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Latest developments of the airGR rainfall-runoff modelling R-package: inclusion of an interception store in the hourly model

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airGR (Coron et al., 2017, 2019) is an R package that offers the possibility to use the GR rainfall-runoff models developed in the Hydrology Research Group at INRAE (formerly at Irstea), including the daily GR4J model as well as hourly, monthly and annual models. Recent model developments are regularly introduced in airGR.

Recently, an hourly model including an interception store was implemented in airGR. The additional interception store, developed by Ficchi et al. (2019), aims at better representing the impact of vegetation on evaporation fluxes. This improved model showed a better consistency of model fluxes across time and enhanced performance.

In addition, the possibility to run the hourly GR models together with the CemaNeige snow accumulation and melt module was added to airGR.

References:

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