Universitat Autònoma de Barcelona



8, 9, 10 March 2017



Speaker: MARIA ROSA RONZONI

For the **Net of Italian**

Universities MM

Topic: BEST PRACTICES IN

ITALIAN UNIVERSITIES



The conference is in the Framework of the European Project about sustainable Mobility: U-MOB LIFE.



LIFE project number LIFE15 GIC/ES/000056 This is funded by the European Union. It reflects o author's view and the agency is not responsible use that may be made of the information it contai





POLITECNICO DI MILANO





Mobility Management in Italian Universities: Regulatory Compliance and Mobility Best Practices

Results of a Preliminary Survey

Eleonora Perotto

Mobility Manager and Head of Sustainable Services, Politecnico di Milano

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Mobility Manager and Home-Work Transfer Plan (HWTP)

The Environmental Law n. 27/03/1998 establishes as follows for (private and State-owned) companies located in pollution areas and with more than 300 employees for local unit or with a total number of employees greater that 800 in different local units:

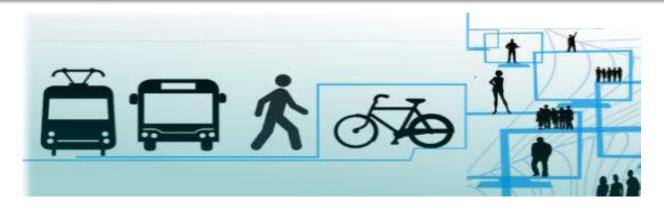
- Appoint a Company Mobility Manager
 - → TARGET: to develop a strategy for sustainable mobility and for reducing the use of private cars
- Adopt a <u>Home-Work Transfer Plan for its employees</u>
 - Target: to reduce the use of private cars and traffic congestion through a better organization of working hours
- > The Home-Work Transfer Plan must be sent to the local municipality every year
- The Home-Work Transfer Plan must be updated every year











The Home-Work Transfer Plan

- → Examines jobs arrangement, internal logistics and access to the job/study site with respect to transport services and connections viability
- → Identifies strategies bearing advantages to all stakeholders of mobility

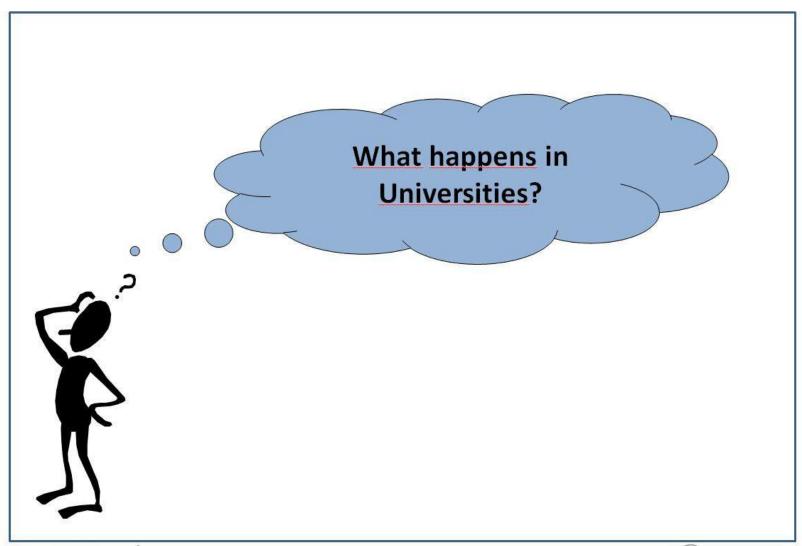
























Mobility Management in Italian Universities: Preliminary Survey

In 2016 <u>Sustainable</u> Services of the Politecnico di Milano <u>carried</u> out a <u>preliminary survey</u> in <u>accordance</u> with the <u>University Mobility Managers</u> National <u>Committee</u> (CNMMU), on <u>University Mobility Management activities</u>

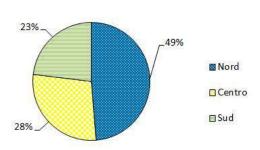


The questions to the Universities involved in the survey were as follows:

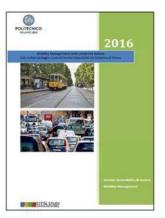
- Is there a Mobility Manager?
- Is there a Home-Work/Study Transfer Plan (HWTP)?
- In absence of a HWTP, has the University adopted specific actions of Mobility Management?

