

EUROPEAN TRANSPORT CONFERENCE 2017

Barcelona, Thursday 5 October 2017

Effectiveness of transport social fares and special transport services in the Barcelona metropolitan area

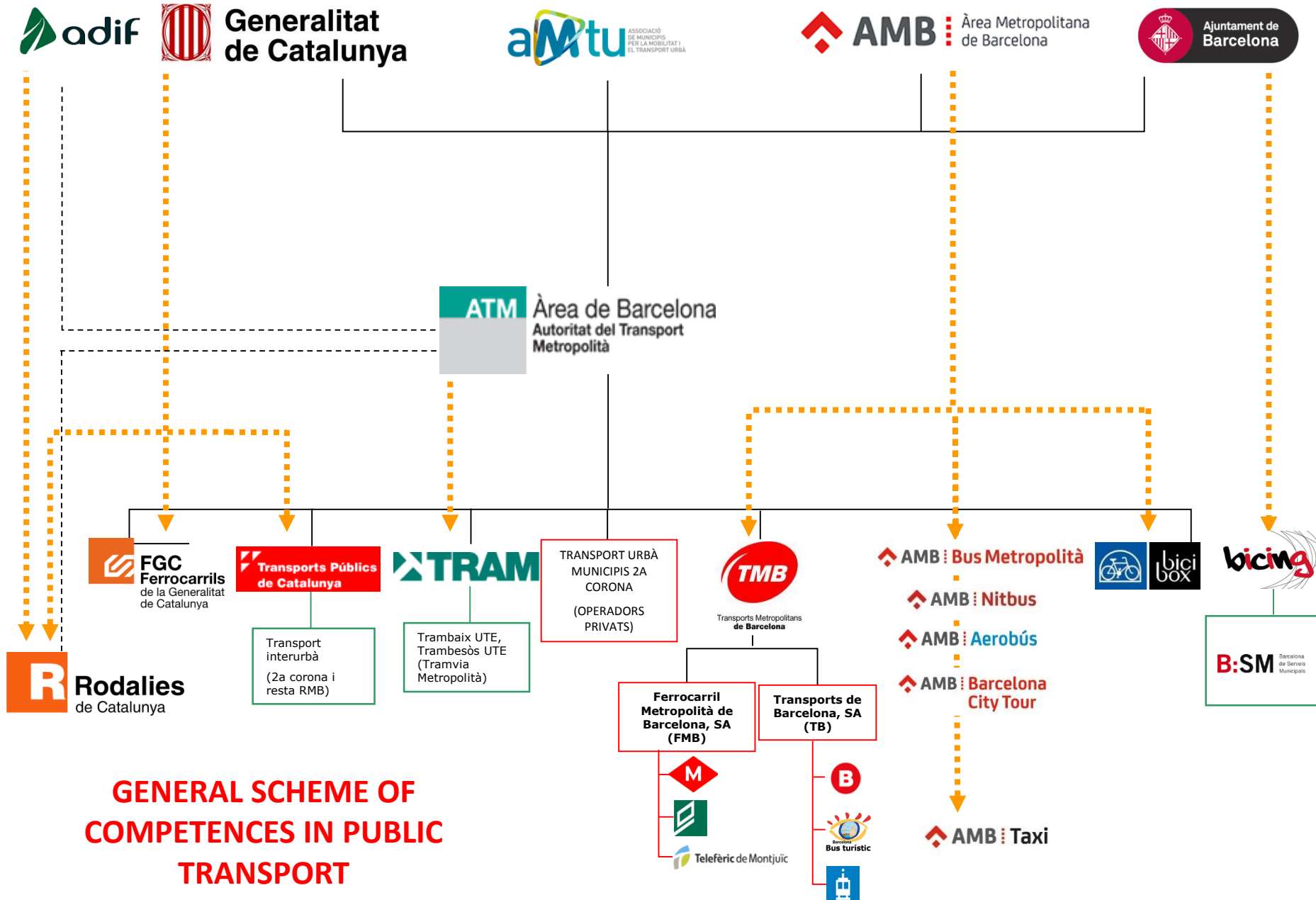
Maite Perez-Perez, Nuria Perez-Sans

Barcelona Institute of Regional and Metropolitan Studies (IERMB), Cerdanyola del
Vallès, Spain

OVERVIEW

- 1. Introduction and Background**
- 2. Main objectives**
- 3. Methods**
- 4. Some results**
- 5. Challenges and improvements**

1. INTRODUCTION AND BACKGROUND



1. INTRODUCTION AND BACKGROUND

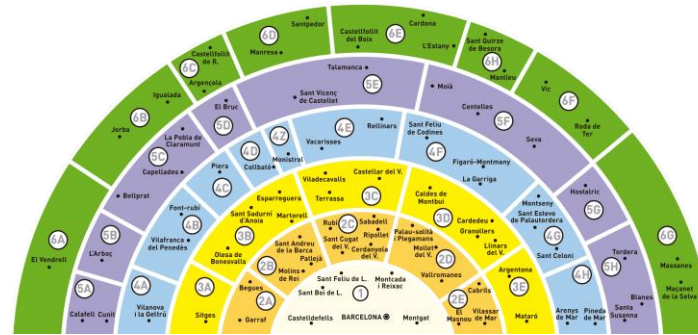
GENERAL SCHEME OF COMPETENCES IN SOCIAL FARES IN PT



