



1st ASTERICS-OBELICS Workshop



Science data cloud & Computing models in Astronomy & Astroparticle physics through users and e-infrastructures engagement.

Dates: 12-14 December 2016



Venue: Casa I CAPPUCINI, Rome, Italy.

Welcome Address

L. Angelo Antonelli
INAF-OAR & ASDC



Welcome in Rome!





Vincenzo Testa



Denis Bastieri



Angelo Antonelli



Matteo Perri



Stefano Gallozzi



Michele Mastropietro



Francesco Visconti



Ciro Bigongiari



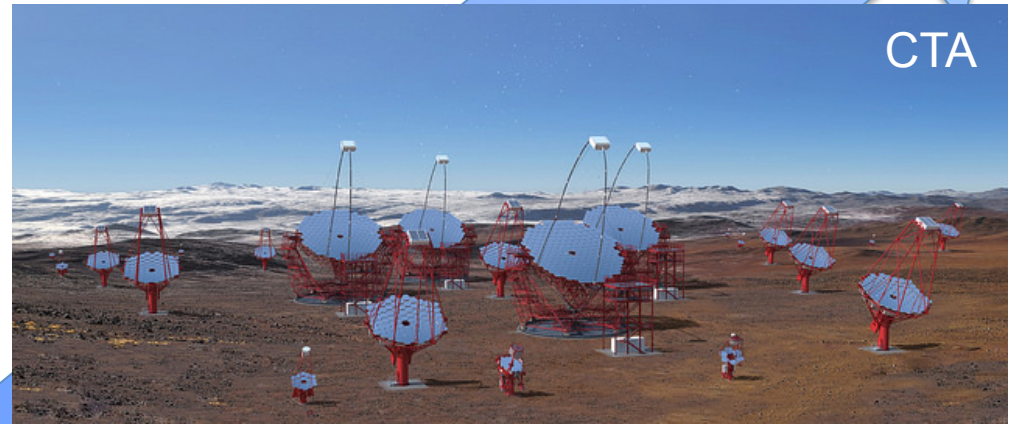
Fillide Calderini



Saverio Lombardi

From ASTRI to CTA

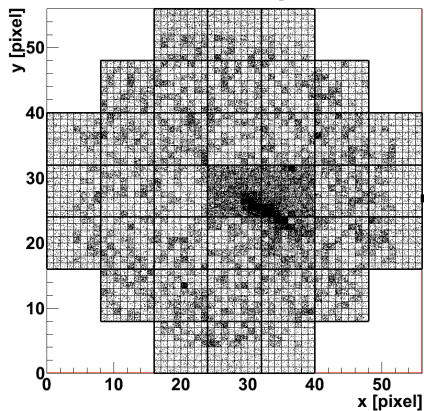
CTA is an ESFRI project and ASTRI is a CTA precursor by INAF. INAF group is developing a data reduction and analysis software for the stream of data coming from ASTRI telescopes and CTA telescopes (testing also innovative hardware like GPUs and ARM).



