



Vegetation as mitigative tool for urban climate and pollution: a case study in the Po valley

T. Georgiadis and F. Rossi
(t.georgiadis@ibimet.cnr.it)

A case study of the application of vegetation to mitigate the urban climate extremes and pollution in the Po Valley is presented. A plant varieties directory containing both particle pollution absorption and evapotranspiration properties was prepared to be an useful tool for city planners. The application of vegetation can be result suitable for restoration of bio-index in already built areas as well as for the planning of new settlements. The study conducted for an Emilia-Romagna city is presented along with the software procedure developed to manage the specific case.