

**CLIMATE CHANGE AND AIR QUALITY MANAGEMENT:
EMISSIONS AND CONSEQUENCES**

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ABSTRACT

The main objective of this paper is to provide a basis of scientific information for policy makers and public use by the assessment of the vulnerability of Portugal to climate change. Two different approaches were used, the first one related to the Portuguese contribution to global warming and to the available options to reach the objective assumed in the Kyoto Protocol. The second approach concerns the impact of climate change in Portugal, using outputs from General Circulation Models to provide initial and driving meteorological boundary conditions for higher resolution models. Results emphasize the need of a national strategic plan to reduce greenhouse gas emissions and to prevent regional impacts of climate change.