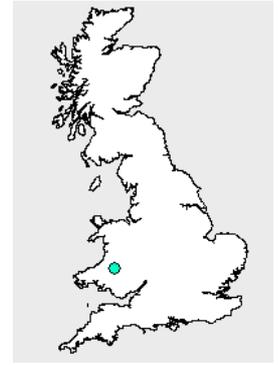


General Information

River Name	Irfon	Catchment Area (km ²)	73
Station Name	Abernant	SAAR (mm) 61-90	1842
Station Number	55004	Mean Annual Rain (mm) 62-91	1847
Grid Reference	SN892460	Mean Annual PE (mm) 62-91	527
EA Region	EA-W	Observed flow record	1962 to 1982



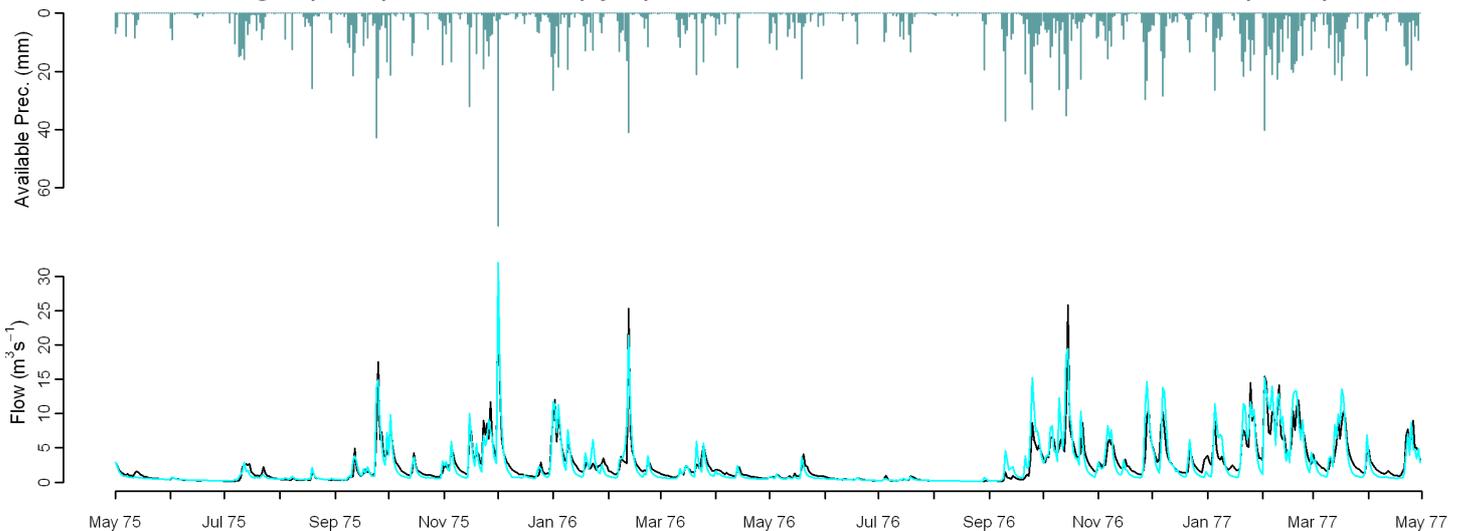
Observed Data

Comparison of gauged and simulated flow

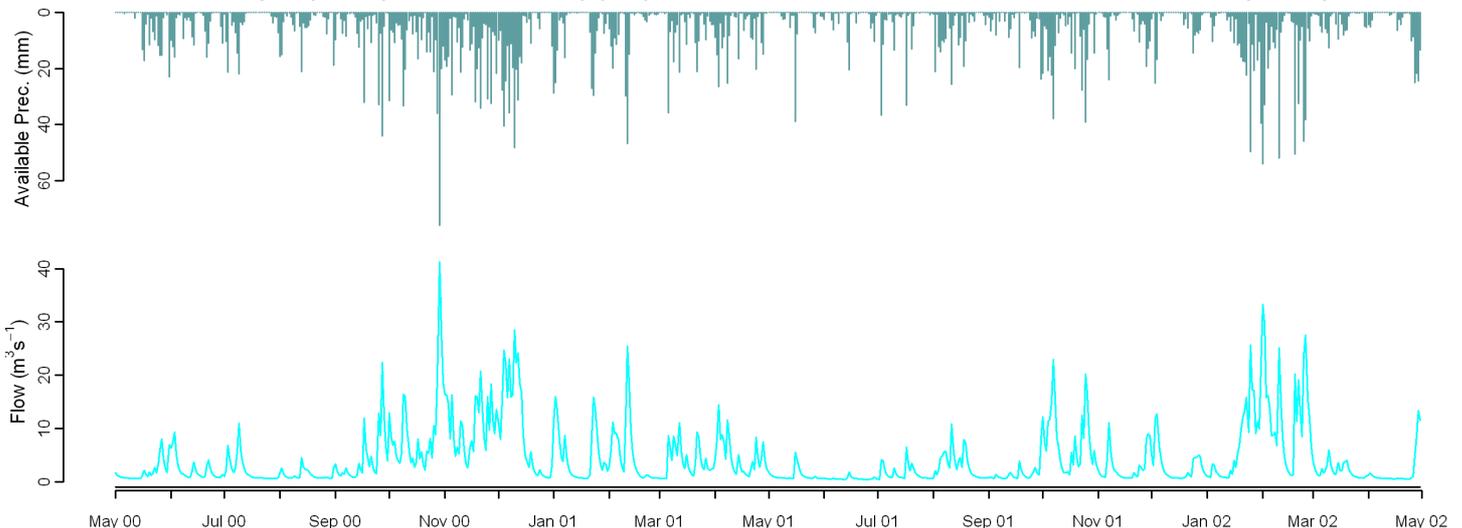
Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-8.0	-0.2	-3.9	-7.5	-16.5	-24.1	-19.1	-23.5	-14.8	-0.8	-6.6	-7.1	-7.5	0.81
Performance Band	1	1	1	1	2	2	2	2	1	1	1	1	1	1
MORECS (1962-1991)	-5.7	-0.1	-4.3	-7.3	-13.1	-20.4	-17.5	-18.2	-6.9	3.5	-5.6	-3.4	-6.7	0.79
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	6.3	-25.0	-37.0	-10.6	10.5									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	-4.3	-31.2	-37.5	-8.0	10.3									

