

IN-DEPTH INFORMATION BOX 01 - Urban Sustainable Mobility Planning in the 259 Italian Municipalities of the ITA-SLO Programme Area: state of the art and implementation level.
(by PP2 - UNIVE)

- Mapping and analyzing the State of the Art: targeted objectives and survey design

The overarching targeted objective of the research analysis implemented by Cà Foscari University of Venice - Department of Management (PP2) - in the framework of WP3.2 of the CROSSMOBY project - it has been to obtain the most detailed, in-depth and updated picture as possible concerning the state of the art of sustainable urban mobility planning throughout the whole Italian territory of the Interreg ITA-SLO Programme Area (Autonomous Region Friuli Venezia Giulia and Metropolitan City of Venice). This has meant the design, modelling and implementation of a wide survey conducted by means of a research questionnaire addressed/delivered to all the 259 municipalities included in the reference area (215 FVG municipalities (see T1, T3) and 44 municipalities of the former Province of Venice (see T2, T4), now reconfigured as the Metropolitan City of Venice district) (IR Law 56 of April 7, 2014).

Friuli Venezia Giulia Autonomous Region		Metropolitan City of Venice	
Total Municipalities	215	Total Municipalities	44
Total Inhabitants	1,215,220	Total Inhabitants	853,338
Surface Area (sq. Km)	7,924.17	Surface Area (sq. Km)	2,472.91
Population density per sq. Km	153.4	Population density per sq. Km	345.07
Source: Processing on Ancitel/ISTAT 2019 - web source: www.comuniverso.it		Source: Processing on Ancitel/ISTAT 2019 - web source: www.comuniverso.it	
Table 1		Table 2	

Friuli Venezia Giulia Region	TRIESTE (NUTS 3)		UDINE (NUTS 3)		GORIZIA (NUTS 3)		PORDENONE (NUTS 3)		FVG Region (Totals & %)			
	Tot. Municip.	Tot. Inhab.	Tot. Municip.	Tot. Inhab.	Tot. Municip.	Tot. Inhab.	Tot. Municip.	Tot. Inhab.	Total Municip.	% Municip.	Tot inhab.	% tot. Inhab.
Population Classes by Municipalities (No. Inhabitants)												
0 – 1,999	1	865	56	52592	12	15548	20	19027	89	41,4%	88032	7,2%
2,000 – 4,999	1	2068	48	139738	5	13829	10	34093	64	29,8%	189728	15,6%
5,000 – 9,999	2	14231	22	146607	5	35309	10	75533	39	18,1%	271680	22,4%
10,000 – 19,999	1	13062	7	90477	1	11928	9	132513	18	8,4%	247980	20,4%
20,000 – 59,999	0	0	0	0	2	62789	1	51367	3	1,4%	114156	9,4%
60,000 – 249,999	1	204267	1	99377	0	0	0	0	2	0,9%	303644	25,0%
> 250,000	0	0	0	0	0	0	0	0	0	0,0%	0	0,0%
Total	6	234493	134	528791	25	139403	50	312533	215	100,0%	1215220	100,0%

Source: Processing on Ancitel/ISTAT 2019 - web source: www.comunivero.it

Table 4

Metropolitan City of Venice (NUTS3)					
Population Classes By Municipalities (No. Inhabitants)	Tot. Municip.	Tot. Inhab. (by classes)		% (Municip.)	% (Inhab.)
0 – 1,999	0	0		0,0%	0,0%
2,000 – 4,999	8	28749		18,2%	3,4%
5,000 – 9,999	9	64137		20,5%	7,5%
10,000 – 19,999	18	242044		40,9%	28,4%
20,000 – 59,999	8	257888		18,2%	30,2%
60,000 – 249,999	0	0		0,0%	0,0%
> 250,000	1	260520		2,2%	30,5%
Total	44	853338		100,0%	100,0%