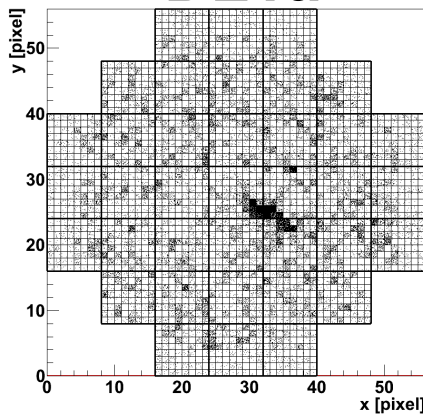
ASTRI SST-2M

ASTRI SciSoft Data Flow

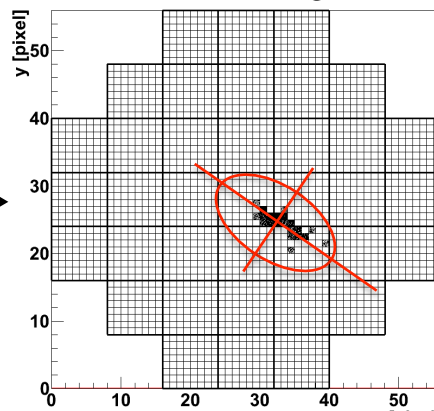
DL0



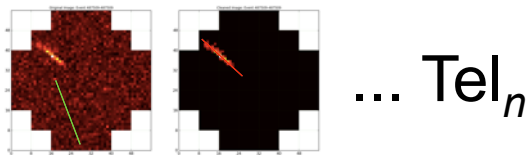
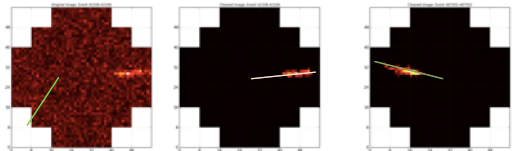
DL1a



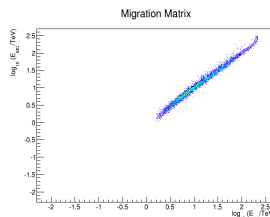
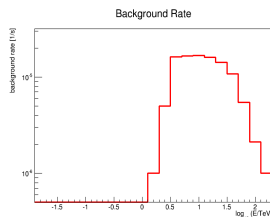
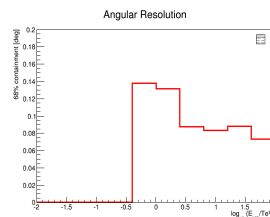
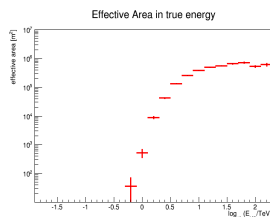
DL1b



