



## **Science driven education on transportation and climate**

E. Uherek (1), N. Dotzek (2)

(1) Max Planck Institute for Chemistry Mainz, P.O. Box 3060, 55020 Mainz, Germany (2)  
DLR-Institut für Physik der Atmosphäre, Oberpfaffenhofen, 82234 Weßling, Germany

Emissions from transport (road based, ships and aircrafts) have a major influence on our climate system. The personal decisions of our citizens in choosing vehicles for their on needs and leisure time activities like holidays will be very relevant for the mid-term development of this growing source of emissions, in particular for the energy consumption and release of CO<sub>2</sub>. Social studies clearly indicate that the awareness of environmental problems does hardly have any influence on our behaviour in mobility. The educational branch of the European research network QUANTIFY explains in a web-based learning platform which emissions are caused by transportation, what their environmental impact is and how each citizen contributes to this in day-to-day decisions. The platform makes in particular the link to social science and involves the public in interviews in order to demonstrate the relation of knowledge, attitude and behaviour. QUANTIFY education cooperates with other efforts, for example the 'transportation and climate' branch of the European PENCIL project or 'Young reporters for the environment'.