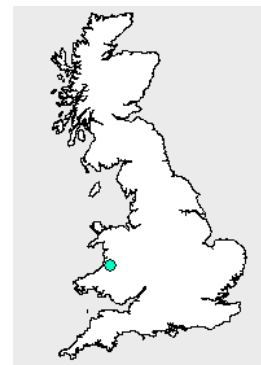


General Information

River Name	Ystwyth	Catchment Area (km2)	32
Station Name	Cwm Ystwyth	SAAR (mm) 61-90	1992
Station Number	63004	Mean Annual Rain (mm) 62-91	2086
Grid Reference	SN791737	Mean Annual PE (mm) 62-91	525
EA Region	EA-W	Observed flow record	1984 to 2005



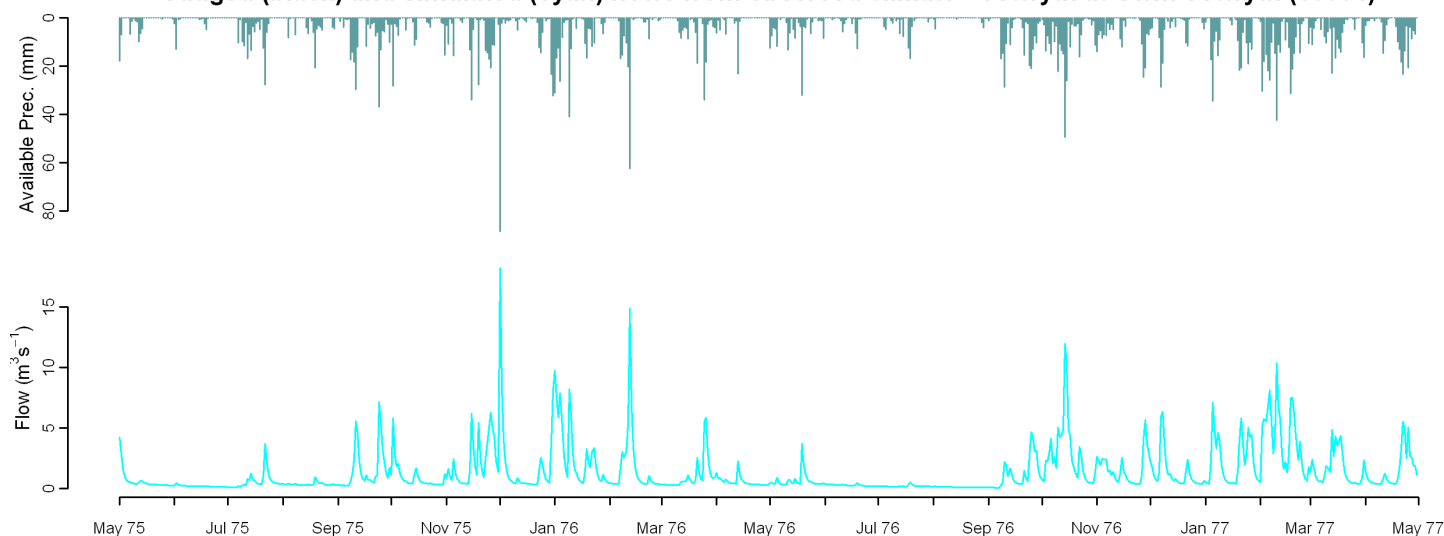
Observed Data

Comparison of gauged and simulated flow

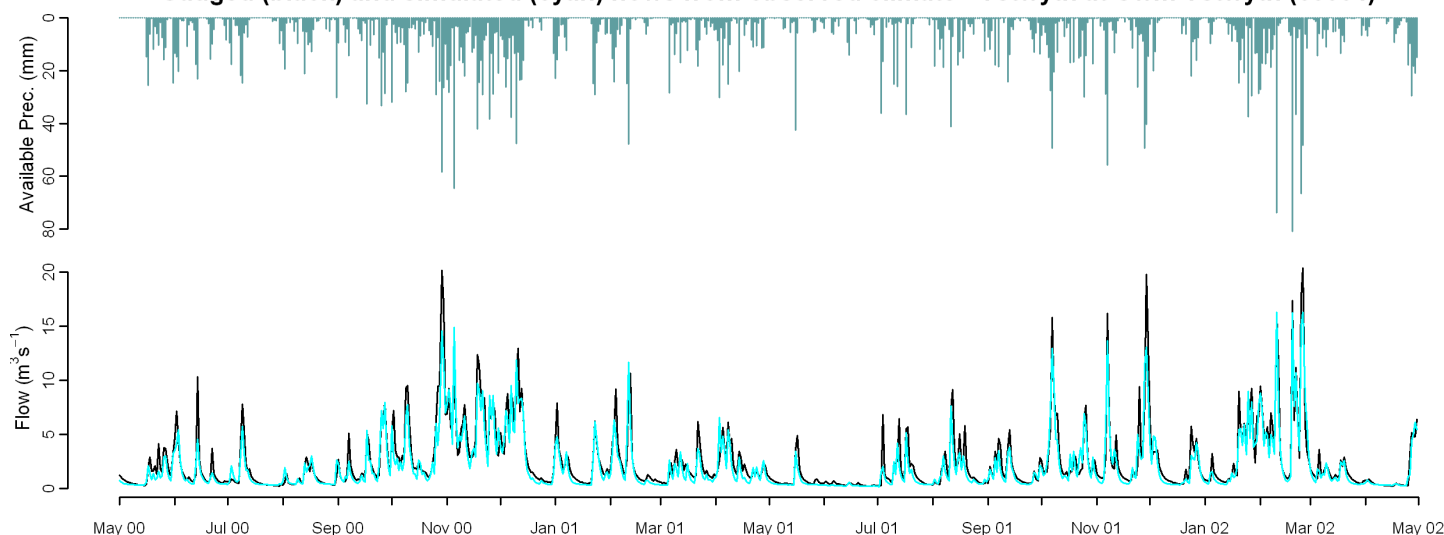
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-9.8	-8.2	-9.9	-7.6	-12.5	-20.8	-23.6	-20.7	-16.3	-11.4	-8.8	-6.5	-7.1	0.73
Performance Band	2	1	2	1	1	2	2	2	1	1	2	2	1	1
MORECS (1962-1991)	-7.3	-4.0	-8.0	-1.2	-12.4	-23.6	-24.5	-21.1	-25.0	-11.6	-9.6	-3.5	-4.6	0.54
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	10.7	-19.6	-29.8	-7.5	-5.4									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	21.8	-10.6	-31.2	-8.9	-4.0									