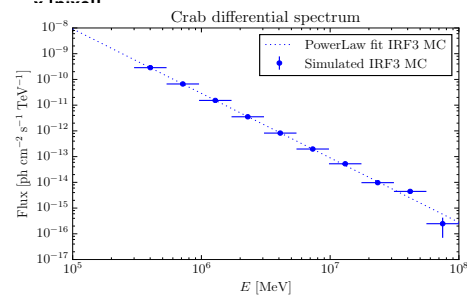
ADC Units



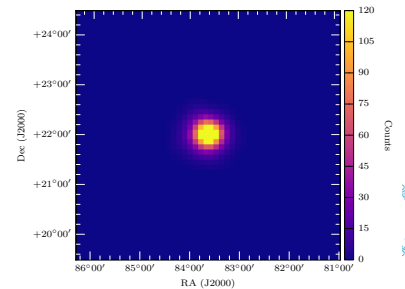
DL1c/DL2



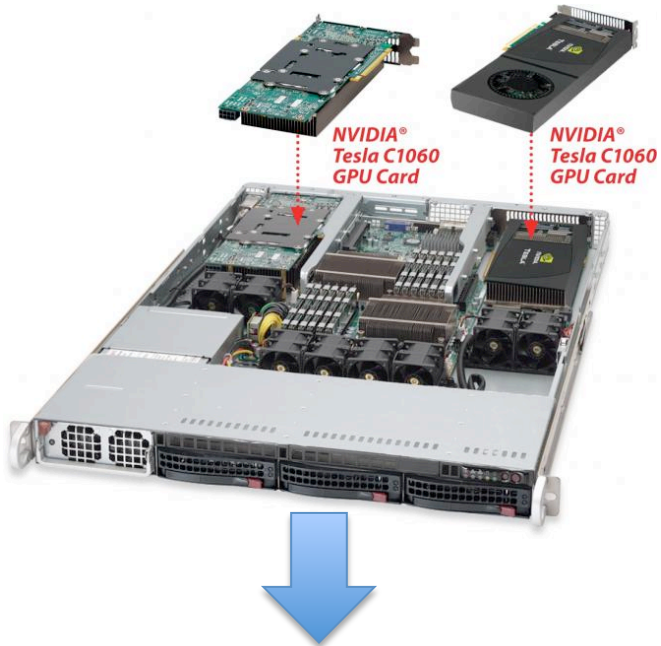
DL3



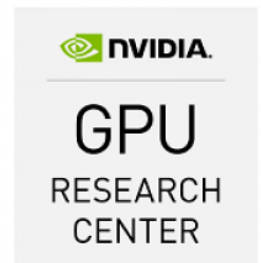
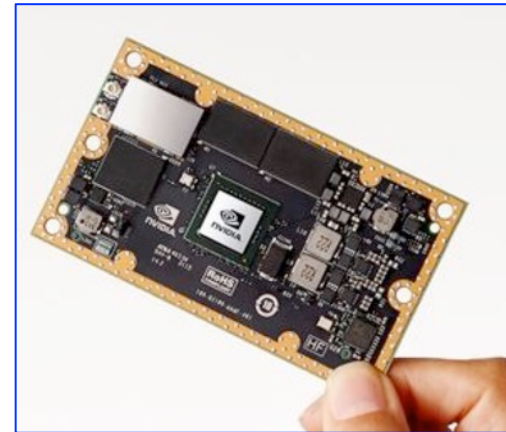
