112
	Heated gross volume	$V_{H,g}$	m <sup>3</sup>	-	-	-	-	-
	Heated net volume	$V_{H,n}$	m <sup>3</sup>	437	1017	252	329	424
	Compactness ratio	$A_{\text{env}}/V_{H,g}$	m <sup>-1</sup>	0.68	0.20	0.56	0.70	0.80
	WWR – North orientation	$WWR_N$	-	-	-	-	-	-
	WWR – South orientation	$WWR_S$	-	-	-	-	-	-
	WWR – East orientation	$WWR_E$	-	-	-	-	-	-
	WWR – West orientation	$WWR_W$	-	-	-	-	-	-
	Window to useful floor area ratio	$A_{wi}/A_{\text{use}}$	-	-	-	-	-	-
	ENVELOPE	Roof type	-					
U-value of the roof		$U_{\text{fl,up}}$	W/(m <sup>2</sup> ·K)	-	-	-	-	-
External walls type		-						
U-value of the wall		$U_{\text{wl}}$	W/(m <sup>2</sup> ·K)	-	-	-	-	-
Slab on ground floor type		-						
U-value of the floor		$U_{\text{fl,lw}}$	W/(m <sup>2</sup> ·K)	-	-	-	-	-
Windows type		-						
U-value of the windows		$U_W$	W/(m <sup>2</sup> ·K)	-	-	-	-	-
Shading system type		-						
GAINS and VENTILATION	Occupancy density *	$O_C$	person/m <sup>2</sup>	UNI EN 16798-1				
	Lighting power density *	$W_L$	W/m <sup>2</sup>	UNI EN 16798-1				
	Equipment power density *	$W_A$	W/m <sup>2</sup>	UNI EN 16798-1				
	Type of ventilation	Natural: 100%						
	Air exchange rate *	$n$	h <sup>-1</sup>	0.3	-	0.3	0.3	0.3
THERMAL SYSTEMS	Heating system type	Unknown 71%; Centralized: 17%; Autonomous: 12%						
	Heating generator	Boiler (unknown type): 98%; Air-source heat pump: 1%; Fireplace: 1%						
	Daily operating time of the heating system *	$t_H$	h	No limitation				
	Energy carrier	District heating: 65%; Electricity: 31%; Electricity from PV, wind turbines, hydraulic turbines: 4%						
	Heating emission sub-system	-						
	Cooling system type	Unknown: 100%						
	Daily operating time of the cooling system *	$t_C$	h	No limitation				
	Cooling emission sub-system	-						
	DHW system type	Unknown: 39%; Autonomous – coupled with heating: 31%; Autonomous - detached from heating:17%; Centralized – coupled with heating: 8%; District heating: 5%						
	DHW generator	Natural gas boiler: 45%; Electric boiler: 25%; Unknown 18%; Electric Heat Pump: 11%; Solar thermal: 1%						
* These values were not available in the considered sources, and are thus derived from UNI EN Standards								

Region:	Trento	Archetype code: RES_SINGLE_ 1961-1970_F_TN
Building category:	Residential single buildings	
Period of construction:	1961-1970	
Climatic zone:	F	
Number of records:		2885

### Numerical variables – GEOMETRY



### Numerical variables – ENVELOPE



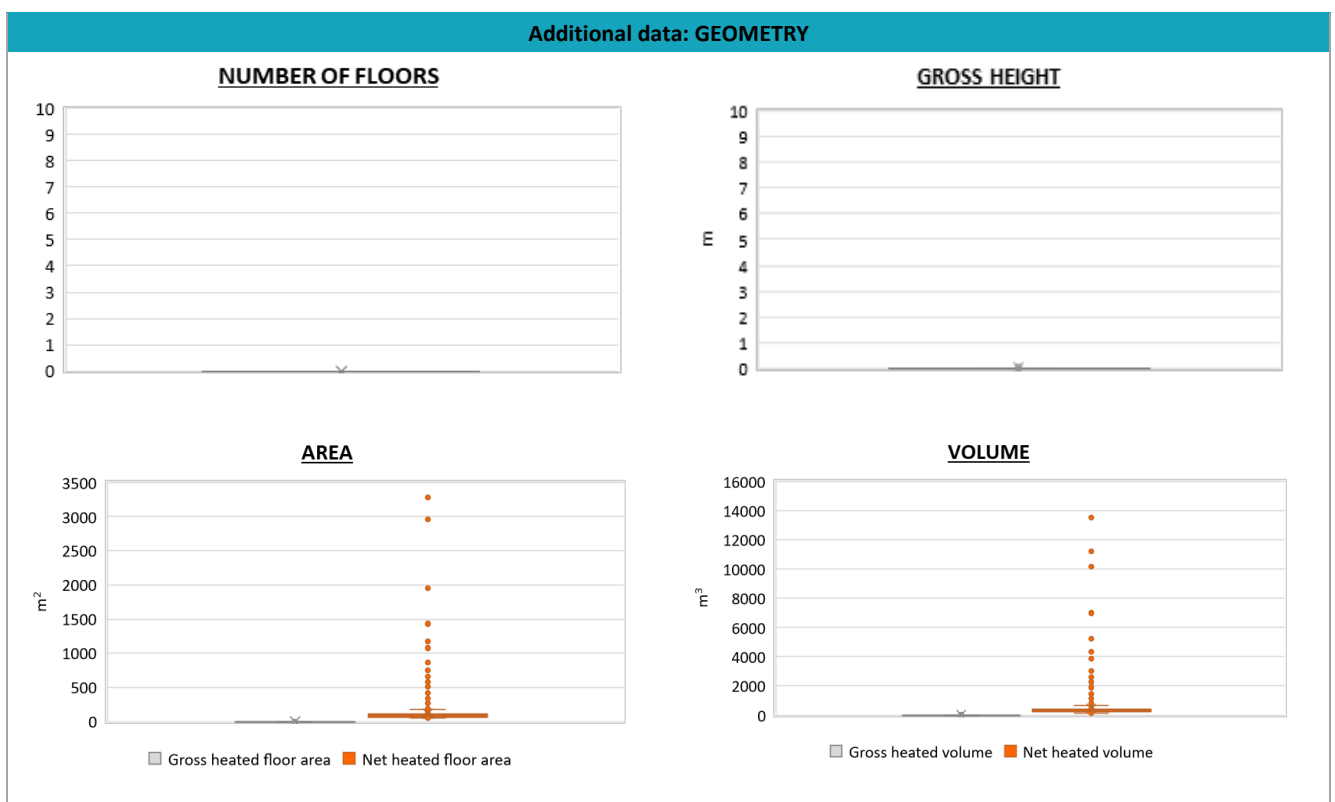
### Numerical variables – GAINS, VENTILATION and SYSTEMS USAGE