Generalitat
de Catalunya



Àrea de Barcelona
Autoritat del Transport
Metropolità

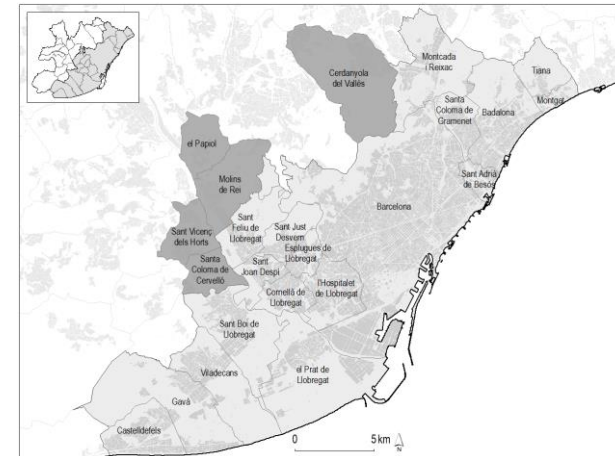


296
municipalities



Àrea Metropolitana
de Barcelona

18 (23)
municipalities



MUNICIPALITIES

1. INTRODUCTION AND BACKGROUND

OLDER
PEOPLE

- Age
- Family income

YOUNG
PEOPLE
(<25)

CHILDREN
(<16)

COLLECTIVES TO WHOM THE SOCIAL
POLICIES ARE ADDRESSED

LARGE AND
SINGLE-PARENT
FAMILIES

PEOPLE WITH
DISABILITY

- % of disability
- Family income

UNEMPLOYED

- % of disability
- Family income

1. INTRODUCTION AND BACKGROUND

TYPES OF SOCIAL FARES IN PUBLIC TRANSPORT

1) Large and single-parents families

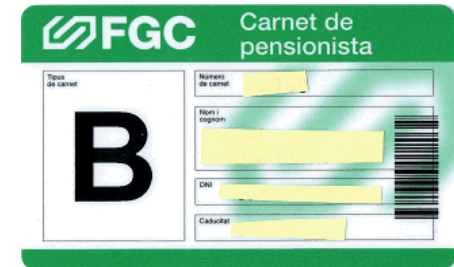
% Discounts established depending type of families (general -20%- and special categories -50%-)

2) Older people and people with disabilities: specific cards that allow obtaining specific transport tickets. Differences between fare zone 1 and others.



PASSI DE PENSIONISTA

Residents in Zone 1: Travel for free in Fare zone 1 in all network except Rodalies; and discount of 75% in FGC, in the rest of Integrated Fare System
Residents in other zones: 75% discount



T-PENSIONISTA

Residents in Zone 1: Travel with reduced fare in Zone 1 in all the network except Rodalies; and discount of 50% in FGC, in the rest of Integrated Fare System
Residents in other zones: 50% discount

1. INTRODUCTION AND BACKGROUND

TYPES OF SOCIAL FARES IN PUBLIC TRANSPORT



1) Large and single-parents families

% Discounts established depending type of families (general -20%- and special categories -50%-)

2) Older people, people with disabilities: specific card that allow obtaining discounts in different transport tickets.



40% Single ticket and return ticket:

Rodalies i Regionals

40% long-distance services (mo-thu) and

25% long-distance services (fri-su)

1. INTRODUCTION AND BACKGROUND

TYPES OF SOCIAL FARES IN PUBLIC TRANSPORT

1) Children <16



2) Young people



3) Large and single-parent families



4) Unemployed



1. INTRODUCTION AND BACKGROUND

TYPES OF SOCIAL FARES IN PUBLIC TRANSPORT

- 1) Older people
- 2) People with disabilities



1. INTRODUCTION AND BACKGROUND

TYPES OF SOCIAL FARES IN PUBLIC TRANSPORT



	MUNICIPALITY OF RESIDENCE	MINIMUM AGE	DISABILITY GRADE (%)	MAXIMUM INCOME				
				FREE	REDUCED	IPREM	FREE	REDUCED
1ST FARE RING	BADALONA	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	BARCELONA	60	33	-	-	532,51	8.132,00 €	16.264,00 €
	CASTELLDEFELS	60	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	CORNELLÀ DE LLOBREGAT	60	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	EL PRAT DE LLOBREGAT	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	ESPLUGUES DE LLOBREGAT	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	GAVÀ	63	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	L' HOSPITALET DE LLOBREGAT	60	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	MONTCADA I REIXAC	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	MONTGAT	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT ADRIÀ DE BESÒS	60	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT BOI DE LLOBREGAT	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT FELIU DE LLOBREGAT	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT JOAN DESPÍ	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT JUST DESVERN	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANTA COLOMA DE GRAMENET	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	TIANA	62	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	VILADECANS	61	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
OTHER MUNICIPALITIES IN AMB	CERDANYOLA DEL VALLÈS	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	EL PAPIOL	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	MOLINS DE REI	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANT VICENÇ DELS HORTS	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €
	SANTA COLOMA DE CERVELLÓ	65	33	IPREM	2*IPREM	532,51	7.455,14 €	14.910,28 €

1. INTRODUCTION AND BACKGROUND

PUBLIC TRANSPORT DEMAND 2011-2016

	2011	2012	2013	2014	2015	2016
Multi-trips tickets (T-10, T-50/30, T-70/30)	59,86	57,52	54,99	52,32	51,49	48,84
Season tickets (T-Mes, T-Trimestre)	6,77	8	7,34	8,39	9,2	11,32
Social integrated tickets (T-16, T-Jove, T-FM/FN, unemployment rates)	3,23	5,77	8,74	10,41	11,41	12,36
Other integrated tickets	0,22	0,21	0,17	0,11	0,12	0,16
Social tickets AMB	13,5	13,67	14,04	14,06	13,61	13,07
Non integrated tickets	16,43	14,83	14,73	14,7	14,17	14,26
TOTAL SOCIAL TICKETS	16,73	19,44	22,78	24,47	25,02	25,43
TOTAL DEMAND	100	100	100	100	100	100
TOTAL DEMAND (abs)	935	900	900	916	939	955

1. MAIN OBJECTIVES

- To study the **characteristics and mobility patterns**, of the collectives to whom the social fares in public transport are addressed **based on the most recent data available**.
- To study the **usage and coverage of social fares** in the metropolitan area of Barcelona, within the last ten years.
- To identify **challenges and improvements** in the future strategies to promote a **more equitable public transport system**.