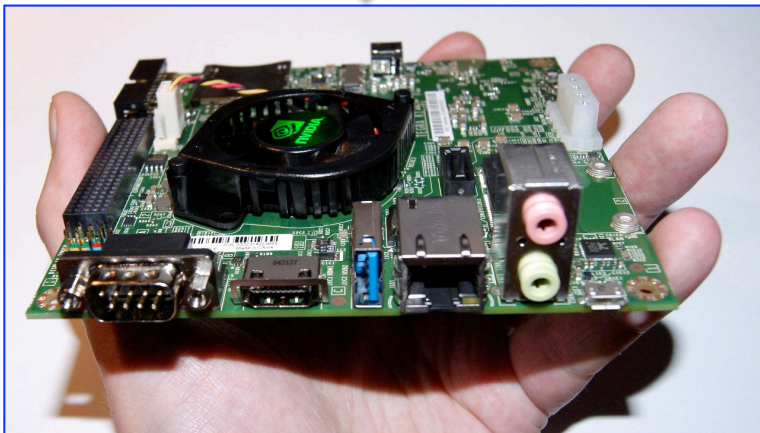
DL4



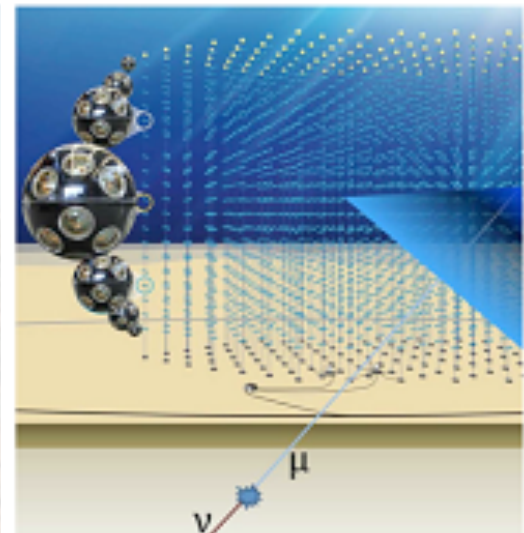
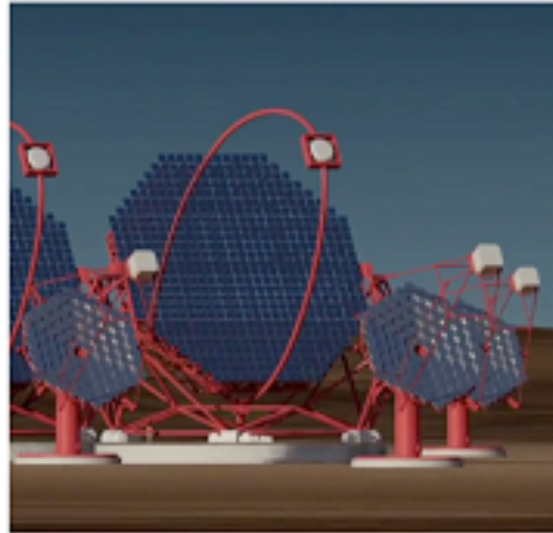
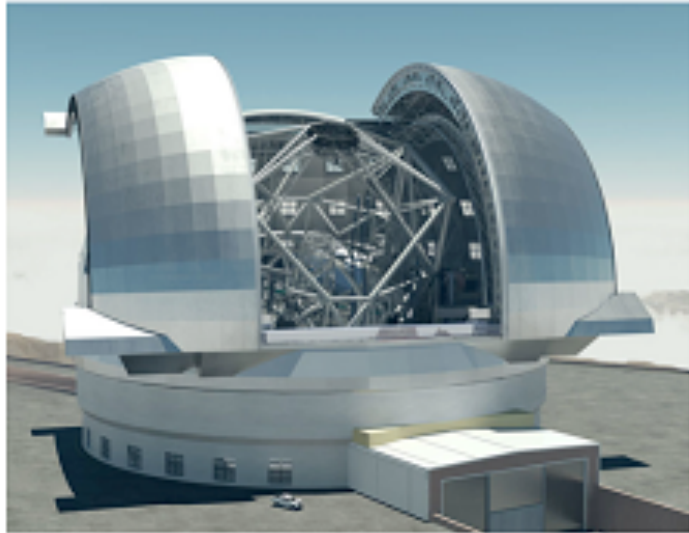
Benchmarking HW solutions



