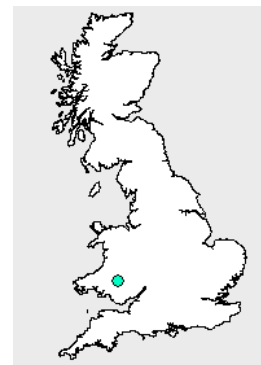


## General Information

River Name	Yscir	Catchment Area (km2)	63
Station Name	Pontaryscir	SAAR (mm) 61-90	1298
Station Number	56013	Mean Annual Rain (mm) 62-91	1295
Grid Reference	SO003304	Mean Annual PE (mm) 62-91	550
EA Region	EA-W	Observed flow record	1972 to 2006



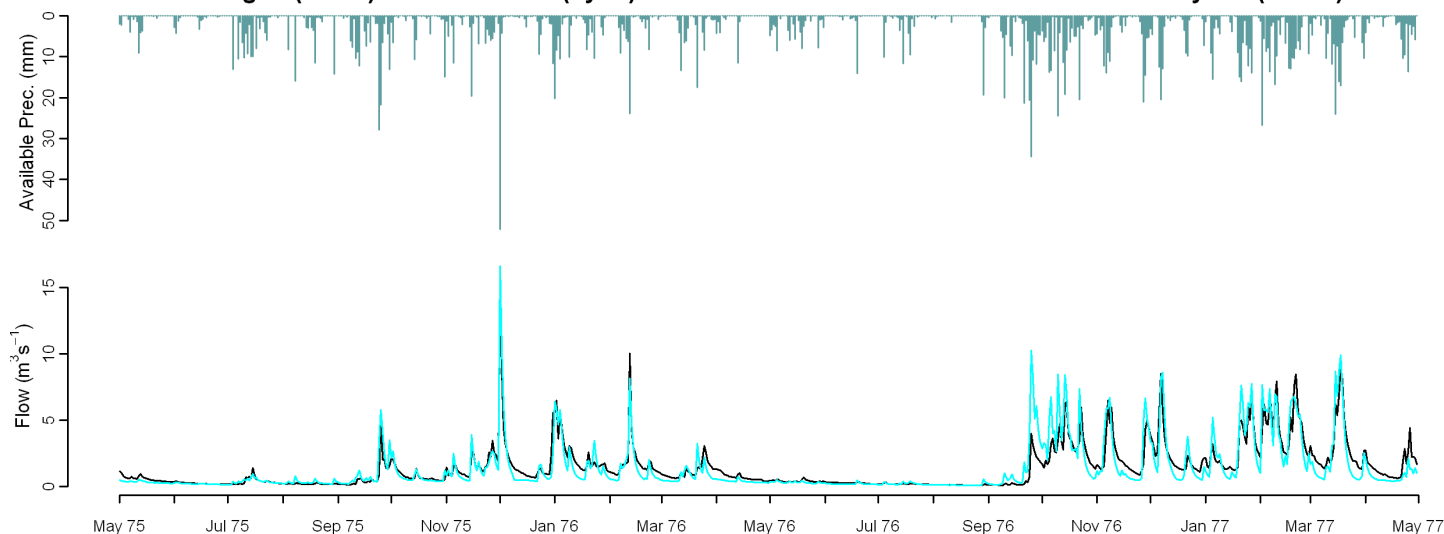
## Observed Data

## Comparison of gauged and simulated flow

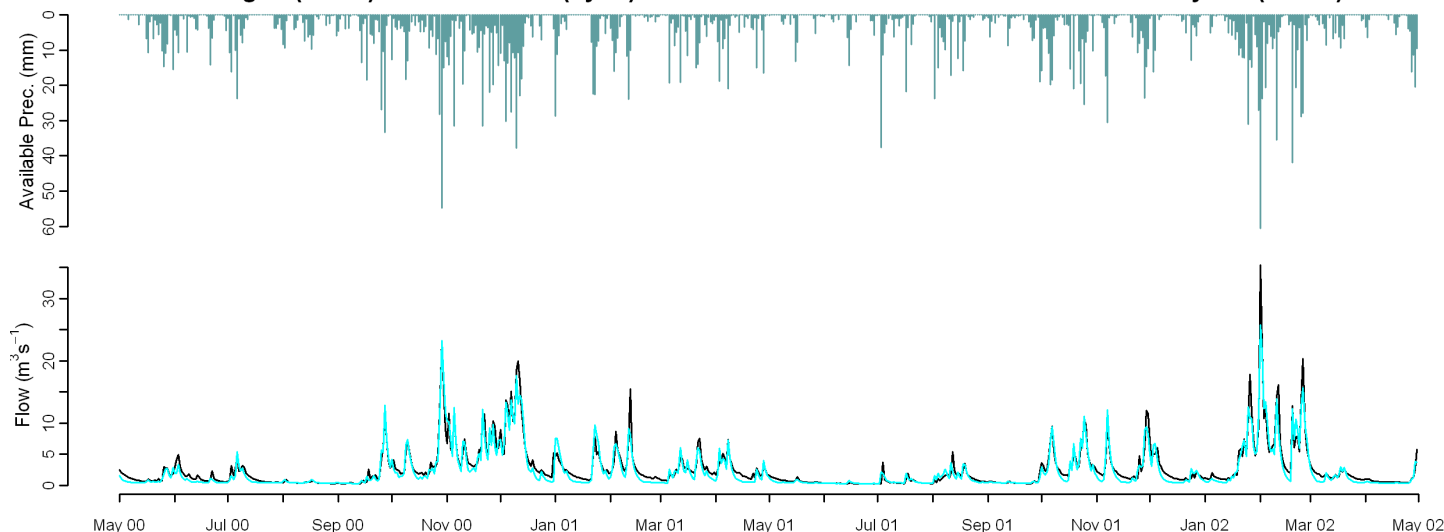
## Model used: CERF

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-8.0	-7.9	-12.9	-15.3	-23.0	-29.1	-23.2	-5.4	13.9	13.8	3.9	-4.1	-6.4	0.84
Performance Band	1	1	2	2	2	3	2	1	2	2	1	1	1	1
MORECS (1962-1991)	-8.2	-7.2	-13.0	-12.6	-27.6	-30.2	-24.2	-10.1	6.2	20.0	3.3	-4.9	-6.5	0.82
	Q90	Q75	Q50	Q25	Q5	RP2	RP5	RP10	RP20					
MORECS (1971-2005)	6.0	-17.3	-41.9	-16.1	11.0									
