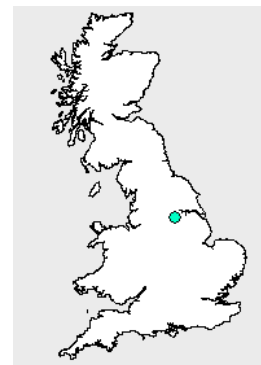


General Information

River Name	Don	Catchment Area (km2)	1256
Station Name	Doncaster	SAAR (mm) 61-90	801
Station Number	27021	Mean Annual Rain (mm) 62-91	806
Grid Reference	SE570040	Mean Annual PE (mm) 62-91	570
EA Region	EA-NE	Observed flow record	1961 to 2005



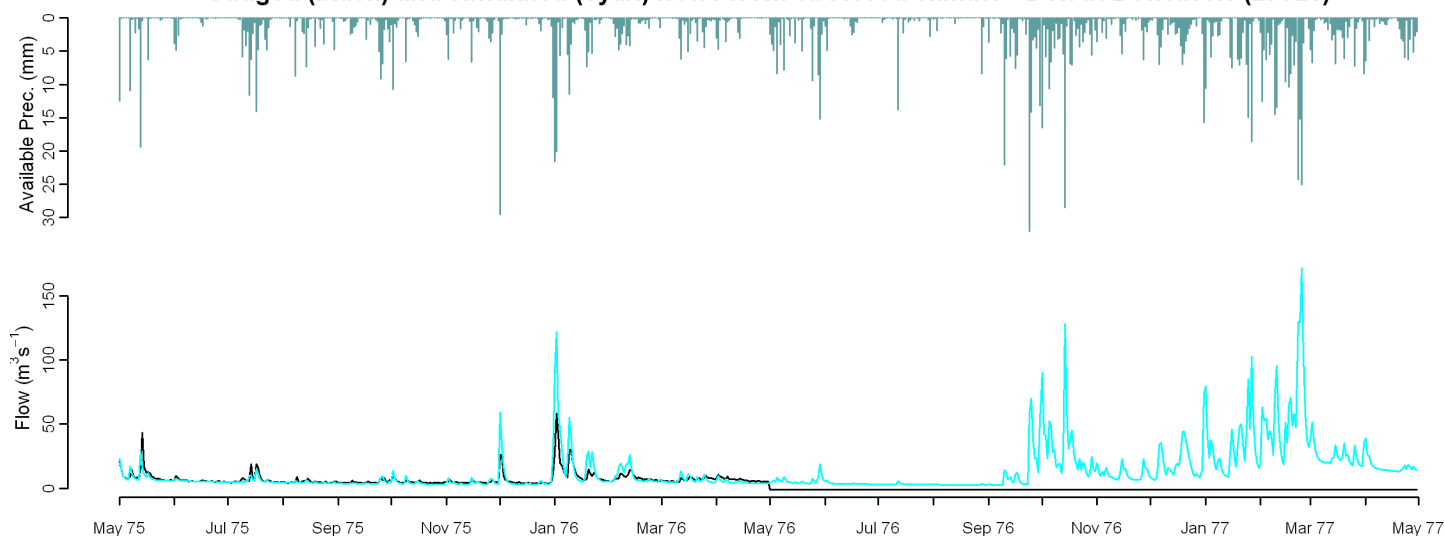
Observed Data

Comparison of gauged and simulated flow

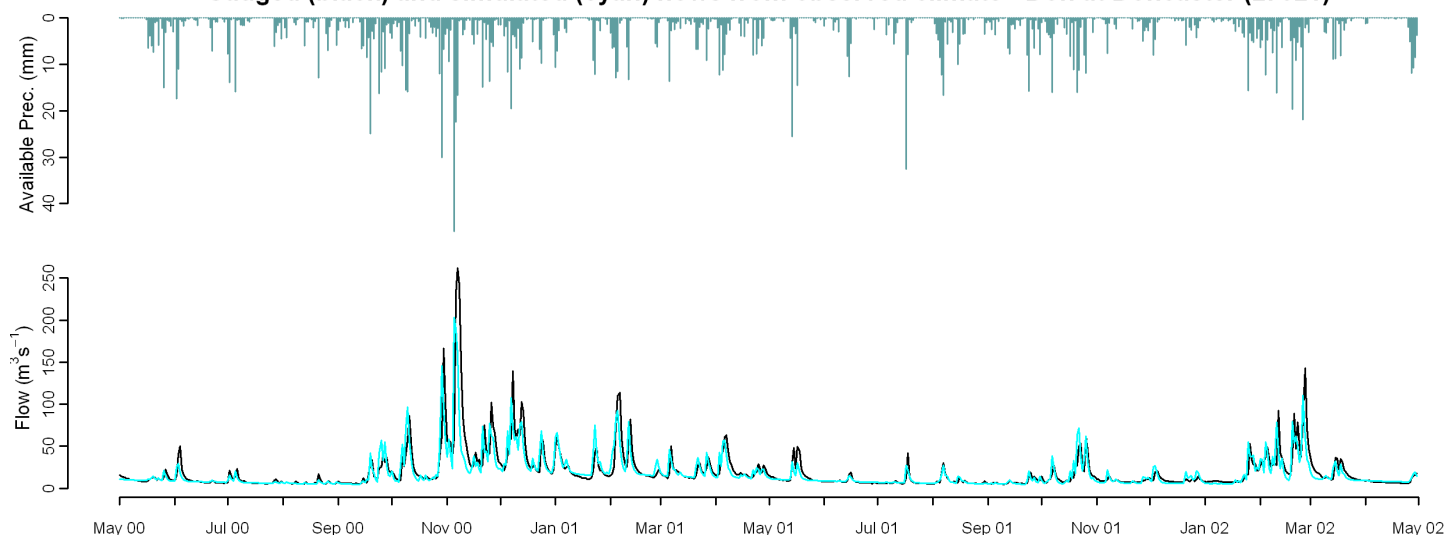
Model used: PDM

	Mean Annual	J	F	M	A	M	J	J	A	S	O	N	D	Nash Sutcliffe
MORECS (1971-2005)	-3.0	-1.5	-4.3	-7.7	-13.1	-9.8	-9.5	-6.7	-3.8	1.1	5.3	6.1	3.1	0.62
Performance Band	1	1	1	1	2	1	1	1	1	1	1	1	1	2
FAO (1962-1991)	-0.6	2.0	-4.3	-9.8	-12.3	-9.0	-6.7	-5.5	-1.6	2.2	10.6	18.4	9.0	0.60
	Q90	Q75	Q50	Q25	Q5	RP2			RP5	RP10	RP20			
MORECS (1971-2005)	-12.2	-8.6	-5.1	-2.2	2.1	-7.3			-5.3	-2.5	1.2			
Performance Band	1	1	1	1	1									