Source: Processing on Ancitel/ISTAT 2019 - web source: www.comunivero.it

Table 5

- Methodology

The relevant differences between FVG Region and MCV district (and within each one of them) in terms of surface, % Municipality classes, urban, peri-urban and rural concentration of the population, % density, entail crucial challenges for transport and mobility planning, at urban,

regional and cross-border level. Even more this territorial heterogeneity has been forced the survey execution methodology to be accurate and to go in depth in terms of data collection, questionnaire design and testing (on-line and offline version, interviews), identification of targeted respondents, design and setting of database models (both for the statistical population and the survey data results), implementation of several rounds of the questionnaire distribution and phone re-call of the recipients, sample determination. Furthermore, at the end of first round main questionnaire distribution, related phone re-call campaign and data collection - the research team has been designed and distributed an additional questionnaire focused on Cross-border mobility and transport issues to a specific and representative sample of respondents within the whole statistical population: all the 25 municipalities located on Italian side (FVG Region) of the border with Slovenian Republic, whose key outcomes are reported in the Information Box 10. The main questionnaire consisting of 4 thematic macro-groups of questions within a total of 72. Before the official distribution were conducted 5 face-to-face/virtual interviews within a specific sample of municipalities (Tarvisio - Chiusaforte - Udine - Trieste - Portogruaro) in order to test the effectiveness/validation of the tool.

- ***Main achieved results: processing the collected data and in-depth analysis***

More than 600 contacts of mobility and transport technicians, senior officers and local administrators (mayors and deputy mayors) of the municipalities have been selected and collected. On Dec. 7, 2020 it has been officially concluded the questionnaires collection (Urban Mobility SoA main questionnaire + the Cross-border mobility additional one) within the 259 total municipalities. The capillary work carried out - in spite of a time extension forced by the COVID-19 pandemic emergency – it has been produced excellent results. **A total amount of 160 questionnaires were filled in out of in 259 municipalities, equal to 61.78% of the whole statistic population of the ITA-SLO Programme Area, with the following territorial response percentages:**

- **Autonomous Region Friuli-Venezia-Giulia:** 127 questionnaires received out of 215 municipalities, equal to **59.7%** territorial coverage;
- **Metropolitan City of Venice district:** 33 questionnaires received out of 44 municipalities equal to **75%** territorial coverage;

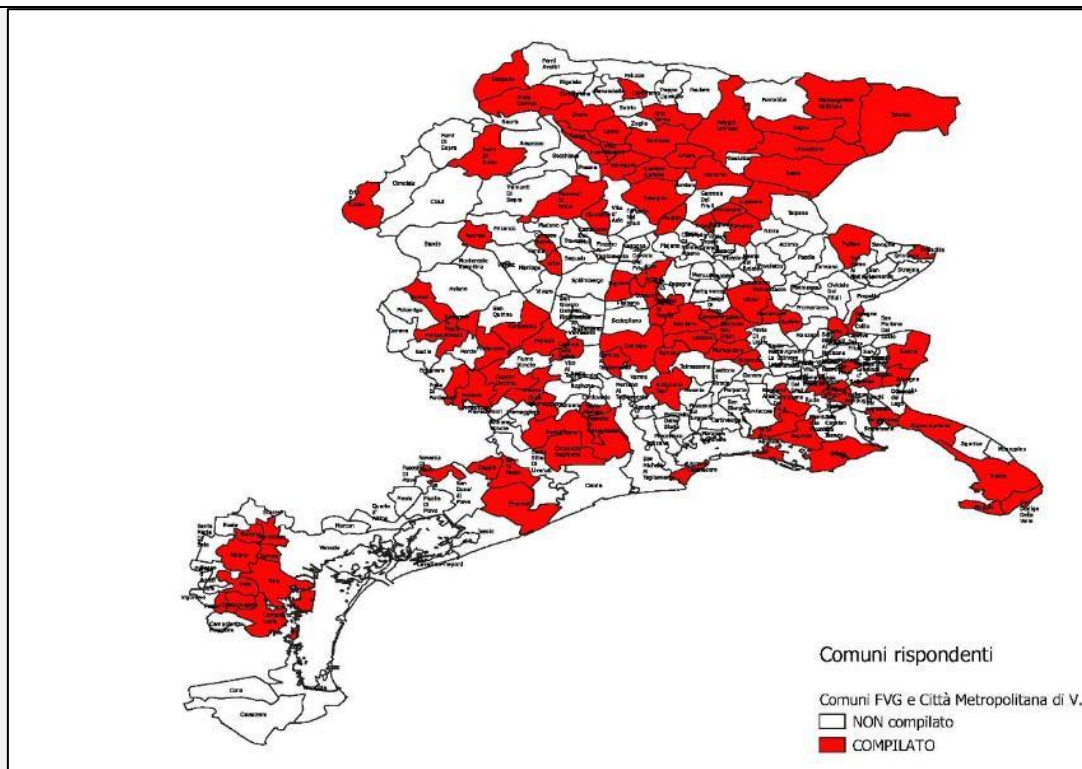


Fig. 1 (Dec 4, 2020)

