WoodChainManager is a publically available web-based tool for preliminary assessment of forestry operation costs. The online tool’s algorithm uses logical controls, which prevent the user from selecting illogical harvesting systems.

WoodChainManager embraces a wide range of techniques and tools. Apart from the calculation of material costs and visualization of harvesting systems, WCM enables calculation of labour costs and calculation of productivity for a narrower range of techniques.

Users can test the impact of individual technologies on the total material costs of the harvesting system and thus optimize operation processes.

The selected method for calculating costs for individual machines is simple, but still reflects the state of the actually incurred costs. WoodChainManager offers cost calculations for a wide range of technologies, machines and appurtenant attachments.

WoodChainManager wish to increase awareness and understanding of cost calculations and to offer the possibility to directly compare different harvesting systems.

The innovation of the WCM tool lies in the new approach and simplified way of stipulating forest work norms, where data on the number of trees selected for cutting according to tree species and diameter at breast height and some basic details on the technique and field conditions suffice. The tool stipulates the standard time needed for the felling and hauling of trees selected for cutting as well as the maximum standard time, i.e. extra time added to standard time to account for difficult working and site conditions.

WoodChainManager offers different interactive tools suitable for the organization and optimization of forestry works.