- Parallelization of the algorithms.
- Build phase does not depend on CUDA toolkit (only CPU targets built)
- CPU/GPU execution switchable on user request
- Results match within the limits of numerical precision



Working on common solutions



Some logistic information



Astronomy ESFRI and Research Infrastructure Cluster Grant Agreement No 653477.



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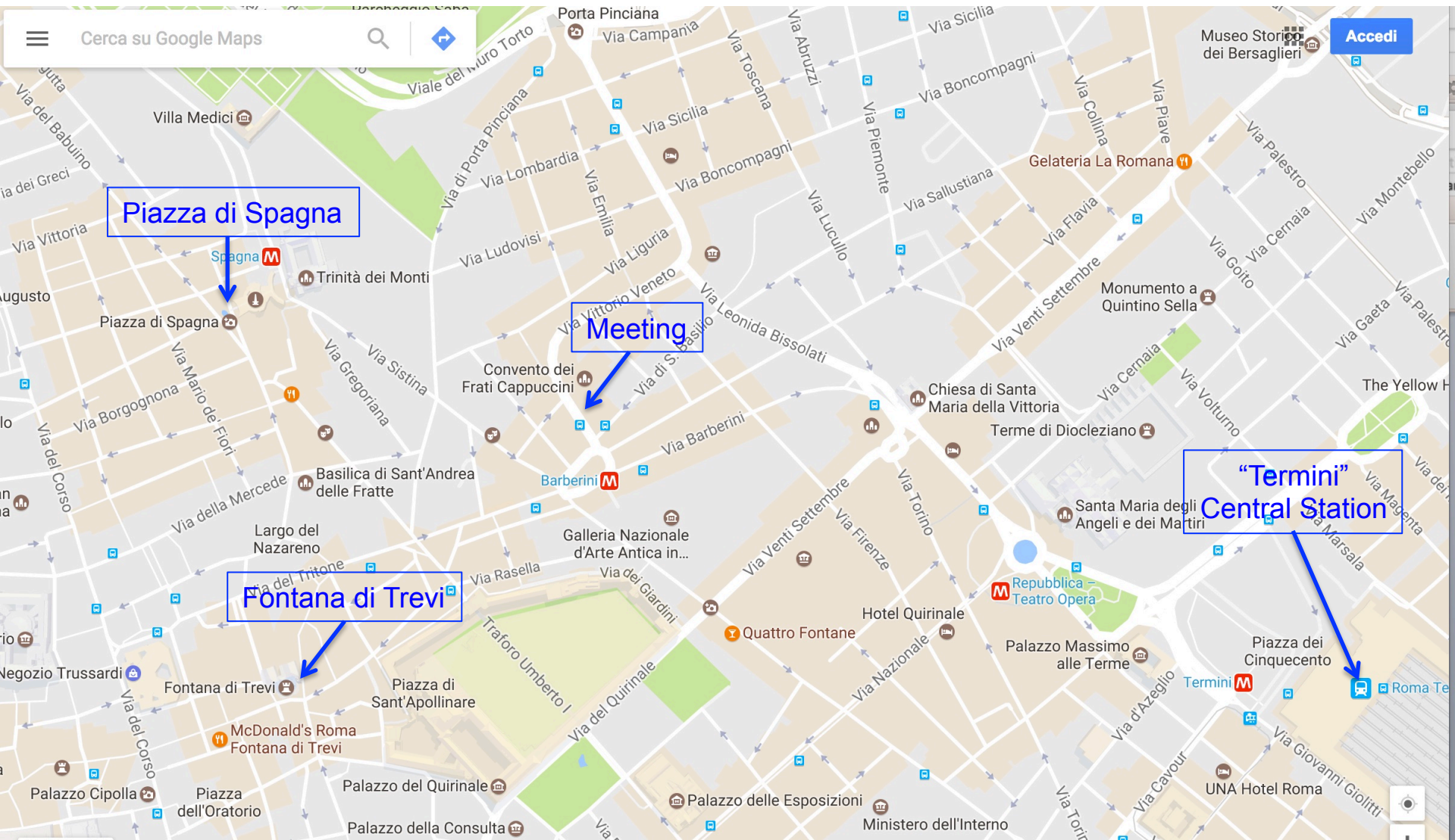
Venue: Casa I CAPPUCCINI, Rome, Italy.