Performance Band	1	1	1	1	1									
MORECS (1962-1991)	5.9	-17.6	-42.1	-15.4	12.5									

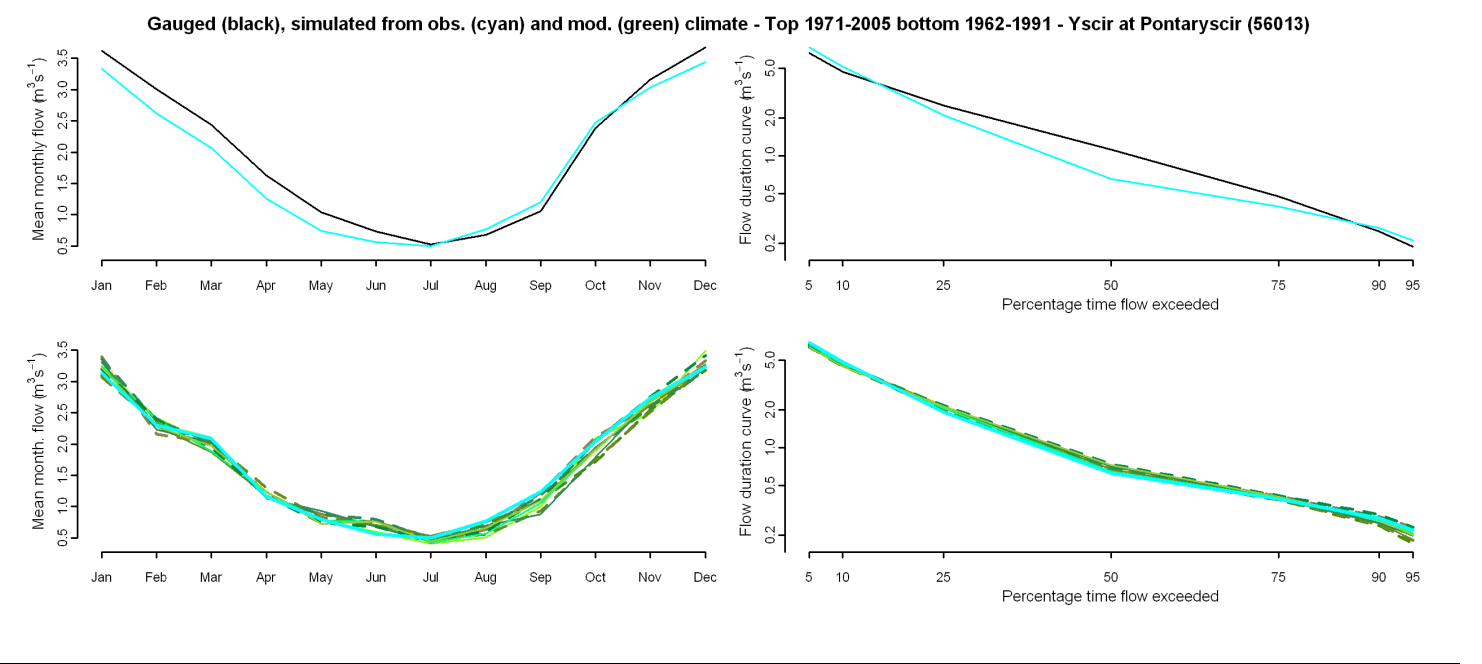
Gauged (black) and simulated (cyan) flows from observed climate - Yscir at Pontaryscir (56013)



Gauged (black) and simulated (cyan) flows from observed climate - Yscir at Pontaryscir (56013)



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	0	-2	1	3	0	-2	-1	1	-1	0	0
January	5	-1	11	6	6	1	4	9	2	-1	7
April	-1	2	1	9	1	13	1	3	3	0	6
July	-17	-4	2	-13	0	6	-9	-5	-15	-10	-12
October	2	-9	-11	6	-8	-10	-4	-4	-5	2	-7
Q90	-2	-13	-2	4	-12	-13	-8	4	-5	4	-2
Q75	2	-3	4	6	-1	-2	1	5	1	6	4
Q50	9	3	12	14	6	5	15	12	3	18	14
Q25	10	3	12	14	9	6	11	12	7	12	10
Q5	-5	-4	-4	-4	-6	-5	-8	-2	-6	-9	-8
RP2	-11	-3	-5	2	-5	-7	-8	-7	-2	-1	-7
RP10	-9	0	-6	2	-2	-7	-4	-1	12	2	2

Climate change graphs for 2050s