2. METHODS

SOURCES OF INFORMATION

Cross different types of data:

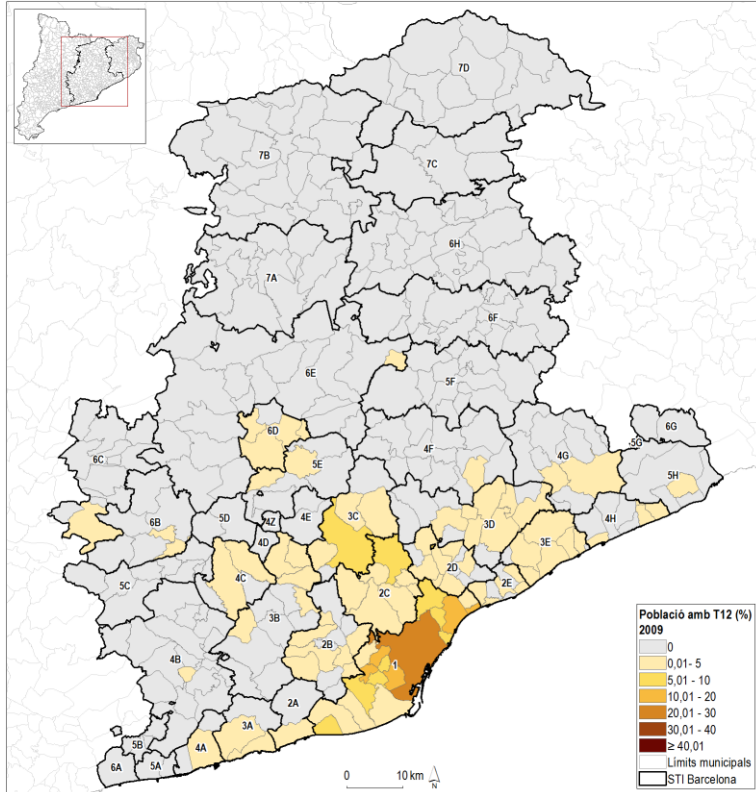
- Database of metropolitan mobility 2011/2013
- Database of AMB social fares beneficiaries and trips
- FGC, Rodalies and ATM social fares tickets' sales and trips
- Official statistics on people with disabilities and unemployed, large and single-parents families
- Income level
- Population census

3. SOME RESULTS

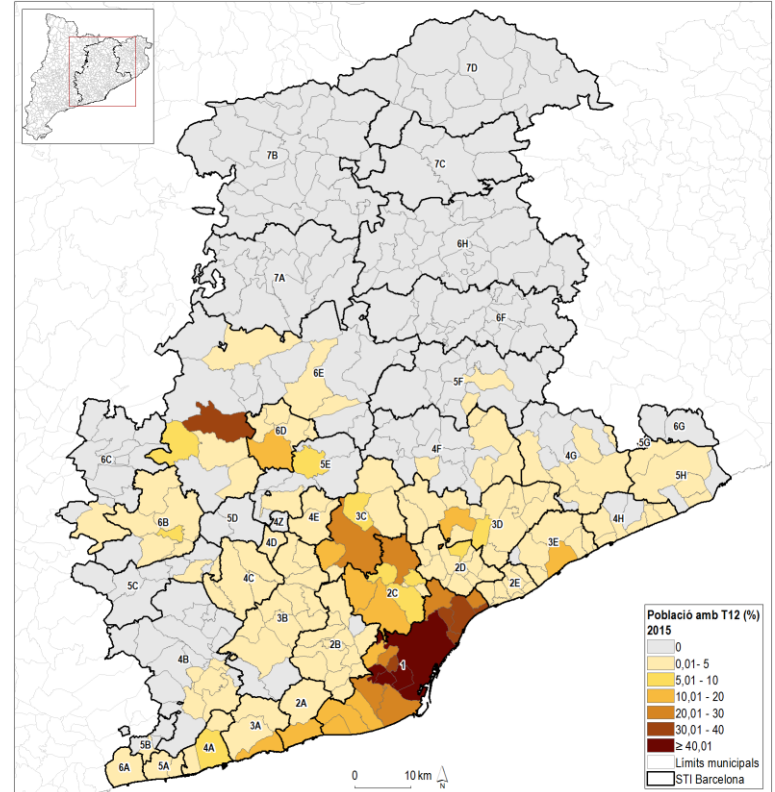
CHILDREN: T-16

- Coverage

2009



2015



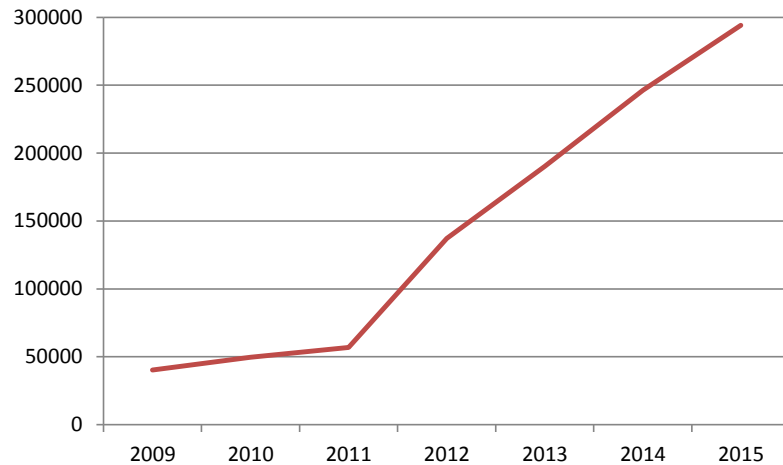
- Annual average use (trips/user)

