



C.A.M.D.A.R. v5-x– Excel application for the automatic calculation of discharge and sediment transport measurements

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The paper presents an Excel application for the automatic calculation of discharge and sediment transport measurements.

Although it may seem like an upgrade of previous CAMDA it is in fact a complete new application, CAMDAR having in common with the above mentioned application only the calculation algorithm. Despite the fact that the new application is far more complex (sediment transport measurement calculation, complete archiving possibilities and error checking and correction possibilities) it is much easier to use and understand. In fact the application does not require any Excel knowledge, basic computer skills being enough.

The application calculates the discharge and sediment transport measurements according to the present Romanian methodology, but has resources for the future automation of the hydrological network. Its main advantages are a very short time for the calculation (the time is reduced from 1-4 hours to 10 – 30 minutes), the results format is ready to use for the final study or for other applications and corrections can be made even after archiving in any point and at any moment.