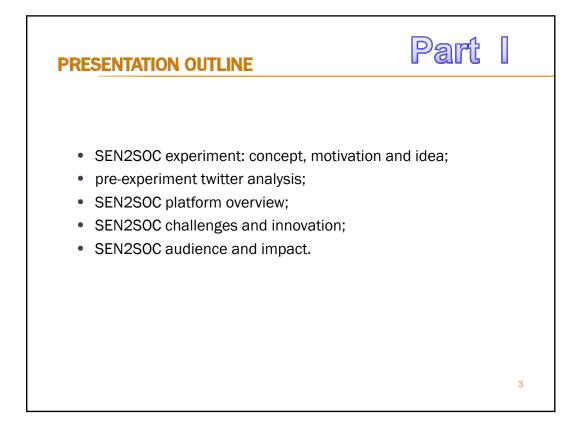


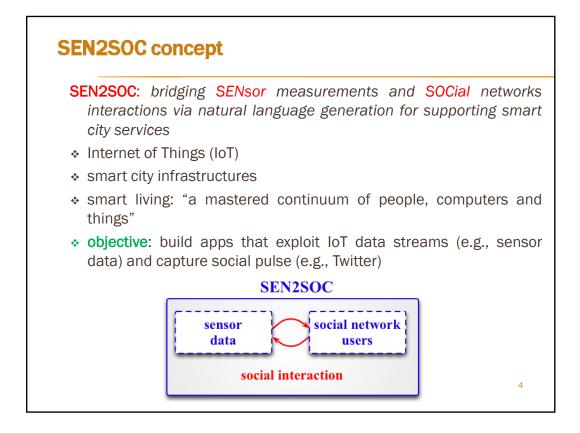
PRESENTATION ABSTRACT

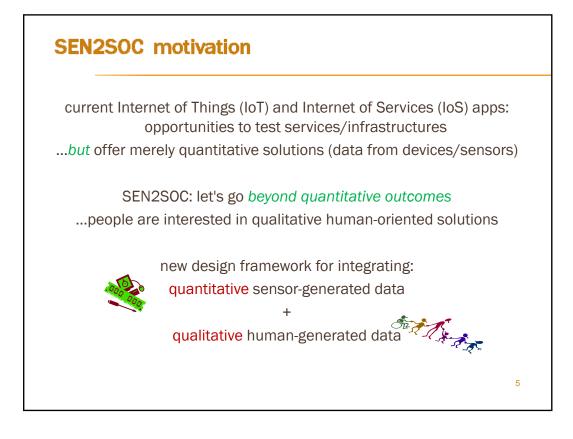
Smart city infrastructures provide unique opportunities for innovative applications developing and testing. Sensor city installations offer the ground for experimenting with user-oriented services, which at the same time can test and improve the infrastructure itself.

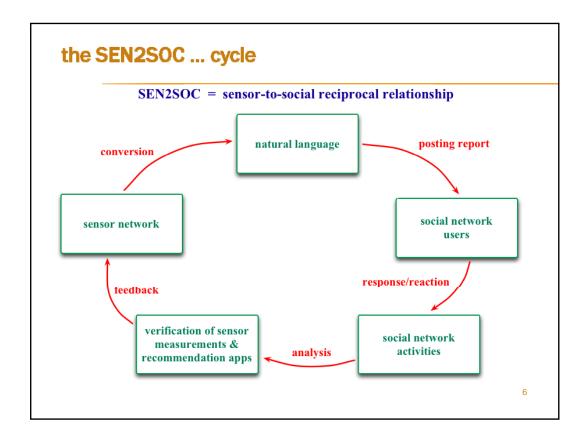
This lecture summarizes principles and methodologies for *bridging sensor measurements and social networks interactions*.

SEN2SOC experiment under the EU Smart Santander project (2nd call for experiments) infrastructure will be outlined and presented such that sensor to social reciprocities will be summarized. Social networks driven practices to communicate sensor measurements to the public (citizens, authorities, etc) will be highlighted. Future trends in the area will be discussed in the context of developing collective aware applications and services.









todays SMART cities...

sensor networks: accurate measurements of physical parameters and phenomena (impact on citizens' life)



1. identify phenomena

(traffic congestion or atmospheric pollution at a particular area/time period)

