

Article

# Climatic Impact Toward Regional Water Allocation and Transfer Strategies from Economic, Social and Environmental Perspectives

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$$W_S = \omega^E W_S^E + \omega^U W_S^U \quad (S1)$$

$$W_S^E = \frac{1}{2} \sum_{k=1}^2 \sum_{t=1}^4 \frac{\sum_{i=1}^4 W W_{ikt}}{S_{kt}} = \frac{1}{2} \sum_{k=1}^2 \sum_{t=1}^4 \frac{\sum_{i=1}^4 q_{ikt} x_{ikt}}{S_{kt}} \quad (S2)$$

$$W_S^U = \frac{1}{2} \sum_{k=1}^2 \sum_{t=1}^4 \frac{\sum_{i=1}^4 x_{ikt}}{S_{kt}} \quad (S3)$$

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