81 Italian Universities contacted: 39 responded (48%)

Location of responding Universities









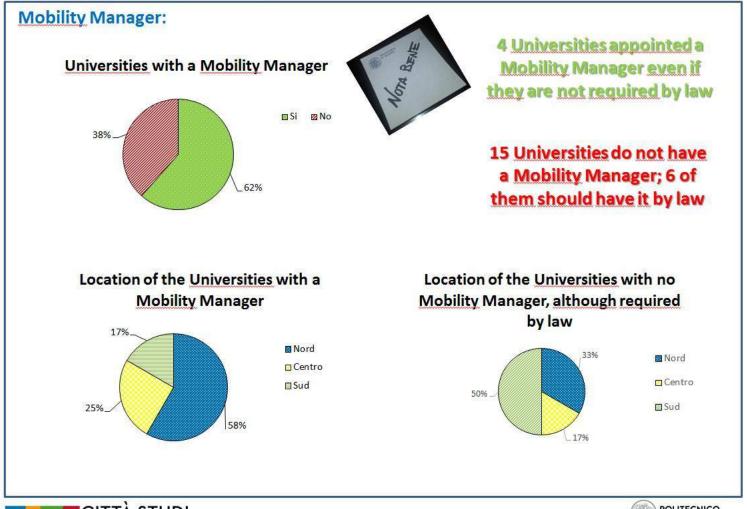








Preliminary Survey: Results (1)



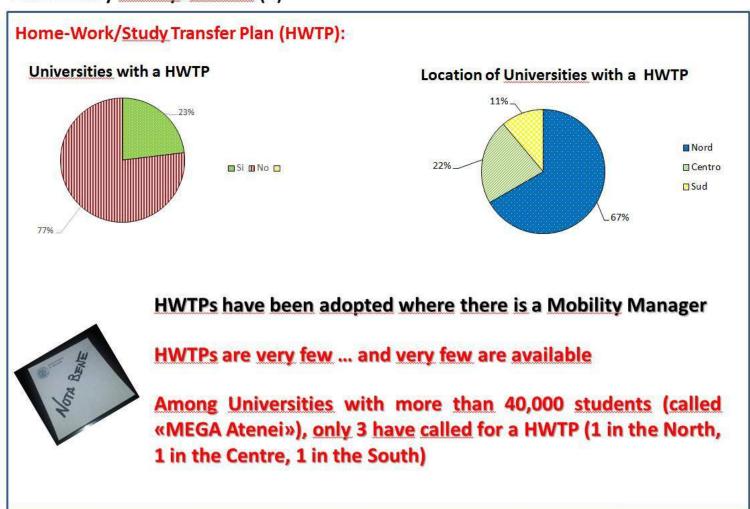








Preliminary Survey: Results (2)







POLITECNICO





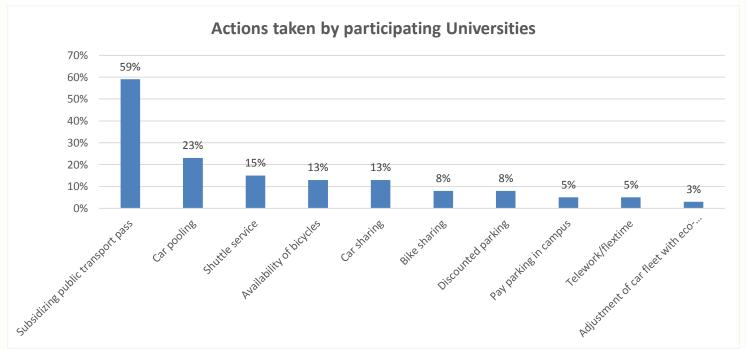


Preliminary Survey: Results (3)

