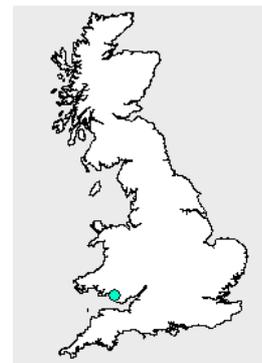


## General Information

River Name	Llynfi	Catchment Area (km <sup>2</sup> )	50
Station Name	Coytrahen	SAAR (mm) 61-90	1769
Station Number	58007	Mean Annual Rain (mm) 62-91	1781
Grid Reference	SS891855	Mean Annual PE (mm) 62-91	614
EA Region	EA-W	Observed flow record	1970 to 2005



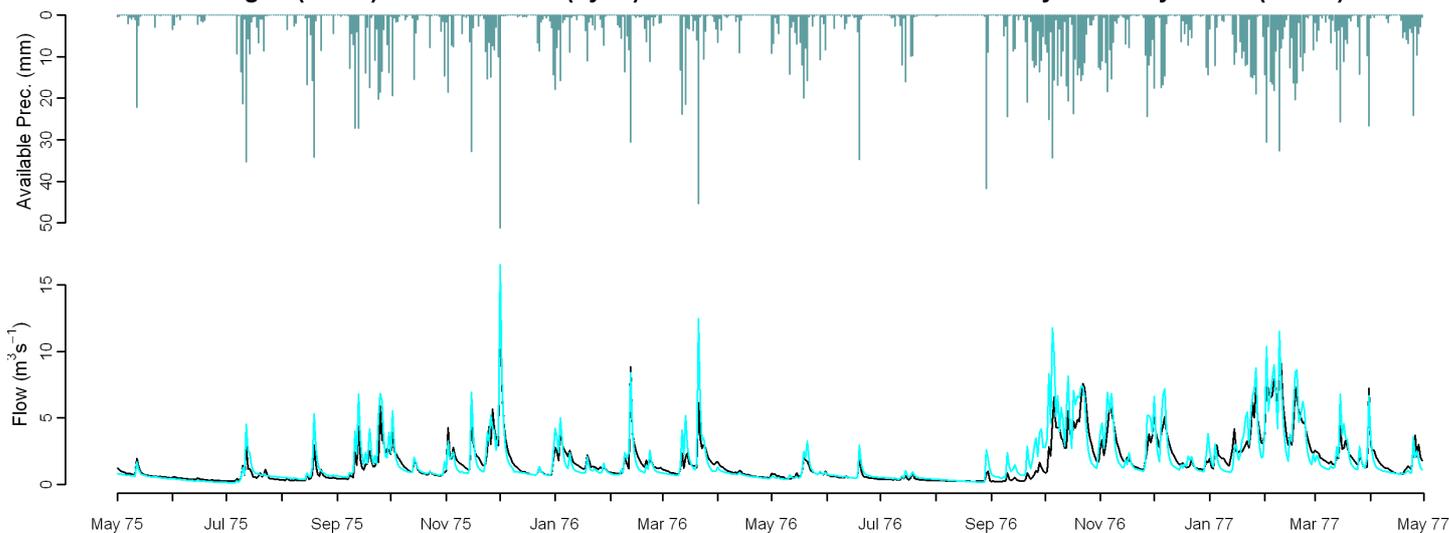
## Observed Data

## Comparison of gauged and simulated flow

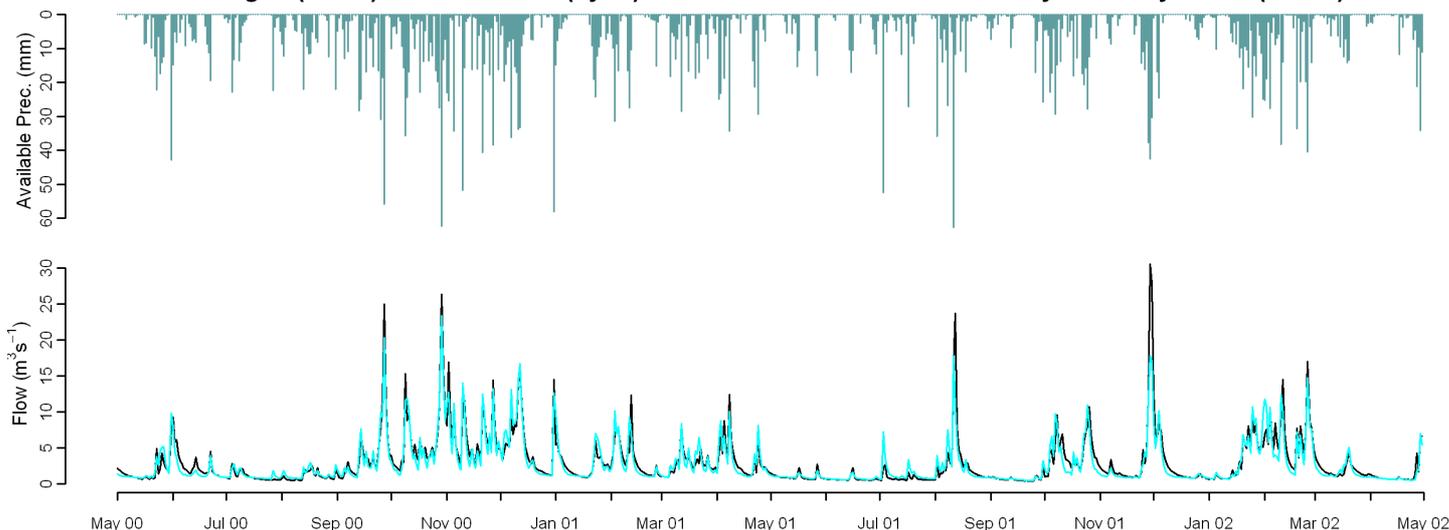
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-1.3	-0.1	-4.6	-8.9	-11.4	-6.2	-5.6	1.6	8.3	12.6	5.6	-1.7	-1.7	0.80
Performance Band	1	1	1	1	2	2	1	1	2	2	1	1	1	1
MORECS (1962-1991)	1.4	1.0	-1.7	-6.1	-12.0	-7.8	-1.2	2.3	9.7	24.7	7.1	-0.1	0.8	0.80
	Q90	Q75	Q50	Q25	Q5	RP2		RP5		RP10		RP20		
MORECS (1971-2005)	9.9	5.6	-17.4	-9.5	13.9									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	9.8	6.4	-17.0	-7.6	16.2									

