



airGRteaching: an R-package designed for teaching hydrology with lumped hydrological models

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► To cite this version:

Guillaume Thirel, Olivier Delaigue, Laurent Coron, Vazken Andréassian, Pierre Brigode. airGRteaching: an R-package designed for teaching hydrology with lumped hydrological models. EGU General Assembly 2017, Apr 2017, Vienna, Austria. Geophysical Research Abstracts, 19, pp.18, 2017. hal-02606231

HAL Id: hal-02606231

<https://hal.inrae.fr/hal-02606231>

Submitted on 28 Jun 2023

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airGRteaching

an R-package designed for teaching hydrology with lumped hydrological models

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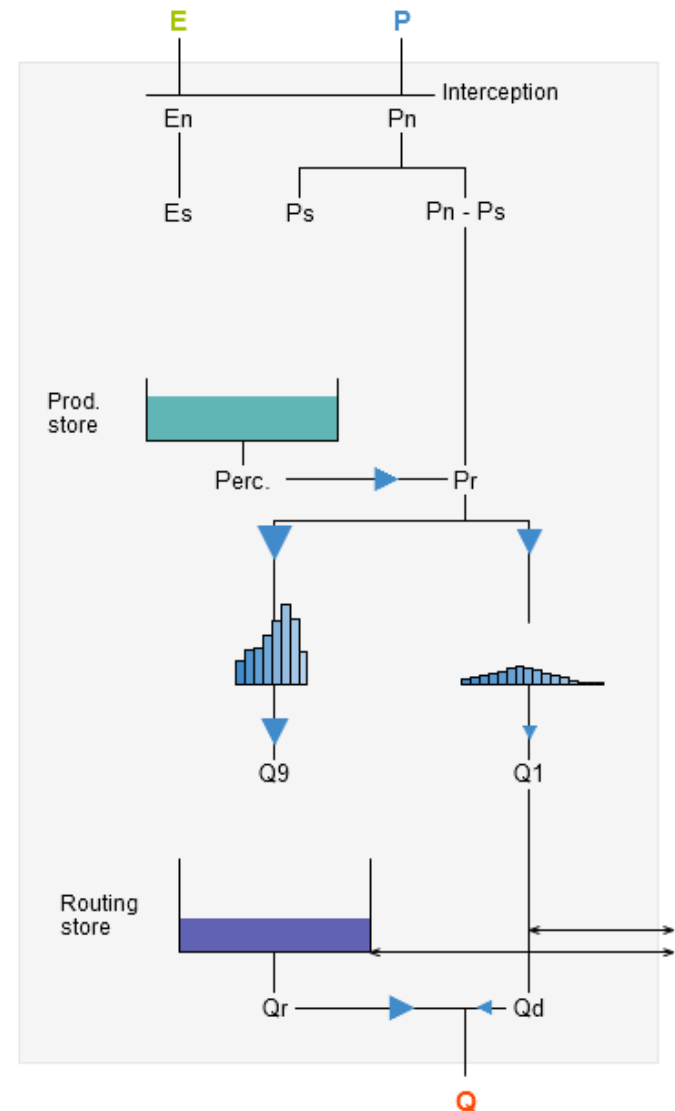
(3) University of Côte d'Azur, Géoazur, Nice, France

26th April 2017



Based on the airGR R-package:

- 3 daily models up to now (including GR4J)