Actions:

In Universities lacking a Mobility Manager, specific actions were taken to favour a more sustainable access to the campus by employees and students















Preliminary Survey: Results (4)

Conclusions:

- The Mobility Manager is quite a spread figure in the Italian University system;
- Few Universities adopt a HWTP;
- A lot of initiatives are taken despite the lack of a formal HWTP;
- Advertising campaigns and actions, often very creative and original, are carried out for sustainable transport
- There is ittle consideration for remote work and «lavoro agile»;
- Mobility Managers are required a specific training



About 50% of CRUI Universities are members of the Rete delle Università per la Sostenibilità – RUS -> Formalization of CNMMU as a «Tavolo Mobilità» is under way

About 10% of CRUI Universities are members of the International Sustainable Campus Network (ISCN), where sustainable mobility is a topic and a specific target of WG2: «Campus-wide planning and target setting»





















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UNIVERSITÁ DEGLI STUDI DI ROMA TRE

E- GO Car Sharing ENEL - ROMA TRE

- Started in April 2016:
 - five years project three stages:
 - first stage: service planning, infrastructural implementation, financial feasibility and demand analysis.
 - second stage: supervision of the starting phase and effective users response;
 - · third stage: opening of the service to a wider area of Rome
 - Designed as a "one way" car sharing:







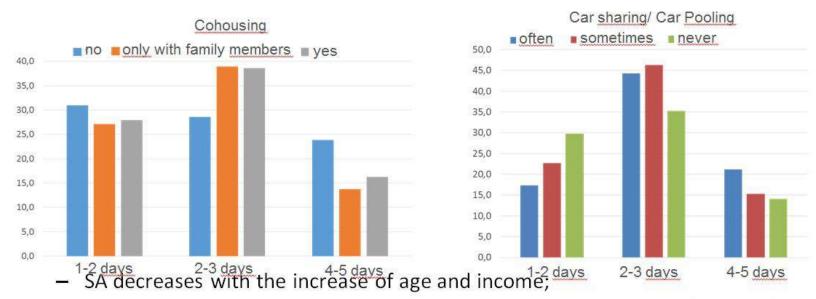
20 Renault Twizy 2 seats, life 60 Km 27 recharge st. in University 15 in the city near main attraction points/transit stations 10 Renault Zoe 4 seats, life 180 Km





Sharing attitude

Cohousing and car sharing – car pooling use:



- Males are slightly more opened to share goods and services than females from our sample (respectively 60% full sharing attitude and 47% full sharing attitude);
- Green Attitude and SA are positively correlated.







E- GO CAR SHARING NOW

- ☐ Pilot test: from mid-September 2016 to December 2016: □ 100 users resulted available from the ex-ante survey involved in using the service for free.
- ☐ From January 2017 the service is free floating:
 - ☐ the fee is 0,20 €/min (Twizy); 0,23 €/min (Zoe)
 - ☐ Students that end their trips in a recharge station gain free minutes benefit
 - counts for 400 members and the following Infrastructures:



20 Renault Twizy 2 seats, life 60 Km



27 racharge st. in Campus 100 in the city



10 Renault Zoe 4 seats, life 180 Km









Università di Pavia and Local public transport

AFFORDABLE TRANSPORTS

- Agreement with TPL LINE <u>SpA</u> and <u>Pavias</u> <u>Municipality</u> for a <u>student UNIPASS</u> Bus <u>at</u> a special rate
- The <u>University</u> funds <u>through students</u> contribution <u>about</u> 80% of the <u>expenses</u>. Students <u>only pay</u> a <u>yearly</u> pass <u>at the flat</u> rate of € 13,00



