

**IMPACT ANALYSIS OF FUTURE CLIMATE CHANGE ON
RIVER TRANSPORT**

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Future climate changes may have a significant impact on river transport. Changes in river levels can lead to restrictions on vessel traffic, increased delivery times and increased vessel maintenance costs. Extreme weather conditions such as floods and droughts can cause problems with infrastructure and maintenance of river routes [1]. An increase in average air temperature has an impact on water levels in the world's oceans. This is followed by an increase in costs for the creation and development of water infrastructure. However, possible weather changes, namely heavy rainfall, can have a detrimental effect on coastal infrastructure. Shipping in coastal waters is an important aspect that should not be neglected when assessing the influence of climatic factors on river transport. To tackle these problems, it is of crucial importance to initiate new methods and technologies which will work effectively and be used in changing conditions regularly. As a simple example, consider innovative developments in the area of more flexible cargo management using cleaner and more energy efficient ships also significantly affected by low water levels as well as improving weather forecasting systems to optimize routes and schedules. Future climate changes may also affect the demand for river transport, as companies and consumers may reconsider their preferences due to changing conditions. In general, the analysis of possible climate changes on river transport is an important aspect of planning future investments and development of this industry.

References

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