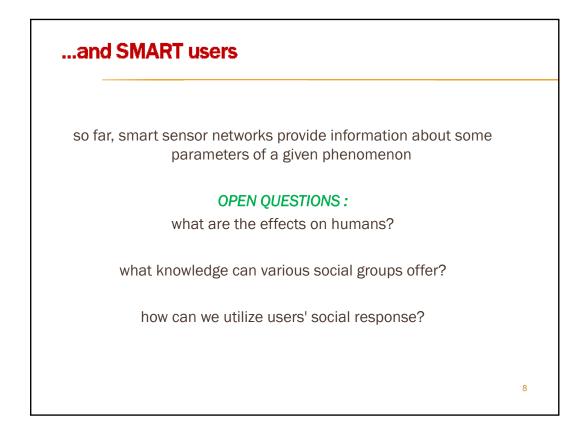
2. take short-term actions

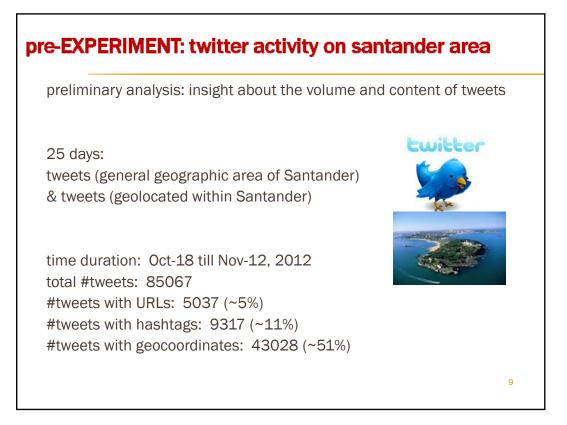
(inform/alert citizens and especially vulnerable social groups)

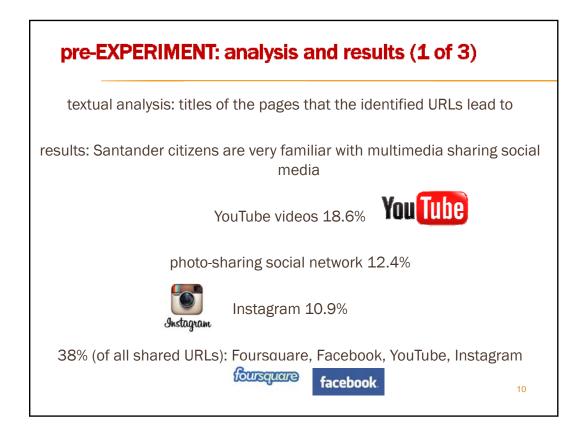
3. plan long-term actions

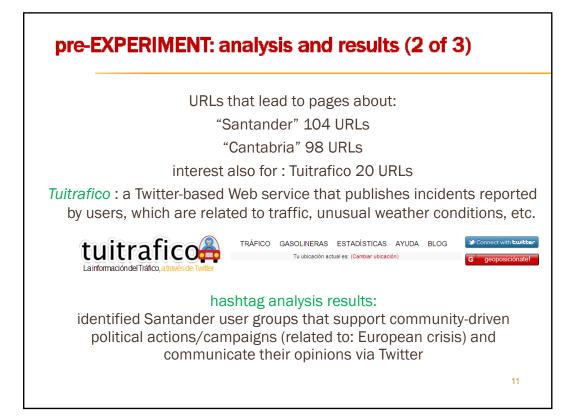
(understanding the progress of the phenomena and trying to address them)

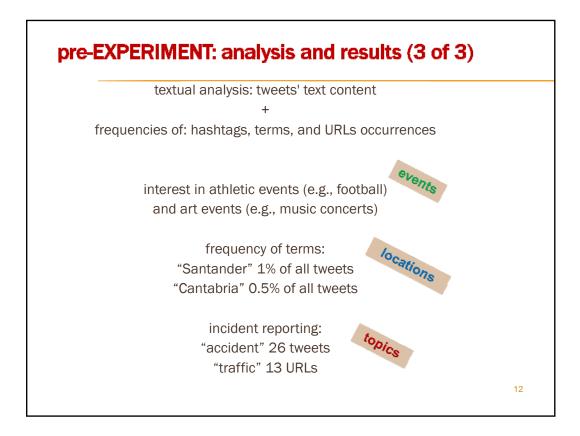
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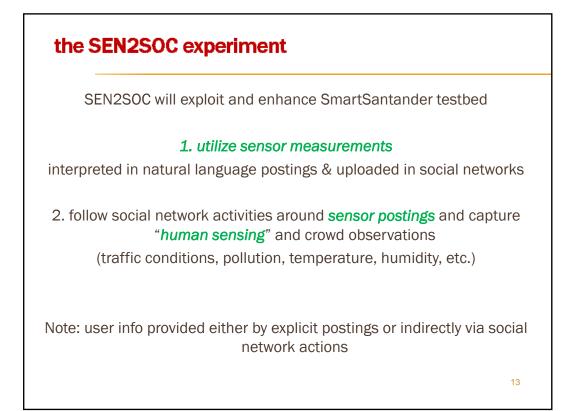


