

Hi! I'm Charlotte, have you ever thought what it means to produce carbon dioxide or how much it is difficult to produce the electric energy? According to you is it possible to get on electric energy from rubbish? In our journey around Italy we will give us some answers or at least reflect on the problems of pollution and energy saving. Every day our cars and our factories and so many human activities besides giving us so many benefits produce kilos and kilos of carbon dioxide. The carbon dioxide is a greenhouse gas that contributes to global warming because makes a layer in the sky that prevents a thermal exchange between the earth and the space. But could you tell me how much space does one kg of CO₂ occupy? Calculating that one mole of CO₂ occupies one volume of 22,4 litres and weighs 44G. I can say that one kg of CO₂ could fill one cube of 80CM side or similar to a balloon of one metres of diameter and if we produced energy from our movement? For example you know that a man who riding by bike 20KM per hours gives a power of three Vat, the wheel of a dynamo would turn 6.000rpm to produce electricity and the same power used to charge the cellphone. Think to produce one KWH it would have 333 hours of cycling or 333 cyclists who are cycling for one hour. For example a big problem of cities is waste disposal, one day I would like to be able to turn around for my town on an electric bike that is fed directly from the transformation of waste into electricity. Think that Acerra's incinerator produces 11 MWH with over 3.000.000 tons of waste a year.