	2010	2011	2012	2013	2014	2015
ANNUAL AVERAGE USE	185	171	164	171	165	158

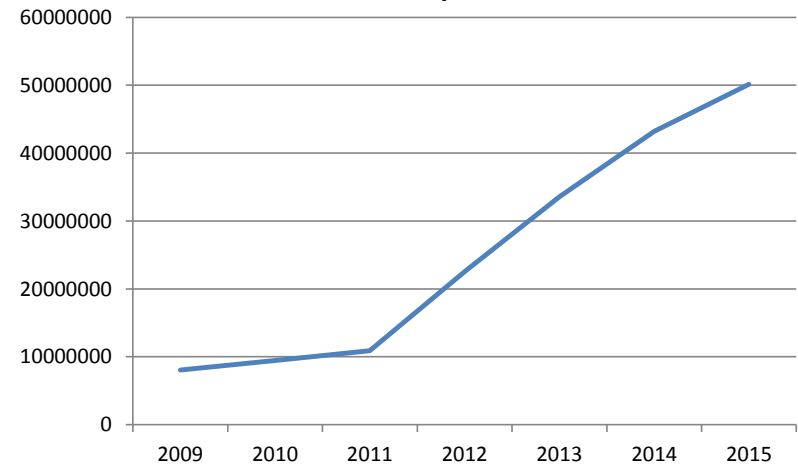
3. SOME RESULTS

YOUNG PEOPLE: T-JOVE

Sales



Trips

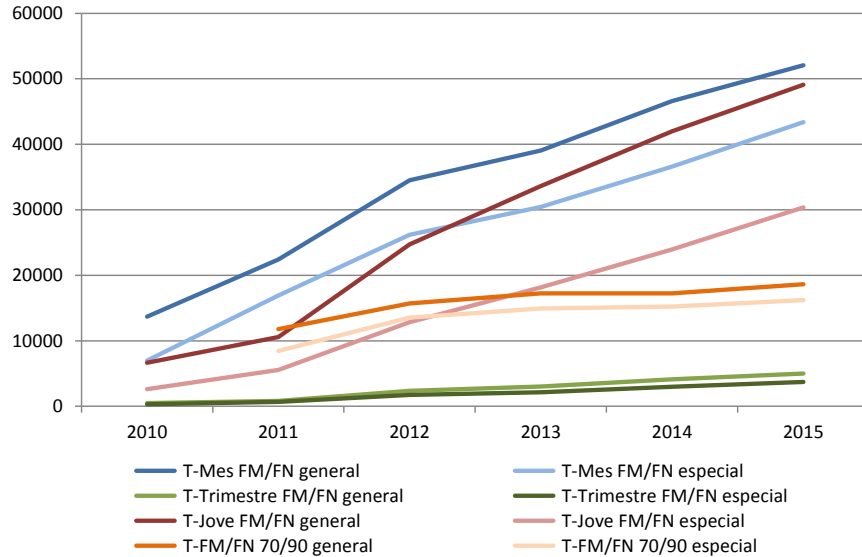


- No personal data of users: place of residence, age, sex
- Estimations:
 - Users: 73.500-294.000 people
 - Coverage: 11,7%-46,8%.

