

Evaluation against isotopic measurements

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Dataset	MIBA/ Basin/ CarboEurope networks	GNIR network	TES, SCIAMACHY and GOSAT satellite datasets
Spatial	About 15 sites	global	global
Temporal	Seasonal	Seasonal	Daily to seasonal
Variables	soil, stem and leaf water composition (complemented by H, LE and soil moisture for most sites)	River water composition (complemented by precip composition from GNIP network for some sites)	Water vapor composition: reflects continental recycling over some continental regions
mode	Offline 1D (isotopic and meteorological forcing available on most sites)	Global offline or coupled (merged product GNIP-LMDZ as isotopic forcing in offline mode)	Coupled with LMDZ
tools: perl scripts, fortran pro- grams	read sechiba outputs, collocate with obs	read sechiba outputs, collocate with obs	read LMDZ outputs, collocate with obs, convolve with averaging kernels