For any need please ask Giuliana, Jayesh or Angelo



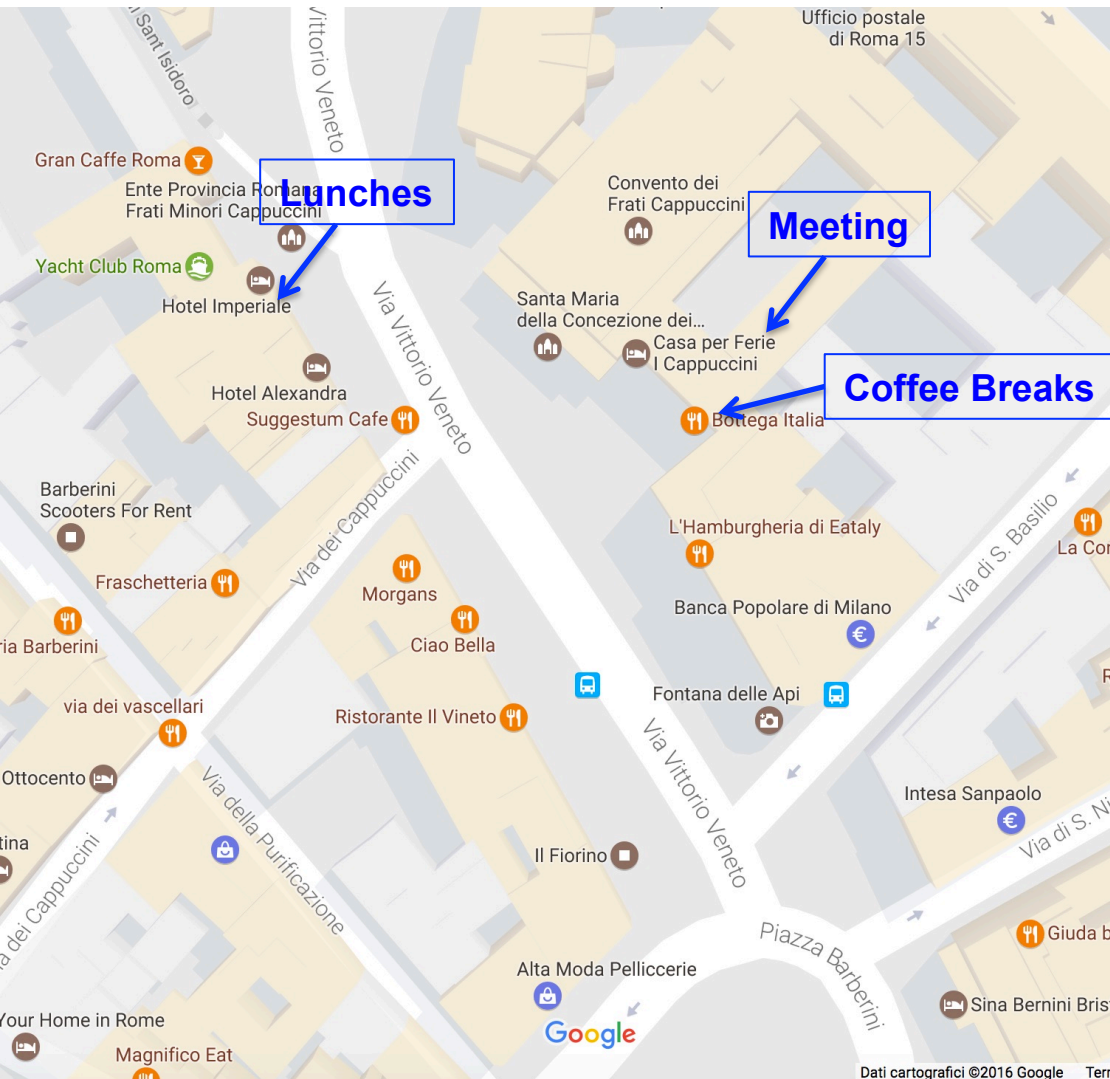
Where we are



Via Veneto



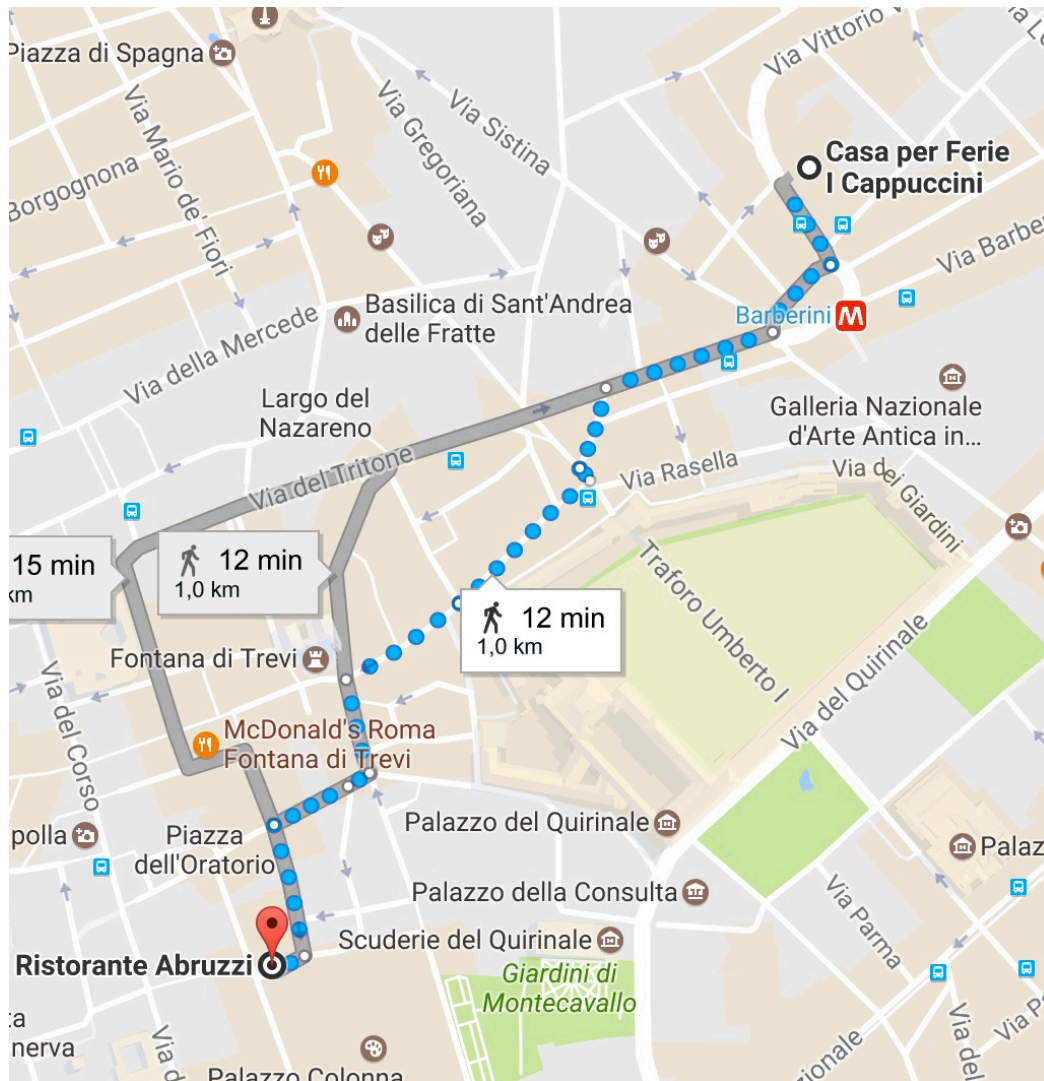
Coffee Breaks & Lunches



Coffee Breaks will be served in the bar downstairs

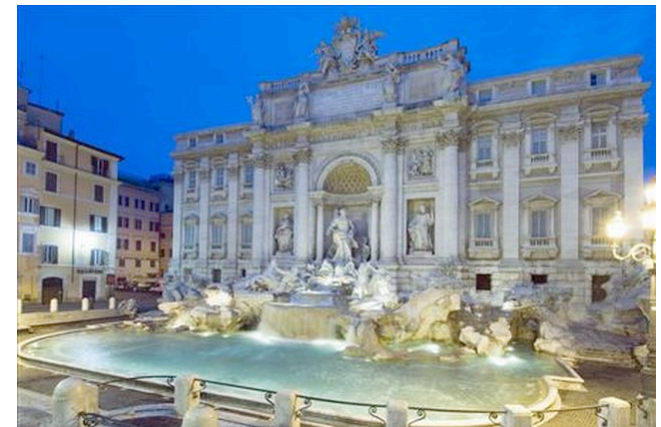
Lunches will be served in the Hotel Imperiale. You have to just cross the street.

Social Dinner



Will be on Tuesday evening at Ristorante Abruzzi.

Restaurant is located at walking distance (1 km) from conference site and can be reached passing nearby Fontana di Trevi.



(do not forget to throw a coin in the fountain to come back in Rome very soon!)

	NOTTE	MATTINA	POMERIGGIO	SERA
Lunedì 12 DICEMBRE				
	Coperto	Coperto	Poco nuvoloso	Sereno
Temperatura	14 °C	13 °C	15 °C	11 °C
Umidità	94 %	95 %	76 %	85 %
Precipitazioni	deboli	assenti	assenti	assenti
Vento	SW 8 km/h debole	N 11 km/h moderato	NNE 17 km/h moderato	NE 15 km/h moderato
Pressione	1017 mb	1016 mb	1017 mb	1021 mb
Zero termico	3120 m	2740 m	2290 m	2060 m
Poco nuvoloso. Vento di Tramontana con intensità di 17 km/h. Raffiche fino a 20 km/h. Temperatura minima di 12 °C e massima di 15 °C. Zero termico a 2550 metri.				