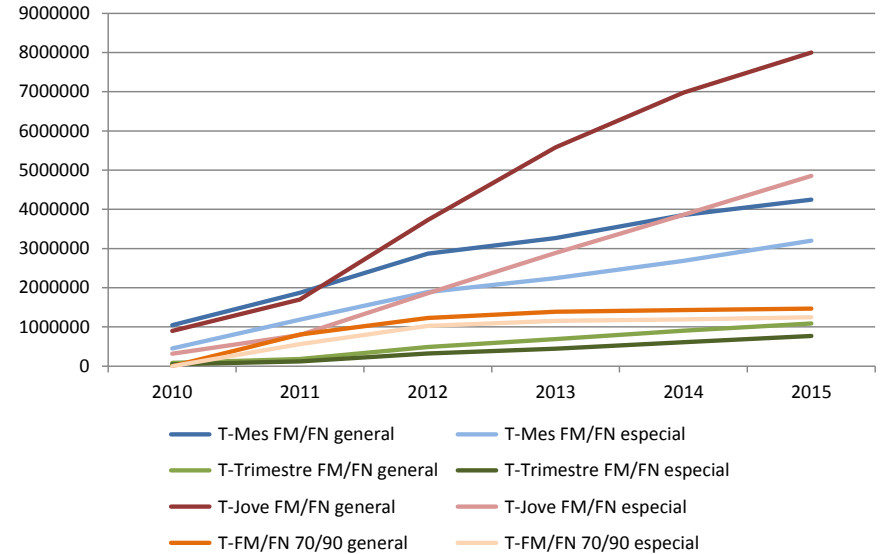
3. SOME RESULTS

LARGE AND SINGLE-PARENTS FAMILIES

Sales



Trips

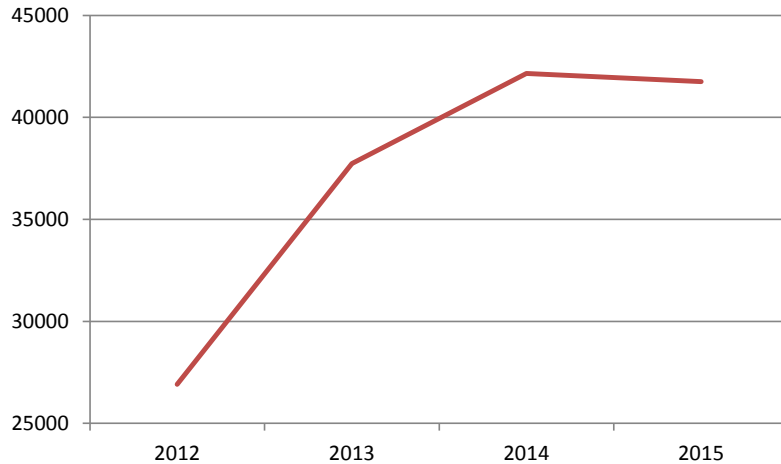


- No personal data of users: place of residence, age, sex
- No registration of family card's number when buying transport tickets

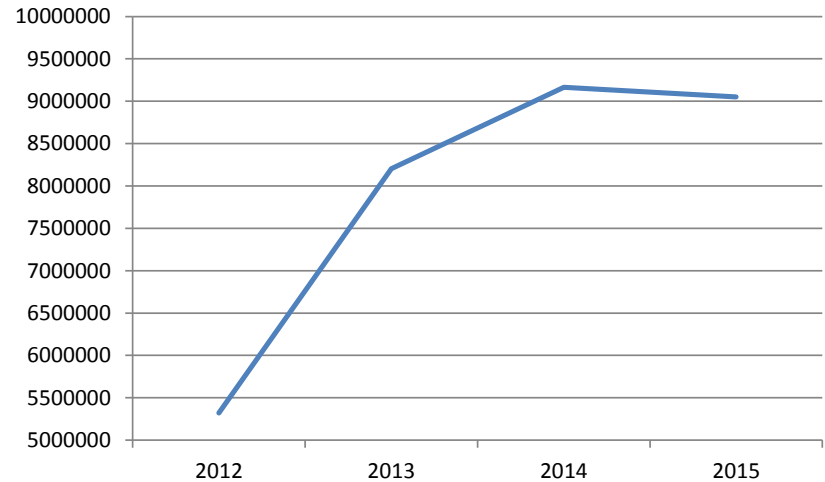
3. SOME RESULTS

UNEMPLOYED

Sales



Trips



- No personal data of users: place of residence, age, sex
- No registration of accreditation number or Identity Card when buying transport tickets

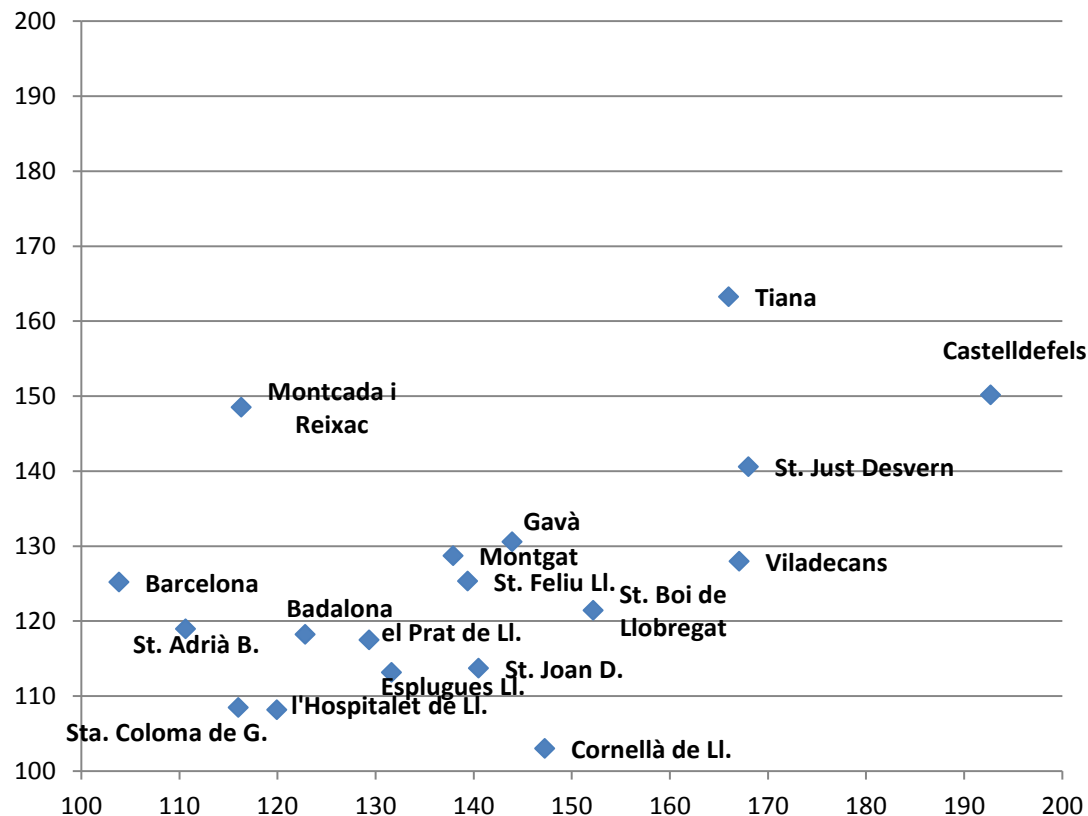
3. SOME RESULTS

OLDER PEOPLE AND PEOPLE WITH DISABILITIES: T-ROSA (free and reduced fare)

