PTV GROUP

PTV Data GRID

Germany

R2023_V1.0
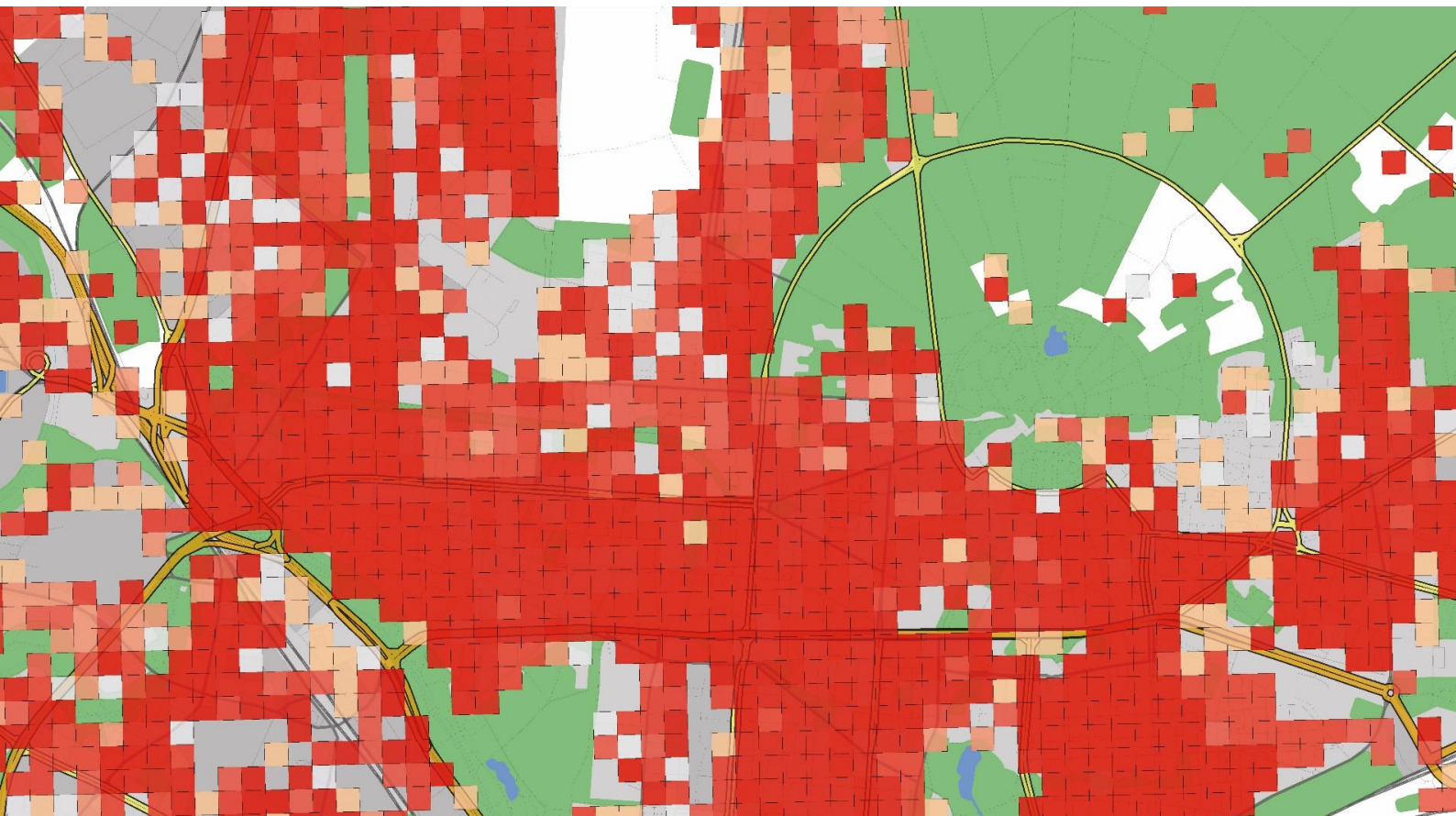
Contents

1   Introduction

PTV Data GRID has been available for Germany since mid-2017. PTV Data GRID with its fine 100 meter and 500 meter grid cells provides an ideal basis for homogenizing a wide variety of data and making it comparable for analysis and planning.

Details on the scope of the data records are described on the following pages. The modules Basic, Population, Buildings and Purchasing Power are available.

The data package is maintained regularly and updated once a year. Despite careful research and examination, discrepancies cannot be completely ruled out and there is no guarantee of a complete data record.

2 General information on the data record

Product name: PTV Data GRID

Content of the data record: 100 x 100 m up to 500 x 500 m areas. The grid cells are INSPIRE-compliant. Demographic data is added to this.