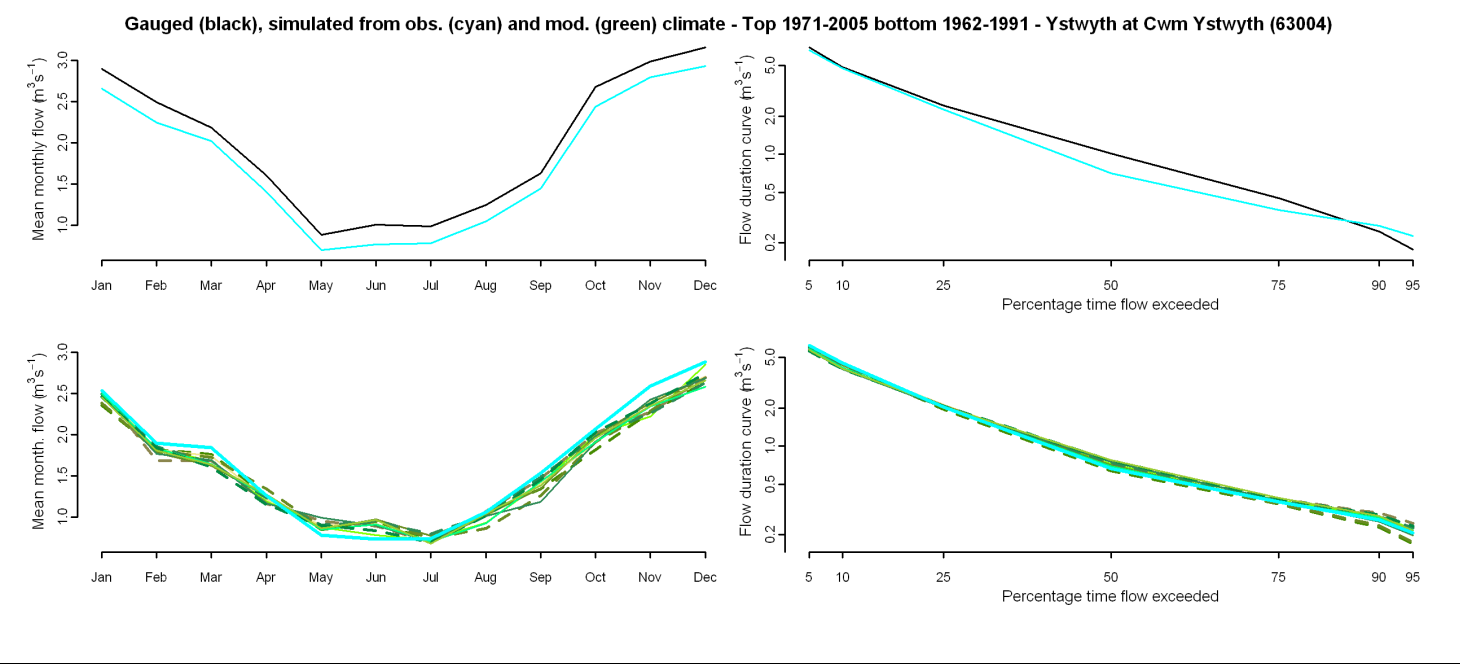
Gauged (black) and simulated (cyan) flows from observed climate - Ystwyth at Cwm Ystwyth (63004)



Gauged (black) and simulated (cyan) flows from observed climate - Ystwyth at Cwm Ystwyth (63004)



Comparison of gauged and simulated flow (observed and modelled climate)



Percentage difference between flow simulated from observed climate and Future Flows Climate

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-3	-4	-2	-2	-2	-4	-4	-2	-4	-4	-3
January	-1	-7	3	-2	1	-2	-3	1	-2	-8	1
April	-7	-1	-5	-3	-2	5	-4	0	-7	-8	-1
July	-4	5	5	-1	0	6	-4	8	-5	-8	-10
October	-1	-3	-10	0	-5	-4	-1	-3	-6	-1	-5
Q90	6	-13	-2	15	-4	-10	-5	7	3	8	10
Q75	4	-4	0	7	-1	-3	2	3	1	5	8
Q50	10	-4	6	12	4	-1	14	10	4	14	16
Q25	1	-3	3	3	1	1	0	1	-1	0	1
Q5	-8	-2	-5	-7	-6	-3	-8	-3	-7	-10	-8
RP2	-6	-9	-5	-1	-5	-9	-6	-3	-2	-3	-8
RP10	-9	-19	-15	-9	-12	-21	-15	-12	-4	-11	-13

Climate change graphs for 2050s