Changes in population per municipality: older people and people with disabilities. 2005 vs 2015 (Base 100=2005)

Creixement de la població potencial: gent gran i població amb discapacitat

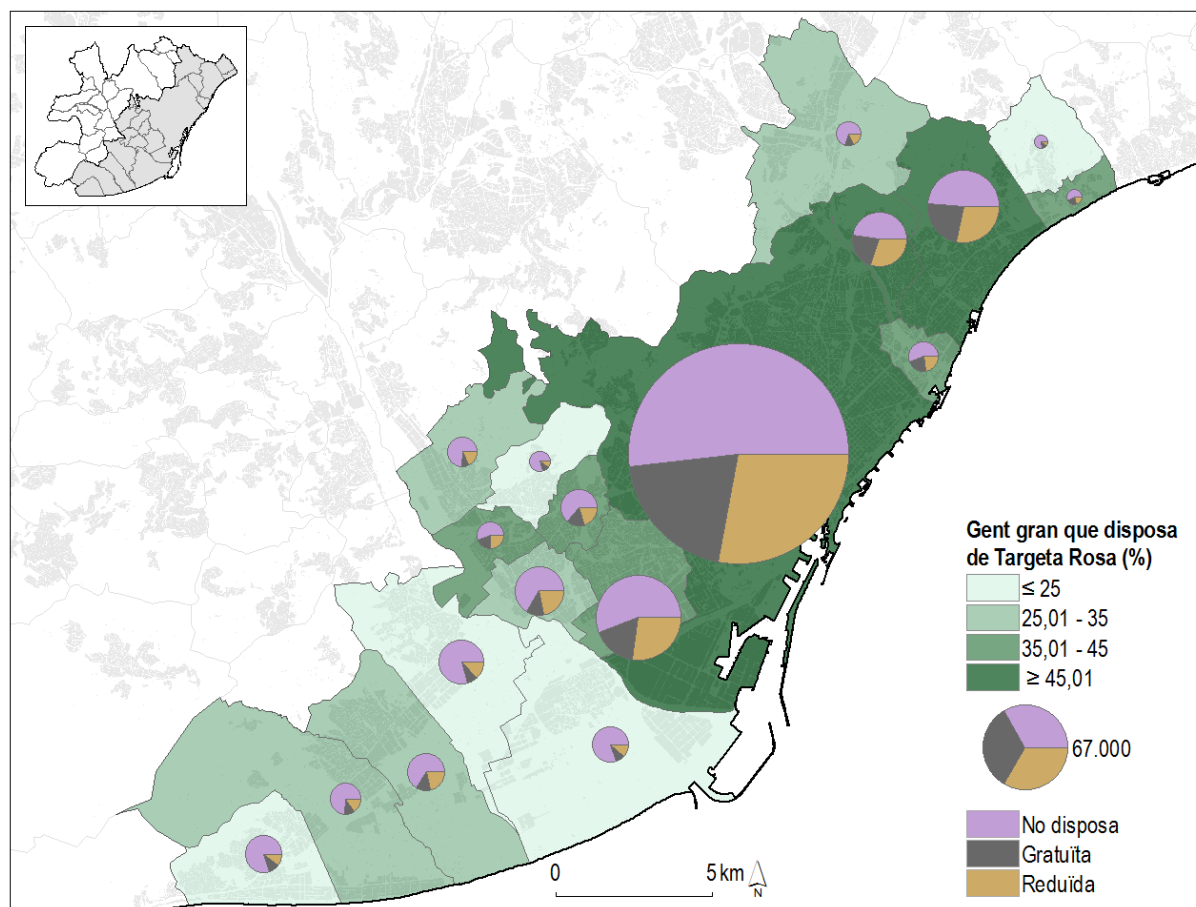
(X, Y)=(incr. gent gran, incr. pobl. discapacitat)



