From climate change impacts to the development of adaptation strategies: Challenges for agriculture in Europe

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Abstract

This study links climate change impacts to the development of adaptation strategies for agriculture in Europe. Climate change is expected to intensify the existing risks, particularly in southern regions, and create new opportunities in some northern areas. These risks and opportunities are characterised and interpreted across European regions by analysing over 300 highly relevant publications that appeared in the last decade. The result is a synthesis of the reasons for concern for European agricultural regions. The need to respond to these risks and opportunities is addressed by evaluating the costs and benefits of a number of technical and policy actions. The results highlight the importance of enhanced water use efficiency as a critical response to climate risks and the need for a more effective extension service. These results aim to assist stakeholders as they take up the adaptation challenge and develop measures to reduce the vulnerability of the sector to climate change.

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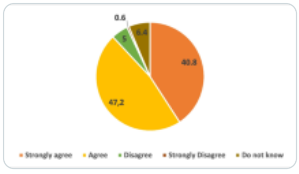

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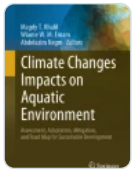

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