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## Modification of integrated system of long-distance transport of water in plants. Where the plant has its heart?

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This paper presents further attempts at modifying the integrated system of water transport in the plant on long distances. In principle, the modification is concerned with Münch model which is incorporated into the integrated system. That model of the mass flow of assimilates along the phloem is the coupling element for the long-distance water translocation in the plant. The main objective of the modification is to make Münch's model and the whole integrated system closer to the biological reality. On the basis of the investigations an attempt has been made to answer the question where the plant has its heart and how it functions.