



## **KLIMOPASS: Water-use conflicts during periods of low flow – a stakeholder analysis of the rivers Murg and Kocher in Baden-Wuerttemberg and sustainable recommendations for action**

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The 2003 and 2015 occurring heatwaves in Central Europe demonstrated on how dangerous long-lasting droughts and water stress can be for nature, people and companies relying on water. Climate change will increase the chance of low flow events along rivers in Baden-Wuerttemberg in the future leading to possible water-use conflicts amongst the users.

This KLIMOPASS project focuses on the identification of existing and potential occurring conflicts of usage and interest for water resources. The main research concentrates on two exemplary river basins in Baden-Wuerttemberg (the Murg and the Kocher River) including all involved stakeholders and sectors (hydropower, agriculture, industry, sewage plants, ecology, tourism etc.). With the examples of the two rivers, the identification of conflicts, possible strategies for solutions and recommendations for action during current and future events of low flow have been researched. Quantitative and qualitative surveys, interviews, excursions and workshops have been conducted to analyse the stakeholder's potential for conflict. For this process it is necessary to equally consider all economic, societal and ecological interests and include all relevant stakeholders in the participatory process. According to the results, water related conflicts are not present in all sectors, but rather exclusive to certain sectors. Furthermore, these sectors are in conflict with more than one stakeholder group at the same time. In contrast, other users have not experienced any water related conflicts yet. Moreover, it is noticeable that conflicts in water use are only partly caused due to low flow events: regarding both rivers, low flow events are not only related to natural causes but particularly to anthropogenic influences.