Gauged (black) and simulated (cyan) flows from observed climate - Irfon at Abernant (55004)

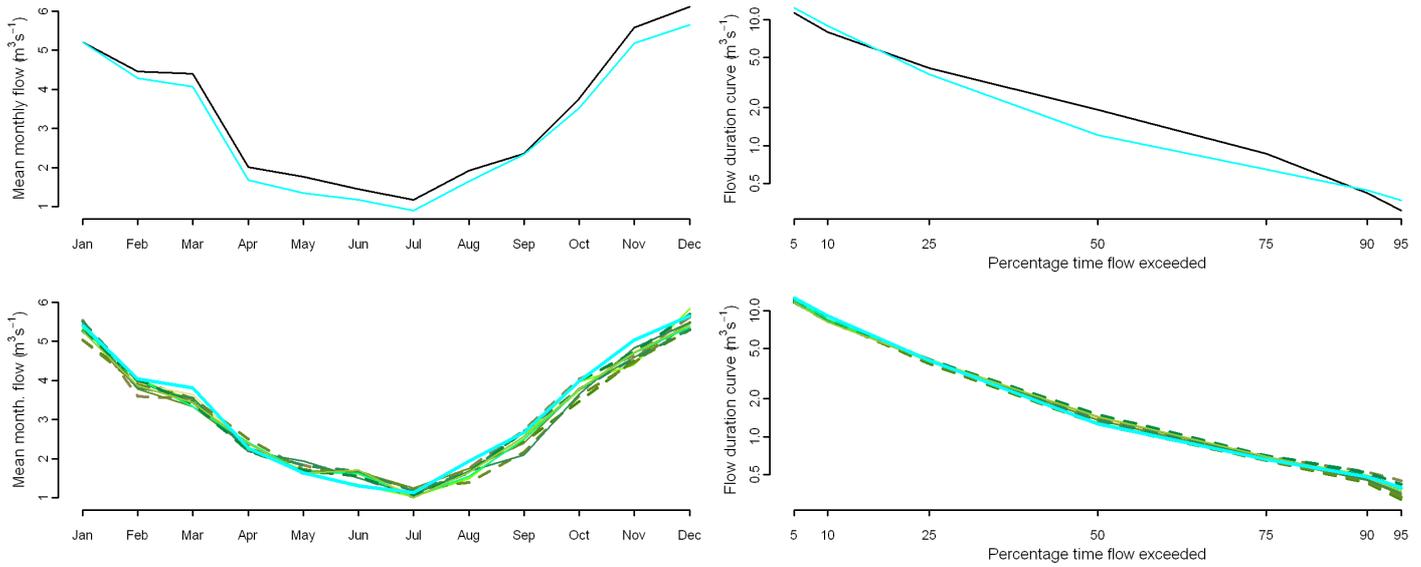


Gauged (black) and simulated (cyan) flows from observed climate - Irfon at Abernant (55004)



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

Gauged (black), simulated from obs. (cyan) and mod. (green) climate - Top 1971-2005 bottom 1962-1991 - Irfon at Abernant (55004)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-2	-4	-1	0	-2	-4	-3	-1	-3	-2	-2
January	0	-7	5	1	1	-3	-1	4	-2	-6	1
April	-3	0	-1	5	-1	9	0	3	2	-3	4
July	-10	0	7	-7	2	12	-3	2	-8	-11	-13
October	0	-5	-9	3	-6	-6	-1	-4	-3	1	-5
Q90	2	-11	-4	11	-9	-9	-8	3	-1	6	0
Q75	4	-2	3	6	-1	-2	3	3	0	6	5
Q50	10	1	10	12	6	2	15	8	2	18	14
Q25	-1	-5	2	4	-1	-3	0	1	-2	1	1
Q5	-6	-5	-5	-6	-7	-5	-9	-3	-6	-9	-7
RP2	-8	-4	-5	0	-2	-5	-4	-6	-5	1	-4
RP10	-1	-3	-1	2	1	-7	-2	-1	9	1	3

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Irfon at Abernant (55004)