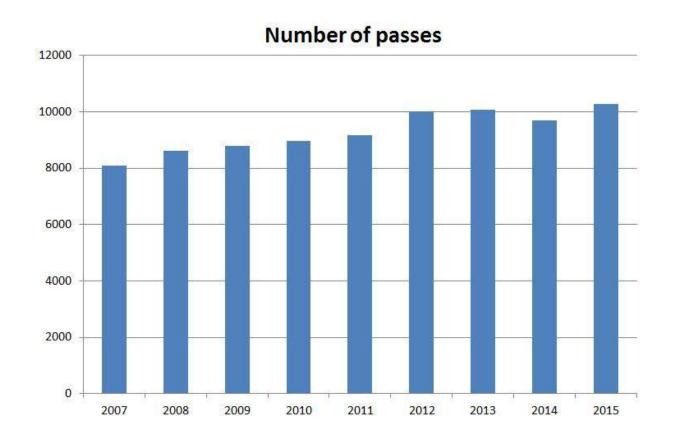








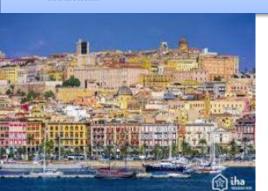
Data on UNIPASS Bus











UNIVERSITÁ DEGLI STUDI DI CAGLIARI

CITTADELLA MOBILITY STYLES

Where: Cittadella Universitaria and Policlinico Universitario di Monserrato (Cagliari) (~10.000 people)

Target: Drivers that could potentially become Metro users for their home-work/study transfer

 Advertising campaign to promote the use of the Metro to reach the Cittadella Universitaria (University Campus) Mapping of car transfers and delivery of a Personalized

Travelsplan assessing the benefits from Metro potential use





3. Comparison between before and after the delivery of the Personalized Travelsplan









Persuasive Technologies

IPET (Individual Personal Ecotravel Technology)

App developed by CRiMM to design personal travel solutions alternative to private car through the use of smartphones.

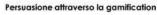




Mapping (through app and GPS) the homework/study transfer towards the Faculty of Engineering of a sample of students for 1 week.



Simulation of the sustainable alternative choice and delivery via app of the Personalized Travelsplan (PTP).





Mapping (through app) the home-work/study transfer towards the Faculty of Engineering of the sample students during 1 week after PTP





Playcar – Car Sharing in Cagliari



USE THE CAR, THEN FORGET ABOUT IT

Reduced rates for University students

PIANO
MENSILE MIN.12 MESI

€0.99/h

€0.30/km

ABBONAMENTO: STUDENT PASS
7.99€ MESE 7.99/MONTH

Il piano di Playcar per tutti gli studenti universitari! tariffe ultra vantaggiose e assoluta libertà di utilizzo!

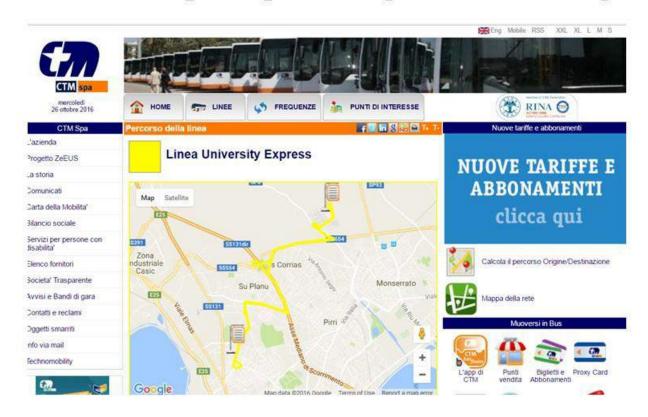
Un'opportunità imperdibile specialmente per gli studenti fuori sede!