3. SOME RESULTS

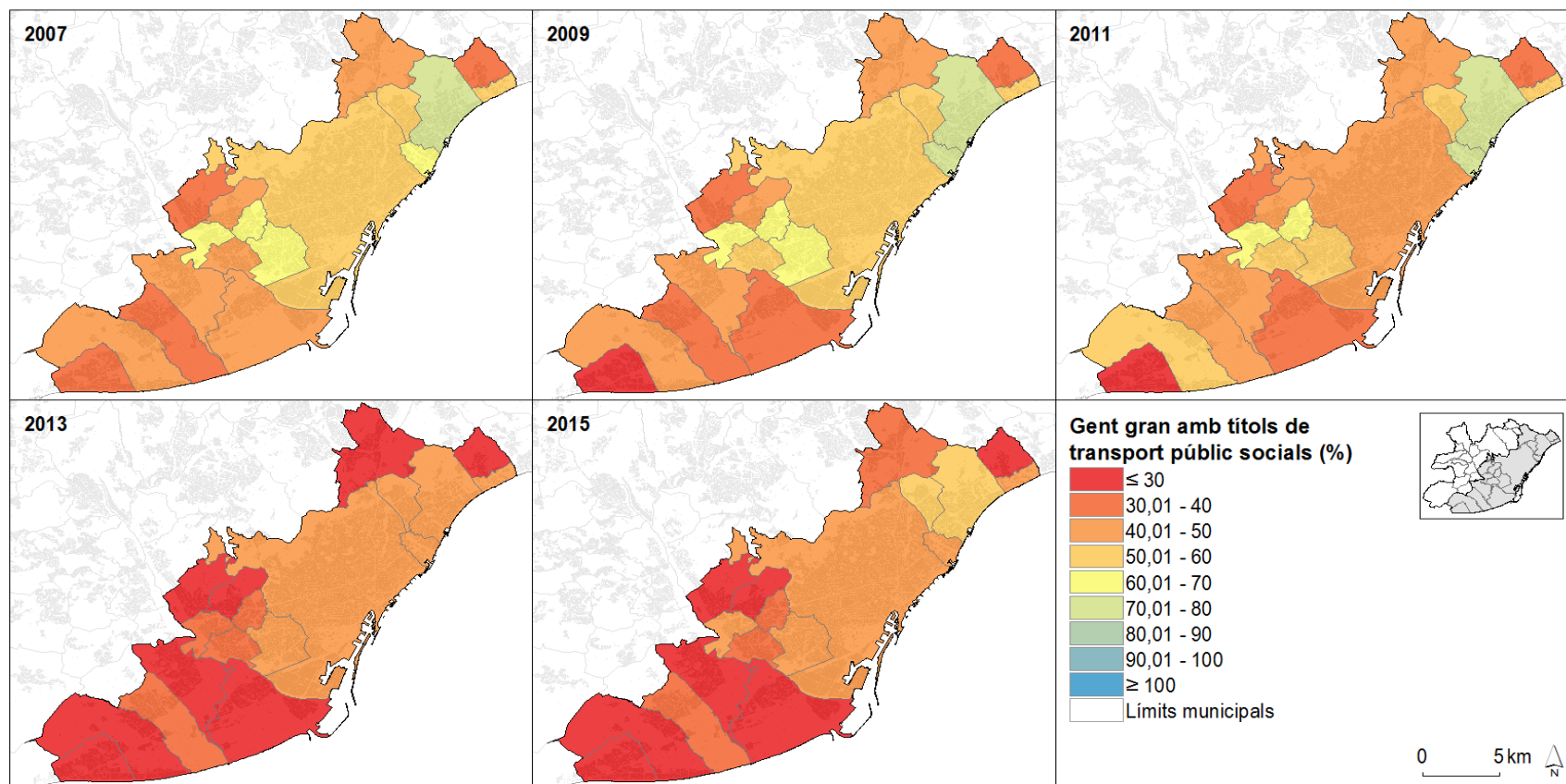
OLDER PEOPLE AND PEOPLE WITH DISABILITIES: T-ROSA (free and reduced fare)

Coverage of T-Rosa among old people, per municipality (%). 2015



3. SOME RESULTS

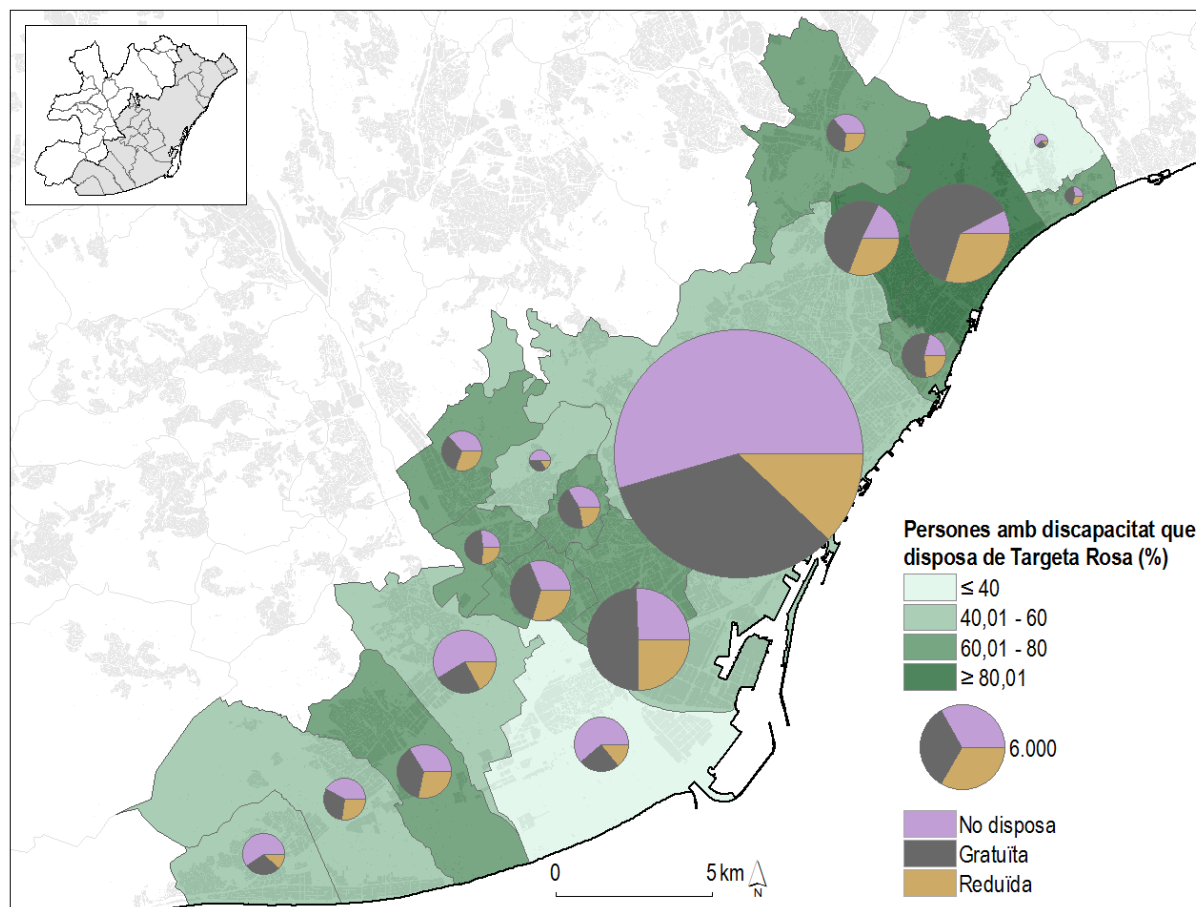
Coverage of T-Rosa among old people. 2007-2015



