**25 February 2013**

***MORNING***

**9.00 registration**

**9.30 Welcome addresses**

***10.45 coffee break***

**Chair: Antonio Raschi**

**11.10 Giampiero Maracchi**

“Globalization and urban climate”

**11.30 Dario Camuffo**

“Early hygrometric observations: the Chiminello goose pen hygrometer versus the De Saussure hair hygrometer used in Padua from 1794 to 1826”

**11.50 Gerald Mills**

“Luke Howard and The Climate of London”

**12.10 Andrea Matzarakis**

“The dilemma in thermal comfort estimation in urban areas”

**12.30 Elisabete Figueiredo**

“‘The rain in Spain stays mainly in the plain’ – why is it important to consider social perceptions on meteorology and climate studies in the assessment and management of risk?”

***13.00 lunch***

***AFTERNOON***

# Session 1 sala Pistelli HISTORY OF METEOROLOGY

**Chair: Dario Camuffo**

**14.45 Luigi Iafrate**

“Development of modern theories on weather forecasting in Italy until the Second World War”

**15.00 György Baranka**

“Ozone measurements in 19th century on the territory of the Habsburg Empire”

**15.15 Maja Zuvela-Aloise**

“Reconstructing the urban climate of Vienna using historical maps dating to the early instrumental period”

**15.30 Daniele Vergari**

“From galileian’s observation to Ximeniano Observatoty (1650-1800): a catalogue of meteorological data sources in Tuscany (Florence)”

**15.45 Maria Carmen Beltrano**

“150 years of thermometric observations in Rome”

**16.00 Marianna Nardino**

“The Climate of Salo': the historical perspective of a lake Observatory in Italy”

**16.15 Luigi Iafrate**

“Even Tuscany was struggling with the Little Ice Age”

***16.30 coffee break***

**17.15 Teodoro Georgiadis**

“Men in the wind: the role of historical observatories in planning the future”

**Session 2 sala Giordano** **URBAN CLIMATE**

**Chair: Beniamino Gioli**

**14.30 Krzysztof Fortuniak**

“Long term turbulence measurements over urbanized area in Lodz, central Poland”

**14.45 Lorenzo Giovannini**

“Numerical simulation of boundary-layer phenomena and urban-scale processes in the alpine city of Trento”

**15.00 Alberto Martilli**

“Interaction between urban meteorology and building energy consumption: modeling approach and application to Madrid (Spain)”

**15.15 Giovanni Gualtieri**

“Analysis of 20 year air quality trends in the city of Florence, Italy”

**15.30 Wlodzimierz Pawlak**

“12 years of energy balance and CO2 flux measurements in Lodz, Poland”

**15.45 Mauriusz Zielinski**

“Scintillometer measurements of the sensible heat flux in Lodz, central Poland”

**16.00 Mara Bruzzi**

“Development and characterization of miniaturized solid-state devices for environmental monitoring”

***16.30 coffee break***

**Chair: Giovanni Gualtieri**

**17.00 Chao Ren**

“A quick method of developing urban climatic map for high density cities - an experience from Kaohsiung, Taiwan”

**17.15 Tamas Gal**

“An automatic method to create an urban vegetation database using 4 band aerial photographs for sky view factor calculation – a case study in Szeged, Hungary”

**17.45 Marco Moriondo**

“Setting up of a mobile network system for the monitoring of the environmental conditions of Florence urban city”

**26 February 2013**

***MORNING***

**Chair: Vincenzo Magliulo**

**9.00 Domingo Álvarez - Rasilla**

“Heat waves and urban comfort in the metropolitan area of Madrid: proposal of an urban heat index”

**9.15 Carolina Vasilikou**

“The microclimate of small urban space: pedestrian thermal comfort in the historical city center of Rome”

**9.30 Marton Kiss**

“Urban climatological effects of tree stands – a planning-oriented approach based on the evaluation of ecosystem services in Szeged (Hungary)“

**9.45 Mikhail Lokoshenko**

“Urban “heat island” phenomenon and climate of Moskow city”

**10.00 Martina Petralli**

“Detailed intra-urban thermal monitoring in Florence and application of biometeorological indices: the effect of green areas”

**10.15 Camila Mayumi Nakata**

“A review of methods of urban climate’s representation and simulation”

***10.30 coffee break***

**Chair: Piero Toscano**

**11.15 Chao Ren**

“Urban climate research in Beijing, China: a review”

**11.30 Donatella Spano**

“A new urban site to develop future sustainable planning alternatives”

**11.45 Andrea Matzarakis**

“Development and application of assessment methods for thermal bioclimate condition in Stuttgart.”

**12.00 Sajjad Hussain Sajjad**

“A comparative analysis of the change in temperature on urban, town and rural areas of Pakistan”

**12.15 Davide Panosetti**

“First findings of the thermal regime analysis of the biggest green wall of Europe (Rozzano, Milano)”

***13.00 lunch***

***AFTERNOON***

**Chair: Marianna Nardino**

**14.30 Azad Mohammed Ameen Kaka Shekh**

“Impact of the city streets on city temperature/streets of the Erbil city as a case study”

**14.45 Marina Baldi**

“Climate extremes in urban areas and human health. The summer heat waves case.”

**15.00 Nikos Papamanolis**

“The Contribution of Built Environment to the Formation of Urban Climate in Greek Cities”

**15.15 Alka Bharat**

“Framework for mitigating micro level integrated thermal and wind variations in urban area through physical planning interventions”

**15.30** **Anurag Kandya**

“The changing climate of the megacities of India: a scientific prospective based on multivariate analysis”

**15.45** **Pavel Kostantinov**

“Modeling of the meteorological parameters and thermal comfort conditions inside the urban boundary layer during Moscow’s 2010 summer heat wave”

**16.00 Pablo Jimenez-Diaz**

“The impact of urbanization on land use and landscape. An architectural approach.”

**16.15** **Valentina Grasso**

“Evaluating communication efforts and urban climate constraints for Energy savings. The experience of RACES project in 5 italian cities”

***16.30 CONCLUSION : Antonio Raschi***