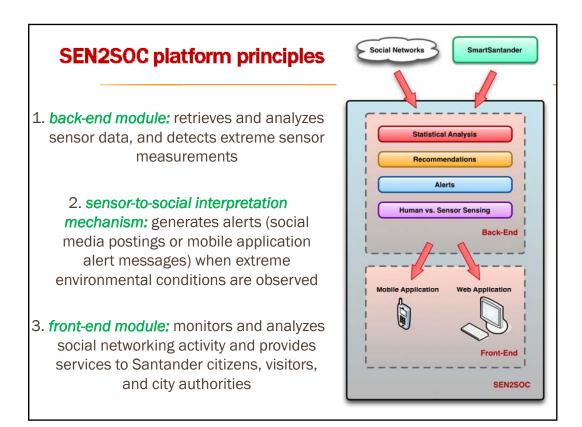


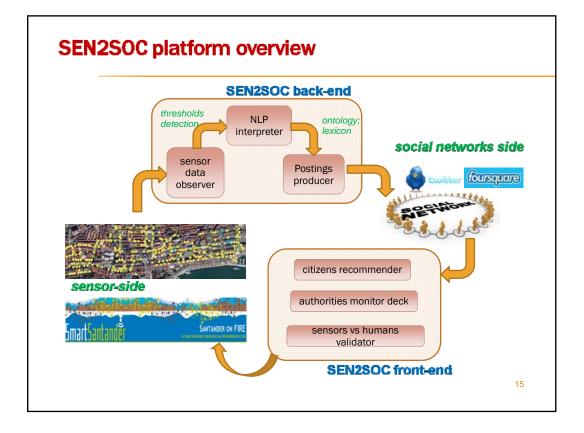


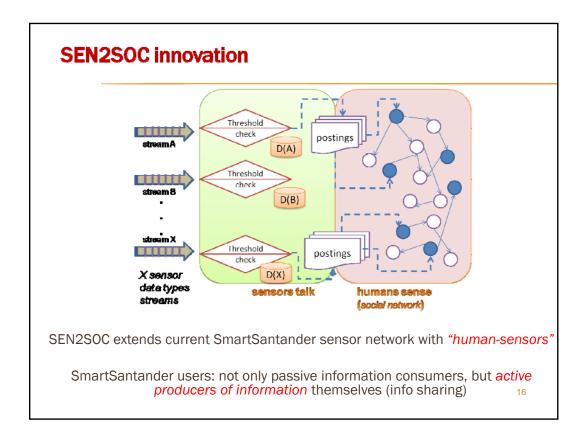


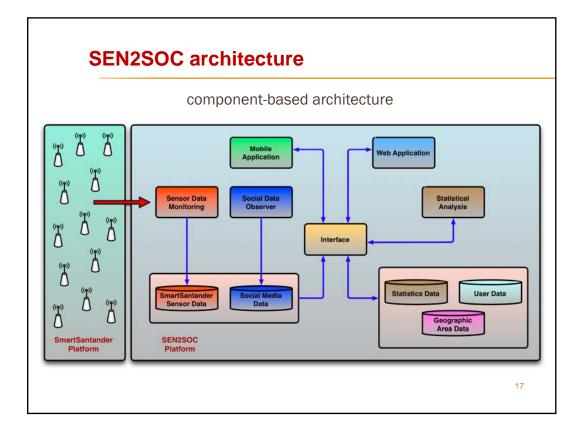


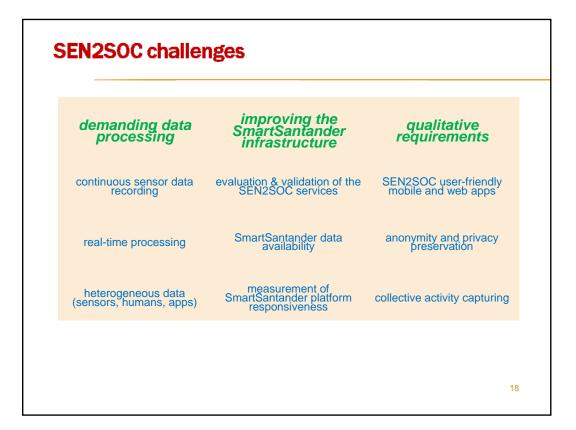


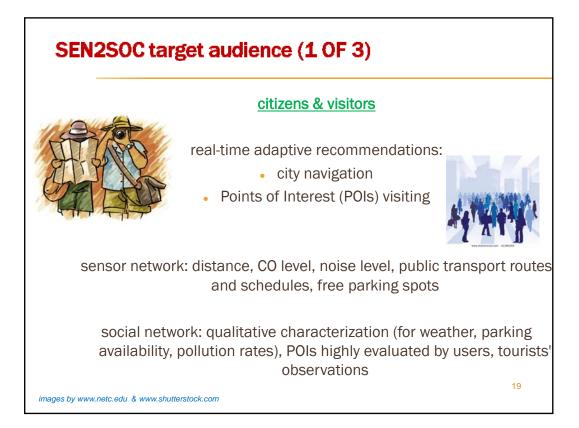


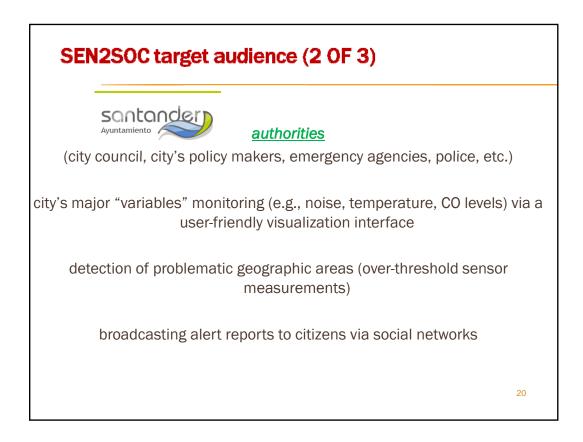


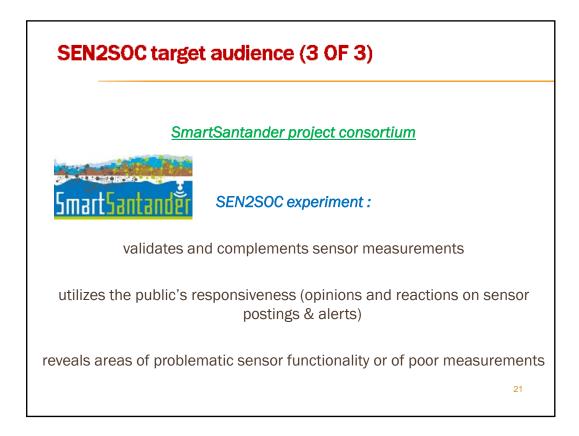


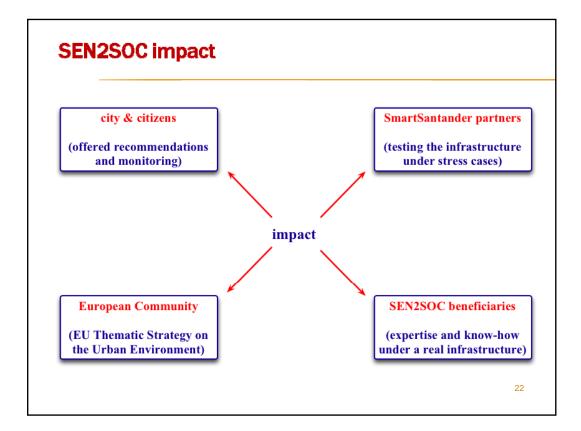


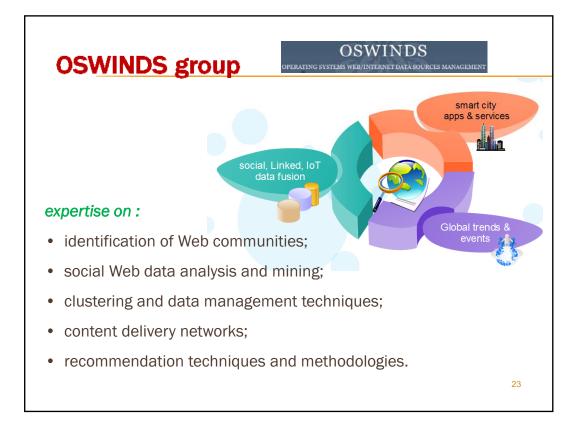












SEN2SOC experiment TEAM		
Partner	Name	Expertise/role
AUTH	Athena Vakali	Associate Professor; coordinator
	Christos Samaras	Post-doc; project manager
	Maria Giatsoglou	PhD student; social data analysis
	Despoina Chatzakou	PhD student; social data analysis
	Evangelos Chatzicharalampous	MSc student; data storage and alerts
	Christos Baros	MSc student; data storage and alerts
	Lefteris Angelis	Associate Professor; statistics coordination
	Stefanos Kapiris	Post MSc; statistics analysis
	Maria Papoutsoglou	Post MSc; statistics analysis
	Konstantinos Pachatouridis	Post MSc; mobile application and Interface
	Charalampos Tsipizidis	Undergraduate; Interface