The relevant number of respondents within the wide survey made it possible to create a really accurate database, with an excellent level of detail for the related analysis. In the following representations (**Fig. 3 - 4**) some of the main processed data and analysis of the results concerning urban sustainable mobility planning state of the art and on the related focus concerning cross border mobility.

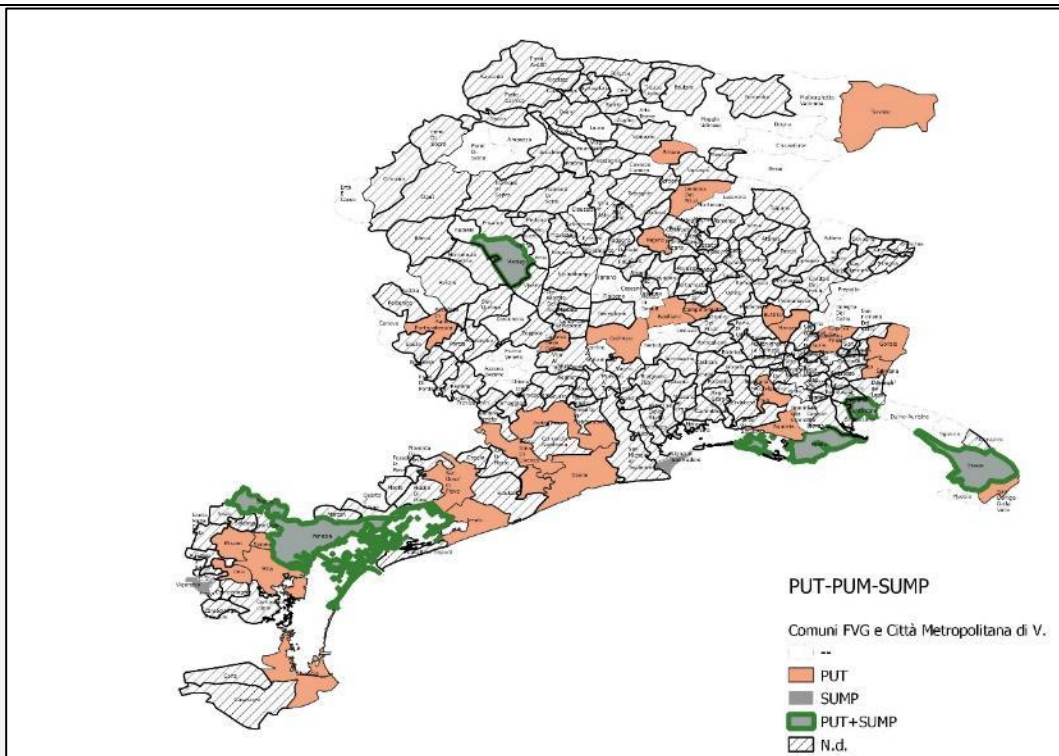


Fig. 2 (Dec 4, 2020)