3. SOME RESULTS

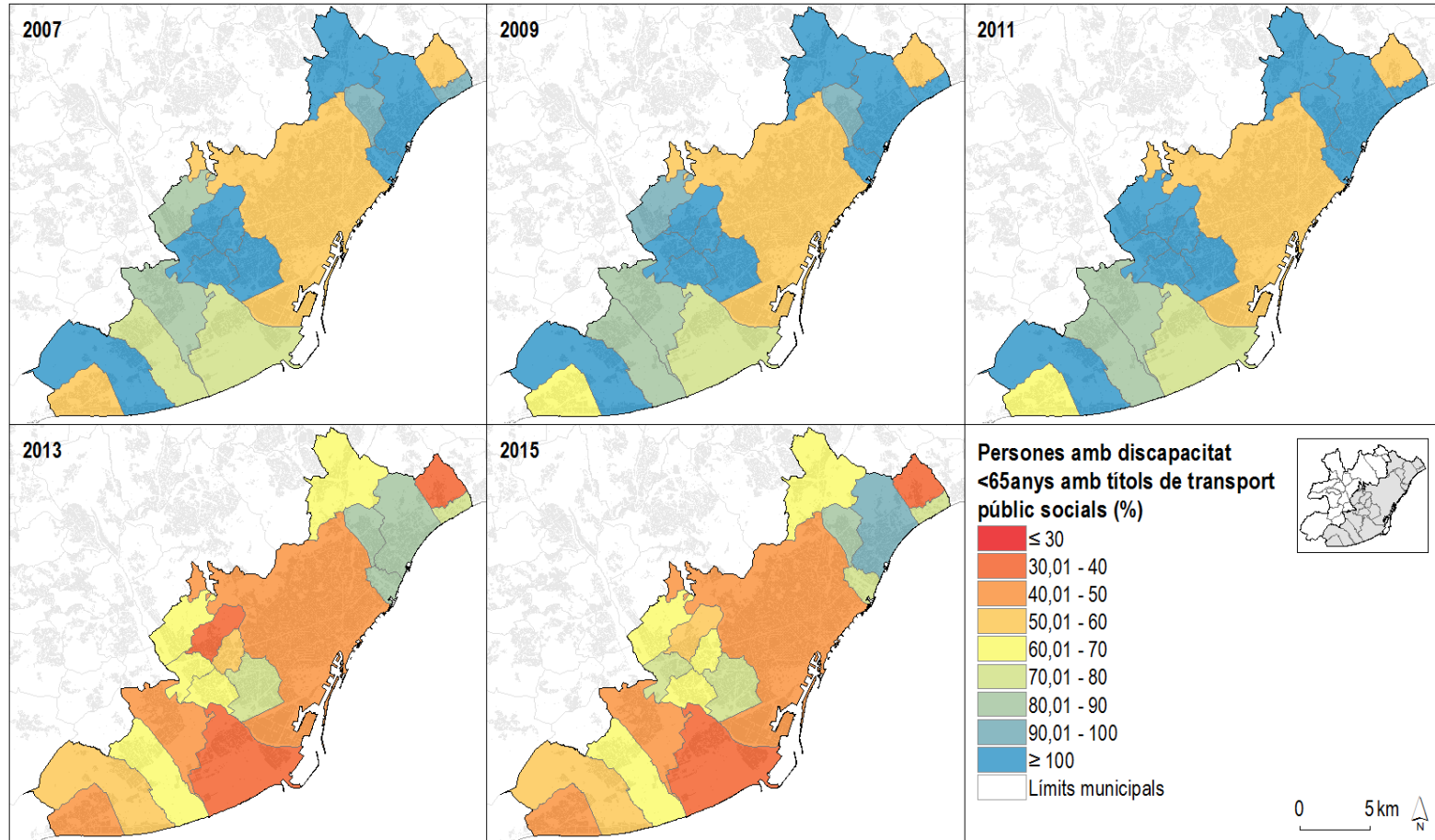
OLDER PEOPLE AND PEOPLE WITH DISABILITIES: T-ROSA (free and reduced fare)

Coverage of T-Rosa among disabled people, per municipality (%). 2015



3. SOME RESULTS

Coverage of T-Rosa among disabled people. 2007-2015



4. CHALLENGES AND IMPROVEMENTS

- **REQUIREMENTS FOR BEING BENEFICIARY**
 - How to consider income level? Identify other people with mobility needs that cannot afford PT fares
- **IDENTIFICATION AND REGISTRATION OF USER'S PERSONAL DATA**
 - No way in linking use with users: no possibility of evaluating the impact on the different collectives
 - T-Mobilitat: what to expect?
- **TERRITORIAL DIFFERENCES IN PT SOCIAL FARES AND TICKETS**
 - Among operators
 - Old and disable people:
 - AMB competences extended from 18 to 36 municipalities: extension of social fare tickets for old and disabled people.
 - Rest of STI territory

Effectiveness of transport social fares and special transport services in the Barcelona metropolitan area

Thank you very much for your attention!

maite.perez@uab.cat

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