

This work defines the amount of carbon dioxides emission as a problem which is based on the theories of global climate changes and the concept of sustainable development and commitments adopted by the Czech Republic. The first section summarizes the current approach of the international community to the question of climate changes caused by human activity, the beginnings and evolution of the theory of sustainable development and international negotiations leading to the carbon dioxide emission limits. It analyzes the position of the most important actor on the field of global greenhouse gas reduction, the European Union. As a member, the ČR is directly influenced by legislation and the commitments which have been taken at the European level. The next section identifies the situation in the Czech Republic: the amount and the main sources of emissions and set them to the European and World context. This section implies the resulting consequences for the Czech Republic. It analyzes the basic tools used in ČR for the carbon dioxide emissions reducing.

The thesis also contains a case study of Telefónica O2 and explores its approach to the environmental conservation and reducing CO2 emissions. Telefónica is a big international company that is aware of its corporate responsibility for emissions that produces. There is assessment of Telefónica O2 active approach, experience and exploitation of tools such as environmental management. Based on the findings from the previous parts of this thesis it proposes the rigorous implementation of tools to the praxis and it also proposes using of the new tools that would help ČR to reduce its carbon dioxides emission. In the conclusion the thesis urges the need of completing the environmental tax reform and the running of information system. If the Czech Republic wants to achieve the sustainable development, there must be fundamental changes taken in behavior and thinking of the population. Only informed and educated people can change the existing patterns of production and consumption, leading to a low carbon economy and sustainable development.