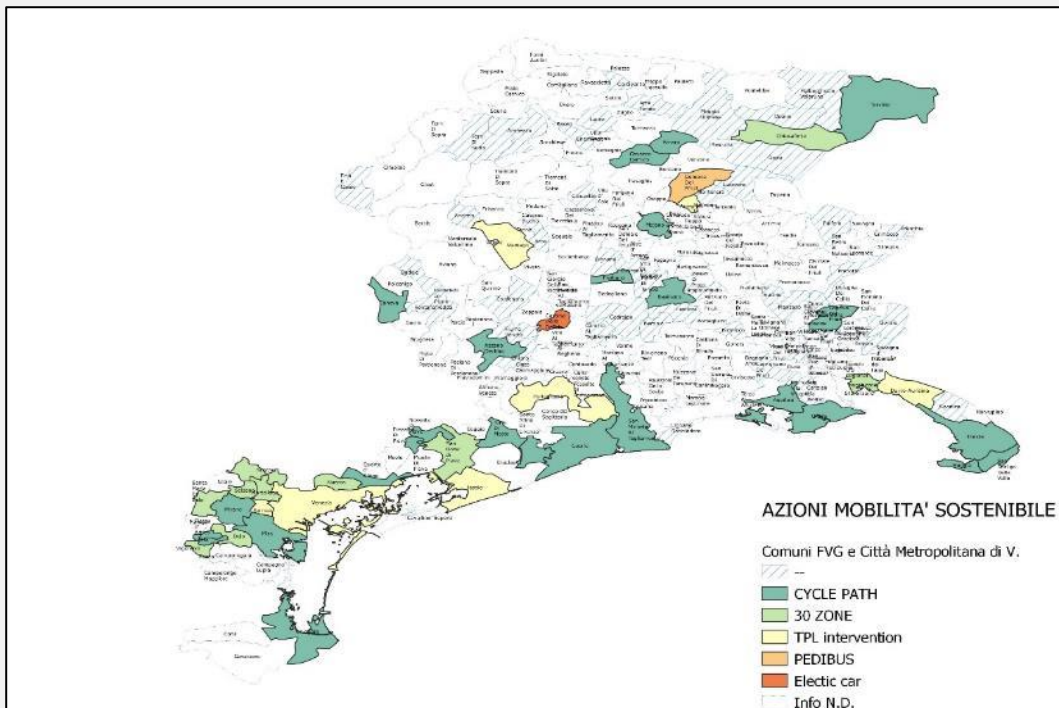


Fig. 3 (Dec 4, 2020)

IN-DEPTH INFORMATION BOX 10 - Perception of traffic in the cross-border municipalities on the Italian side (by PP2 - UNIVE)

- Mapping and analyzing the State of the Art: targeted objectives and survey design

Within the research analysis implemented by Cà Foscari University of Venice - Department of Management (PP2) in the framework of WP3.2 of the CROSSMOBY project – already presented in the INFORMATION BOX 03 - an additional questionnaire focused on Cross-border mobility and transport issues to a specific and representative sample of respondents within the whole statistical population: all the 25 municipalities located on Italian side (FVG Region) of the border with Slovenian Republic.

The additional survey focused on cross border mobility it has been also produced an excellent level of respondents with **16 additional questionnaires** completed and received out of 25 municipalities, equal to **64%** territorial coverage.