The data can be used for analysis, modeling, and research purposes, as long as it remains unaltered in its original form. Users are free to publish results based on the data, provided they credit the original source.

Region:	Trento	Archetype code: RES_SINGLE_ 1961-1970_F_TN
Building category:	Residential single buildings	
Period of construction:	1961-1970	
Climatic zone:	F	
Number of records:		2885

ADDITIONAL DATA								
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)
THERMAL SYSTEMS	Heating efficiency or <i>COP</i>	$\eta_{H,gen}$ or $COP_{H,gen}$	-	This value has to be retrieved from suitable datasheets				
	Total heating power *	$P_{H,gen}$	kW	70	182	24	29	45
	Cooling efficiency or <i>EER</i>	$\eta_{C,gen}$ or $EER_{C,gen}$	-	This value has to be retrieved from suitable datasheets				
	Total cooling power *	$P_{C,gen}$	kW	21	24	7	9	30
	Temperature of DHW	$\vartheta_W$	°C	40	-	40	40	40
	DHW system power *	$P_{W,gen}$	kW	58	193	22	27	34



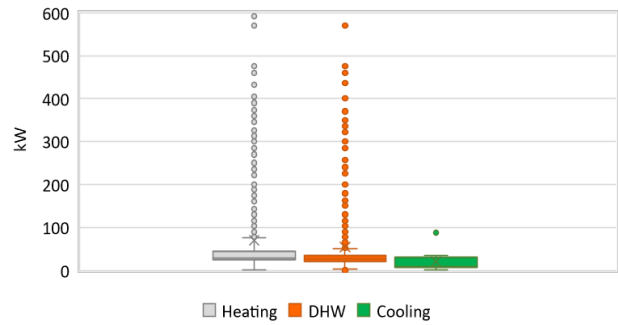
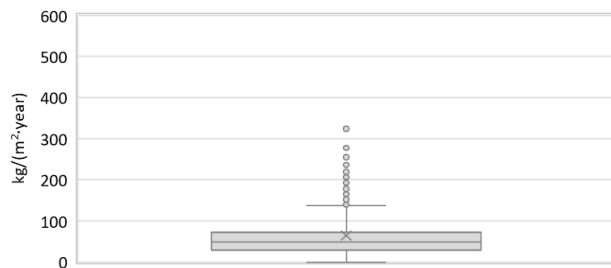
Region:	Trento	Archetype code: RES_SINGLE_ 1961-1970_F_TN
Building category:	Residential single buildings	
Period of construction:	1961-1970	
Climatic zone:	F	
Number of records:		2885

## Additional data: other numerical variables that are not included in the archetype

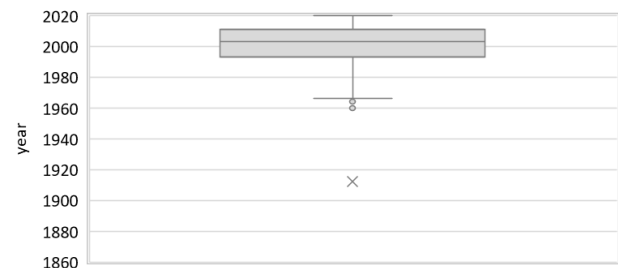
DHW SUPPLY TEMPERATURE



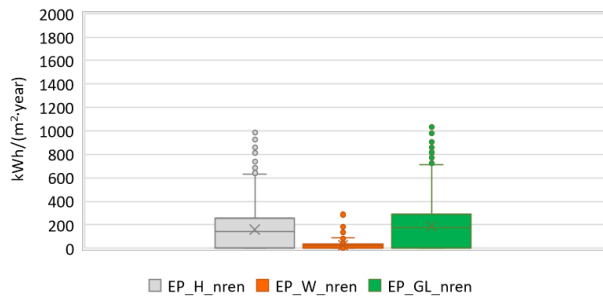
SYSTEM POWER


CO<sub>2</sub> EMISSION


HEATING SYSTEM INSTALLATION YEAR



NON-RENEWABLE PRIMARY ENERGY USE



RENEWABLE PRIMARY ENERGY USE