University Express (CTM, 2015)



A new link between Cagliari CENTRE-Cittadella Universitaria









UNIVERSITÁ DEGLI STUDI DELLA CAMPANIA **LUIGI VANVITELLI**







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Num. bus	Veicolo	dal 15/0	9 al 15/12	dal 15/01 al 15/06		
		Mattino	Pomeriggio	Mattino	Pomeriggio	
1	Autobus urbano 1	Linea 1: Avers	sa Architettura	Linea 1: Aversa Architettura		
2	Autobus urbano 2	Linea 2: Aver	rsa Ingegneria	Linea 2: Aversa Ingegneria		
3	Autobus urbano 3	Linea 3: Aversa Ingegneria	Linea 4: Caserta matematica e fisica	Linea 3: Avers	a Ingegneria	
4	Autobus extraurbano 1	Linea F. Casanta	SMSW Comm	Linea 5: Caserta – SMCV - Capua		
5	Autobus extraurbano 2	Linea 5: Caserta	– SMCV - Capua			







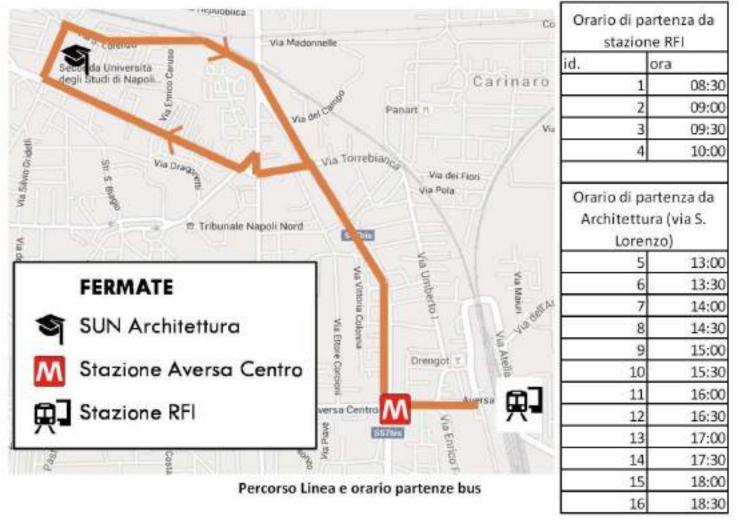
Linea	corse/giorno	km/giorno	€/giorno	giorni esercizio	km/anno	€/anno	€/2 anni
Linea 1: Aversa Architettura	16	88	194	150	13.200	29.040	58.080
Linea 2: Aversa Ingegneria annuale		80	176	150	12.000	26.400	52.800
Linea 3: Aversa Ingegneria dal 15/01–15/06		65	143	93	6.045	13.299	26.598
Linea 3: Aversa Ingegneria dal 15/09–15/12		20	44	57	1.140	2.508	5.016
Linea 4: Caserta matematica e fisica dal		75	166	57	4.298	9.455	18.910
15/09–15/12							
Linea 5: Caserta – SMCV - Capua		286	629	150	42.900	94.380	188.760
Totale		614	1.352	657	79.583	175.082	350.164







Linea 1: Aversa Architettura









Linea 2: Aversa Ingegneria



Percorso Linea e orario partenze bus

Orario di partenza da stazione RFI id. ora 08:30 09:00 09:30 10:00 Orario di partenza da Ingegneria (viale Michelangelo) 13:00 13:30 14:00 14:30 15:00 15:30 10 16:00 11

12

16:30









UNIVERSITÁ DEGLI STUDI DI BRESCIA

Purchase of 200 bicycles to give on a gratuitous loan to non resident students









UNIVERSITA' DEGLI STUDI DI BRESCIA

Build a bicycle maintenance shop and new bicycle parking

The BICYCLE MAINTENANCE SHOP is located in Via Branze, 38 close to the Faculty of Engineering



More bicycle and a new covered bicycle rack





