

Table 3. Results from Generalised Additive Models. For each analysis we provide: the response variable, the predictor, the type of distribution selected, the F/χ^2 values of the smooth term, intercept and slope values, and the deviance explained by the model. ¹ all p-values are <0.001 ² Slope compared with 2017. ³ Data from 2017 are missing, and values for 2018 start from early august

Response variable	Predictor	Distribution (link)	χ^2/F^1	Intercept ¹ ; Slope ^{1,2}	Deviance explained
SRG T _{water}	Time elapsed	Gamma (log)	839.5	0.12; 2018= 0.006, 2019= -0.06	38.9%
SRG EC	Time elapsed	Gaussian	7976	550.7; 2018= -54.1 2019= -52.4	83.4%
ZRG T _{water}	Time elapsed	Gaussian	9075	1.15 2018= -0.006 2019= -0.08	81.6%
ZRG EC ³	Time elapsed	Gamma (log)	17691	4.9 2019= -0.09	94.0%
ZRG δ EC	Total precipitation	Gamma(log)	5.35		77.4%
SRG δ EC	Total precipitation	Gamma(identity)	15.19		70.7%
SRG δ T _{water}	Total precipitation	Gaussian	21.7		83.5%