Gauged (black) and simulated (cyan) flows from observed climate - Llynfi at Coytrahen (58007)

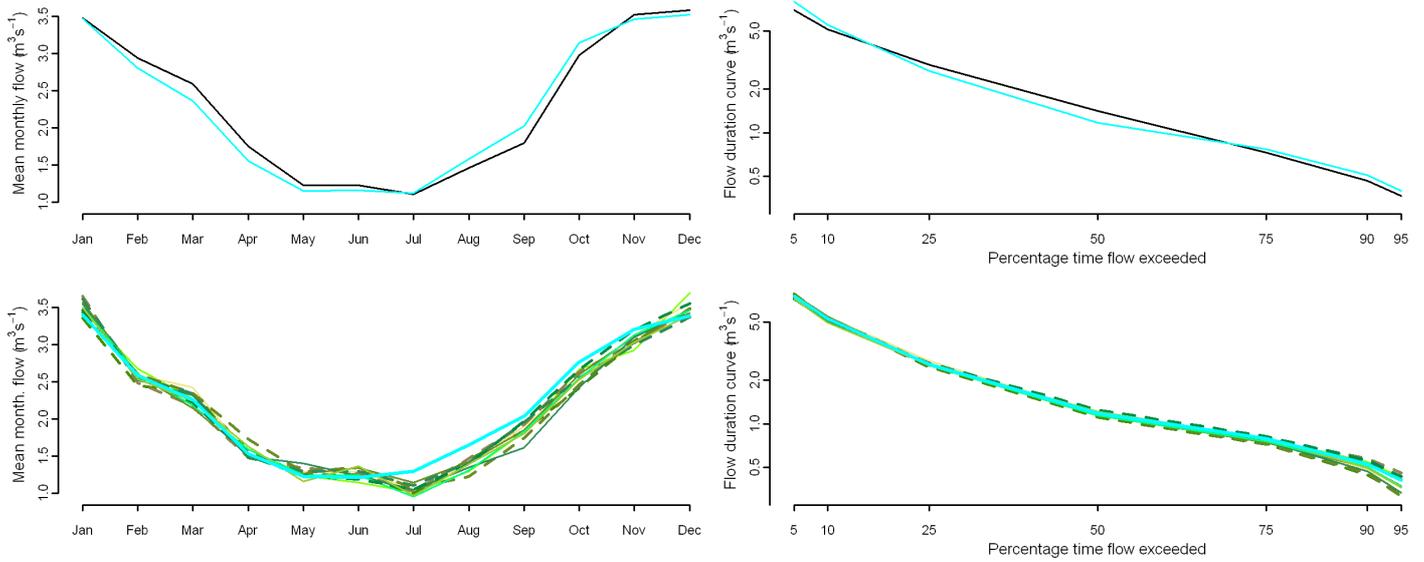


Gauged (black) and simulated (cyan) flows from observed climate - Llynfi at Coytrahen (58007)



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 - Llynfi at Coytrahen (58007)



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

	afgcx	afixa	afixc	afixh	afixi	afixj	afixk	afixl	afixm	afixo	afixq
Annual	-1	-2	0	0	-2	-1	-3	-1	-3	-2	-2
January	3	-1	8	6	5	4	3	8	3	0	6
April	-1	-1	0	3	1	13	2	0	0	-1	6
July	-22	-18	-13	-17	-17	-14	-19	-11	-25	-22	-25
October	-3	-4	-10	-2	-9	-6	-5	-7	-5	-2	-8
Q90	4	-17	-8	11	-10	-15	-13	2	-6	3	-5
Q75	0	-10	-4	2	-8	-9	-5	0	-6	1	-1
Q50	1	-6	0	3	-4	-3	2	2	-4	4	1
Q25	0	-4	5	0	-3	1	0	2	-3	1	-1
Q5	-3	4	-1	-1	1	2	-4	2	-1	-5	-3
RP2	1	5	2	7	0	-5	4	-4	9	3	5
RP10	1	-1	-1	3	-4	-7	-1	-4	10	-3	-2

Climate change graphs for 2050s

Change between future (2040-2069) and control (1961-1990) simulated flow (green) - Llynfi at Coytrahen (58007)