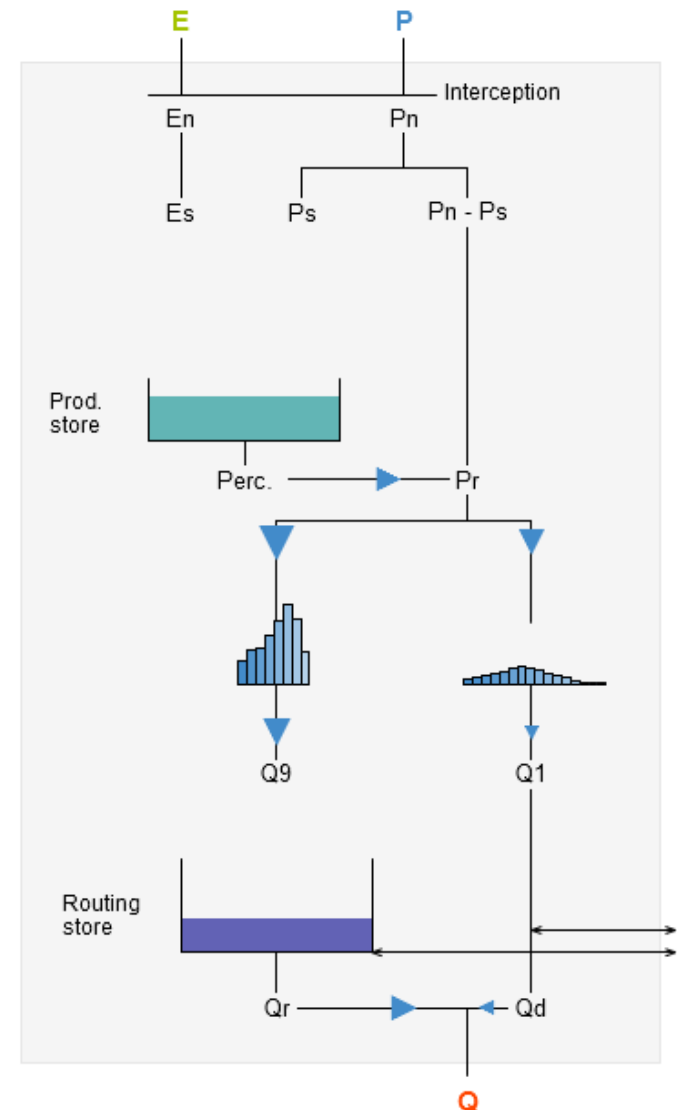
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Basic level of programming required

Only 3 simple functions for a full modelling exercise

- Preparation of data
- Model calibration
- Model simulation



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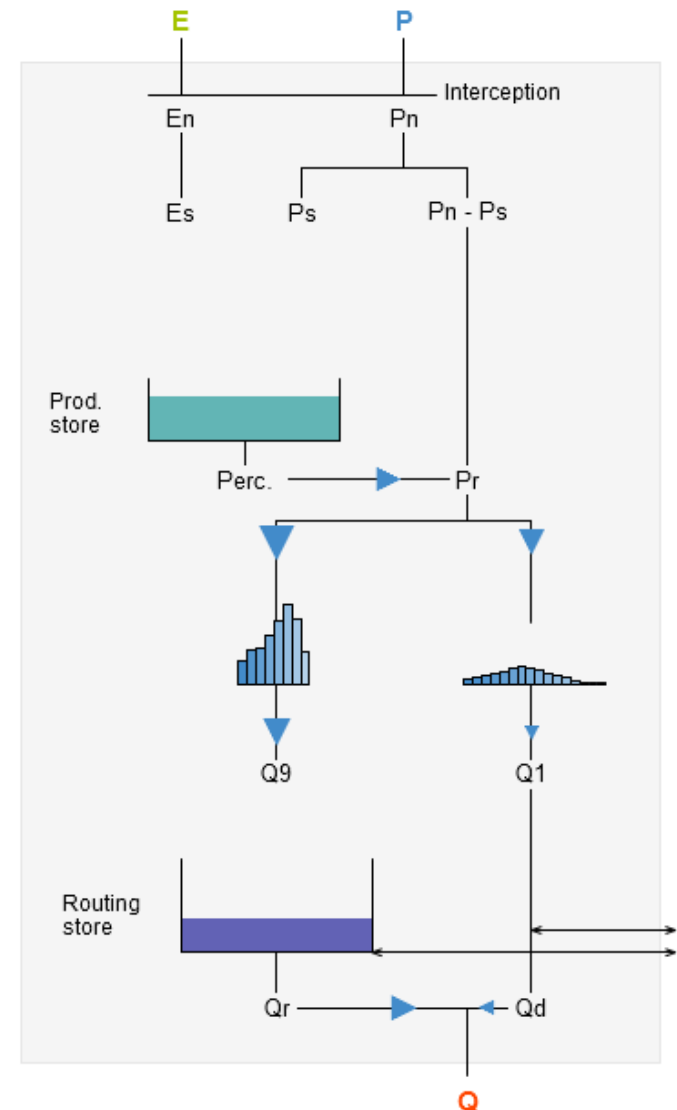
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Pre-defined graphical plots

- Mouse events and interactive graphics



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Pre-defined graphical plots

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Graphical interface based on a Shiny interface

- Interactive flow simulation with parameters modifications
- Automatic calibration
- Internal variables evolution
- Time period selection