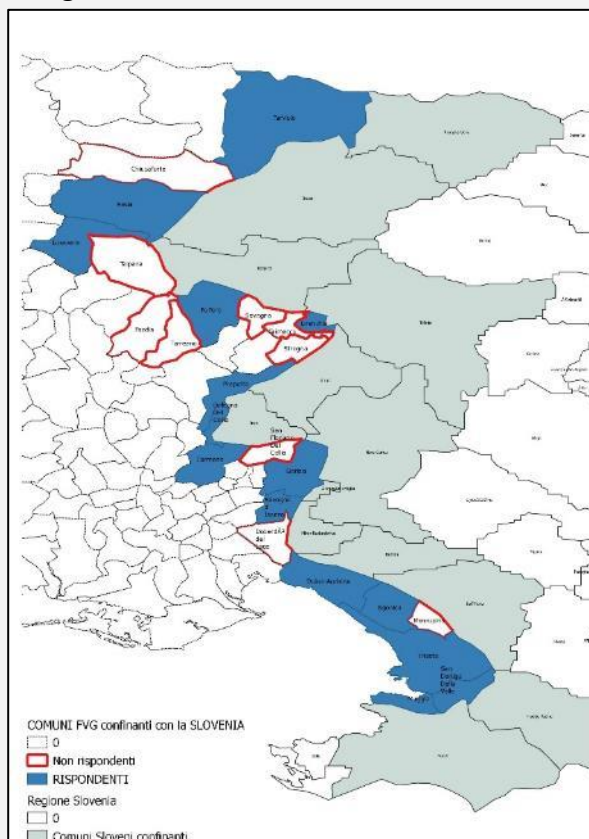
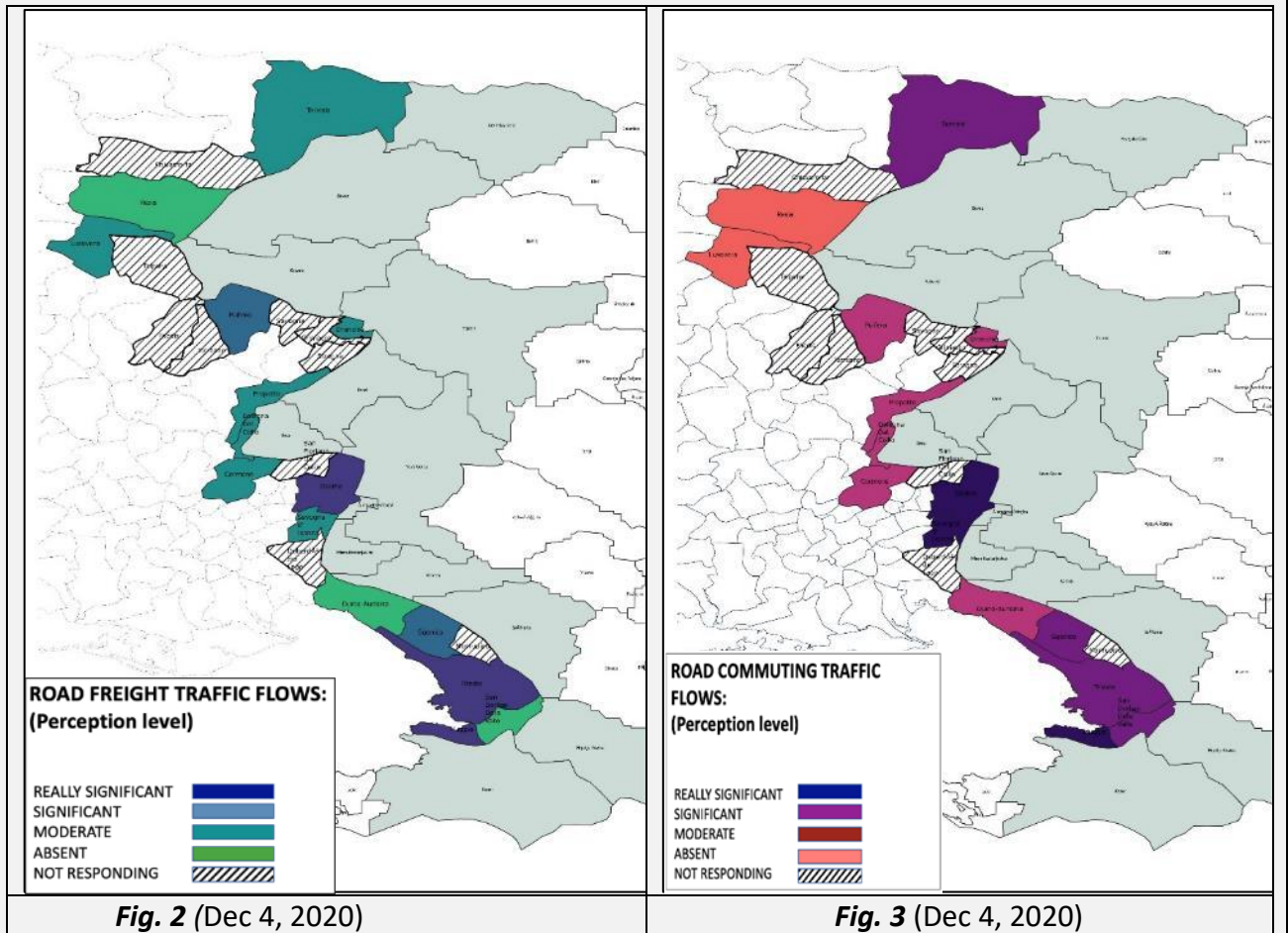


Fig. 1 (Dec 4, 2020)

Among other things, they have allowed to ascertain the perception of the road traffic level with specific reference to both freight and commuters flows.



For any further information on the survey "the state of the art of sustainable mobility planning", please contact the following e-mail address: sustainability.management@unive.it