Coverage: Germany

Subset possible: yes

Dimension/Accuracy: 100 x 100 m; 500 x 500 m

Source: AZ Direct GmbH, Gütersloh; PTV Planung Transport Verkehr GmbH, Karlsruhe

Data type: Grid cells/Demographic data

Geometry type: Polygon

Status of the data: 04/2023

Release: R2023_V1.0

Standard data format: MapInfo TAB, ESRI-Shape / Demographic data: Access, Excel, ASCII

Standard coordinate system: longitude/latitude (WGS 84)

Language: German

Update interval: Annual

3 Content and field description of the modules

3.1 Module: Basic

Field name	Description	Data type
INSPIRE_ID	INSPIRE grid cell ID	String
geb_abs	Number of buildings	Long Integer
hh_abs	Number of households	Long Integer
pers_abs	Number of inhabitants	Long Integer

3.2 Module: Population

Field name	Description	Data type
INSPIRE_ID	INSPIRE grid cell ID	String
geb_abs	Number of buildings	Long Integer
hh_abs	Number of households	Long Integer
pers_abs	Number of inhabitants*	Long Integer
alter_dom	Dominating age group	Long Integer
alt_25_abs	Number of inhabitants 18-25 years	Long Integer
alt_25_rel	Percentage of inhabitants 18-25 years	Real
alt_35_abs	Number of inhabitants 26-35 years	Long Integer
alt_35_rel	Percentage of inhabitants 26-35 years	Real
alt_45_abs	Number of inhabitants 36-45 years	Long Integer
alt_45_rel	Percentage of inhabitants 36-45 years	Real
alt_55_abs	Number of inhabitants 46-55 years	Long Integer
alt_55_rel	Percentage of inhabitants 46-55 years	Real
alt_65_abs	Number of inhabitants 56-65 years	Long Integer
alt_65_rel	Percentage of inhabitants 56-65 years	Real
alt_66_abs	Number of inhabitants >65 years	Long Integer
alt_66_rel	Percentage of inhabitants >65 years	Real
w_abs	Number of female inhabitants	Long Integer
w_rel	Percentage of female inhabitants	Real
m_abs	Number of male inhabitants	Long Integer
m_rel	Percentage of male inhabitants	Real

* The number of persons is formed from the sum of the absolute age columns and a delta, which forms the age group 0-17 years. This age group is not shown explicitly as a column.

3.3 Module: Buildings

Field name	Description	Data type
INSPIRE_ID	INSPIRE grid cell ID	String
geb_abs	Number of buildings	Long Integer
hh_abs	Number of households	Long Integer
pers_abs	Number of inhabitants	Long Integer
ggr_dom	Dominating building size	Long Integer
ggr_dom_hh	Building size with the most households	Long Integer
ggr_1_abs	Number of 1-2 family houses	Long Integer
ggr_1_rel	Percentage of 1-2 family houses	Real
ggr_2_abs	Number of 3-5 family houses	Long Integer
ggr_2_rel	Percentage of 3-5 family houses	Real
ggr_3_abs	Number of 6-10 family houses	Long Integer
ggr_3_rel	Percentage of 6-10 family houses	Real
ggr_4_abs	Number of >10 family houses	Long Integer
ggr_4_rel	Percentage > 10 family houses	Real
gtyp_dom	Dominating building type	Long Integer
gtyp_1_abs	Number of building type "residential building"	Long Integer
gtyp_1_rel	Percentage of building type "residential building"	Real
gtyp_2_abs	Number of building type "mixed building"	Long Integer
gtyp_2_rel	Percentage of building type "mixed building"	Real
gtyp_3_abs	Number of building type "commercial building"	Long Integer
gtyp_3_rel	Percentage of building type "commercial building"	Real

3.4 Module: Purchasing Power

Field name	Description	Data type
INSPIRE_ID	INSPIRE grid cell ID	String
geb_abs	Number of buildings	Long Integer
hh_abs	Number of households	Long Integer
pers_abs	Number of inhabitants	Long Integer
kkk_dom	Dominating purchasing power group	Long Integer
kkk_mean	Average purchasing power	Real
kkk_1_abs	Number of households with the highest purchasing power	Long Integer
kkk_1_rel	Percentage of households with the highest purchasing power	Real
kkk_2_abs	Number of households with very high purchasing power	Long Integer
kkk_2_rel	Percentage of households with very high purchasing power	Real
kkk_3_abs	Number of households with high purchasing power	Long Integer

kkk_3_rel	Percentage of households with high purchasing power	Real
kkk_4_abs	Number of households with medium purchasing power	Long Integer
kkk_4_rel	Percentage of households with medium purchasing power	Real
kkk_5_abs	Number of households with low purchasing power	Long Integer
kkk_5_rel	Percentage of households with low purchasing power	Real
kkk_6_abs	Number of households with very low purchasing power	Long Integer
kkk_6_rel	Percentage of households with very low purchasing power	Real
hhtyp_dom	Dominating household type	Long Integer
sg_hh_abs	Number of single households	Long Integer
sg_hh_rel	Percentage of single households	Real
mp_hh_abs	Number of multi-person households	Long Integer
mp_hh_rel	Percentage of multi-person households	Real