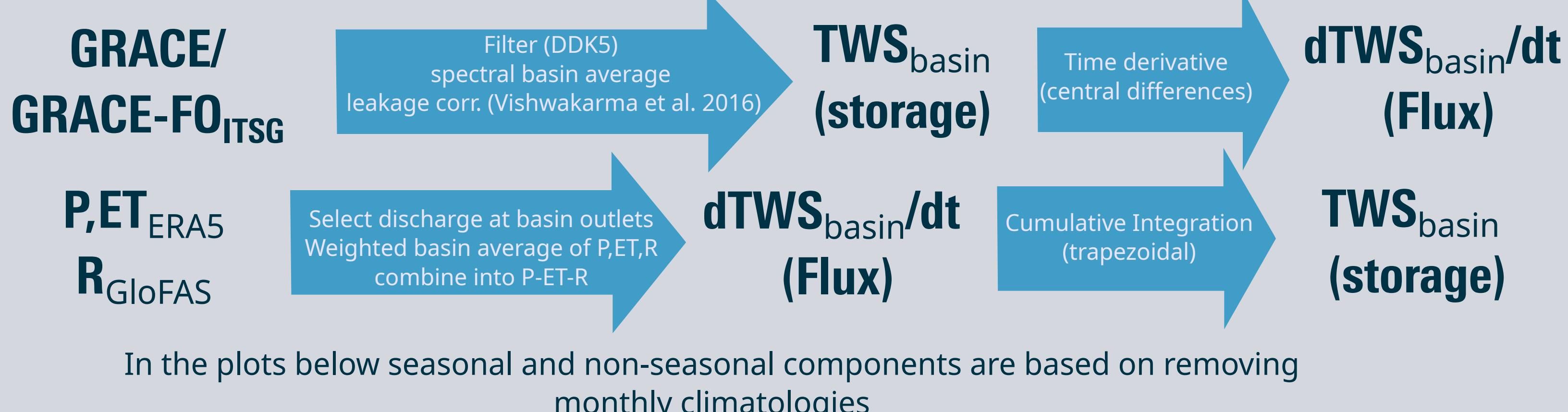


Signatures of drought and flooding events in terrestrial water storage anomalies and fluxes

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Extracting terrestrial water storage and fluxes from gravimetry and models



Watershed Fluxes or Storage?

A warming climate is expected to increase hydrological extremes.

But to what extent can we already see droughts or floods in GRACE/GRACE-FO Terrestrial Water storage anomalies and ERA5, GloFAS P,ET,R fluxes? A cross validation requires either integration of fluxes or time derivatives of storage.