	NOTTE	MATTINA	POMERIGGIO	SERA
Martedì 13 DICEMBRE				
	Sereno	Sereno	Sereno	Sereno
Temperatura	8 °C	9 °C	13 °C	9 °C
Umidità	85 %	70 %	60 %	74 %
Precipitazioni	assenti	assenti	assenti	assenti
Vento	NE 15 km/h moderato	NE 10 km/h moderato	NNE 4 km/h debole	NNE 5 km/h debole
Pressione	1025 mb	1027 mb	1028 mb	1028 mb
Zero termico	1980 m	1910 m	1990 m	1950 m
Giomata serena. Vento da NE con intensità di 5 km/h. Raffiche fino a 18 km/h. Temperature comprese tra 6°C e 13°C. Zero termico a 1950 metri.				

	NOTTE	MATTINA	POMERIGGIO	SERA
Mercoledì 14 DICEMBRE				
	Poco nuvoloso	Nubi sparse	Coperto	Coperto
Temperatura	7 °C	11 °C	13 °C	10 °C
Umidità	82 %	79 %	73 %	90 %
Precipitazioni	assenti	assenti	deboli	deboli
Vento	ENE 9 km/h debole	E 14 km/h moderato	SE 13 km/h moderato	ESE 10 km/h debole
Pressione	1028 mb	1028 mb	1027 mb	1027 mb
Zero termico	1860 m	1730 m	1740 m	1840 m
Previste nubi sparse. I venti saranno prevalentemente moderati e soffieranno da Est-Sud-Est con intensità di 14 km/h. Temperature comprese tra 10°C e 13°C. Zero termico a 1800 metri.				



Enjoy the meeting! Enjoy Rome!