FAO (1962-1991)	-14.8	-9.5	-3.9	-0.3	5.3	1.3			1.1	5.2	11.5			

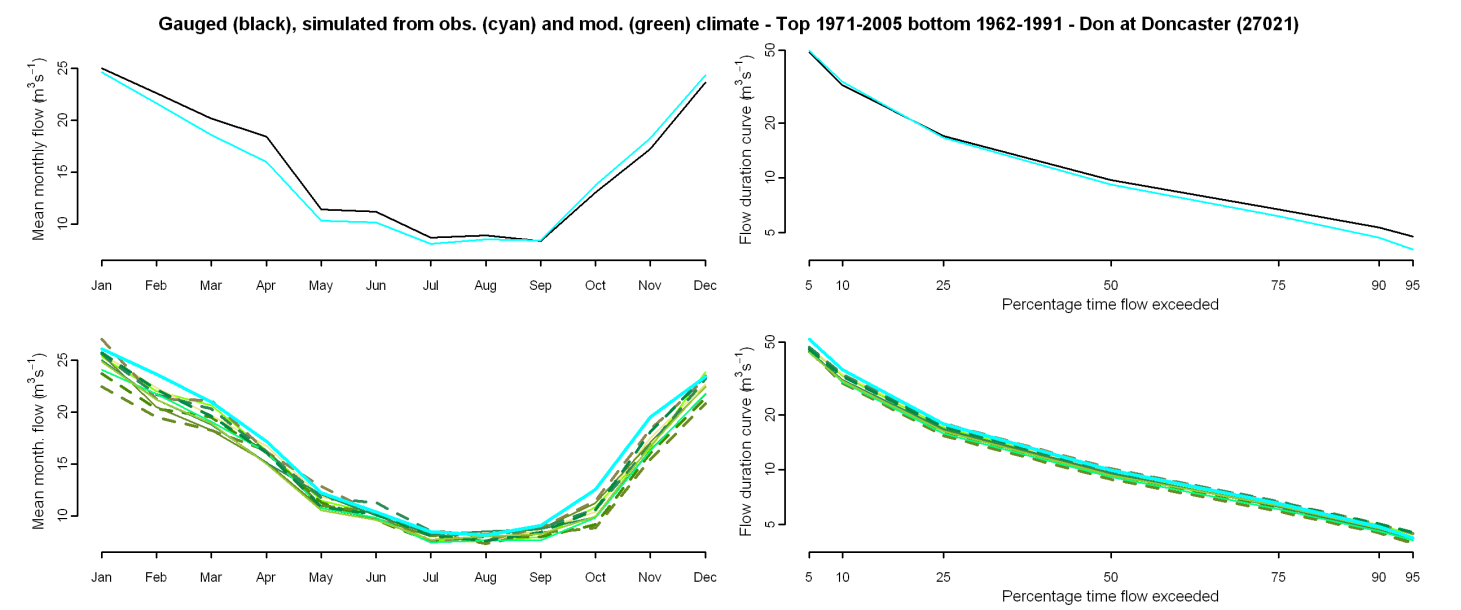
Gauged (black) and simulated (cyan) flows from observed climate - Don at Doncaster (27021)



Gauged (black) and simulated (cyan) flows from observed climate - Don at Doncaster (27021)



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	-5	-11	-4	-1	-8	-12	-9	-4	-11	-5	-10
January	0	-10	3	6	1	-10	-4	3	-6	-1	-3
April	-5	-14	1	-4	-14	-7	-15	-7	-8	-7	-13
July	-10	-7	-2	-9	-6	-4	-4	-2	-15	-6	-10
October	-14	-27	-17	-4	-14	-28	-19	-16	-26	-16	-10
Q90	3	-7	-1	5	-5	-8	-5	-1	-6	3	-3
Q75	0	-6	-2	3	-4	-9	-5	3	-7	1	-4
Q50	-2	-8	-2	4	-6	-11	-4	1	-9	-1	-6
Q25	-4	-13	0	3	-8	-13	-7	-2	-12	-3	-10
Q5	-10	-15	-9	-9	-14	-14	-15	-8	-15	-12	-17
RP2	-11	-6	-8	-5	1	-2	-3	-2	-2	-3	-6
RP10	-9	1	-17	-1	4	-6	-8	-12	6	-9	-6

Climate change graphs for 2050s

