

# **Monsoons in a changing world: a regional perspective in a global context**

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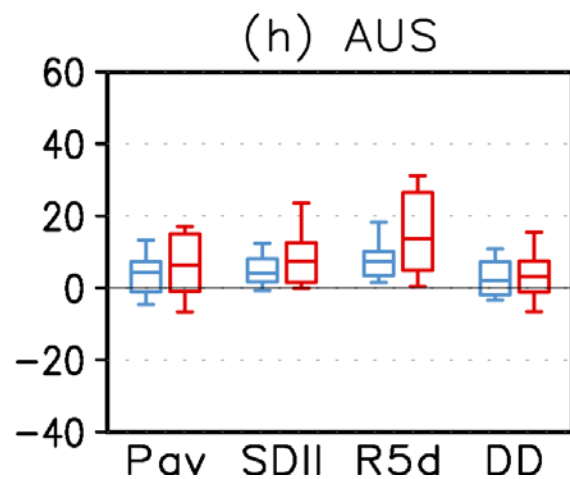
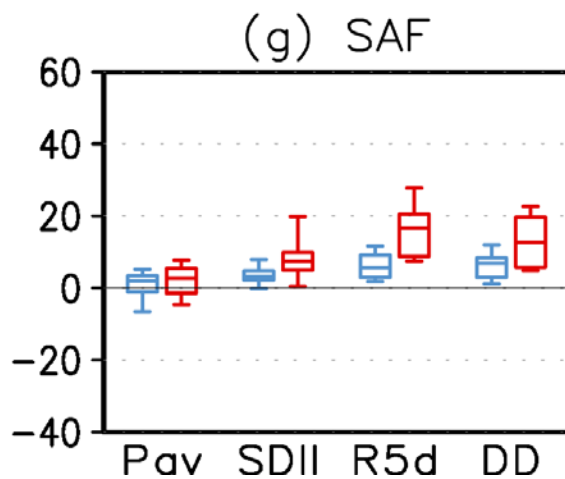
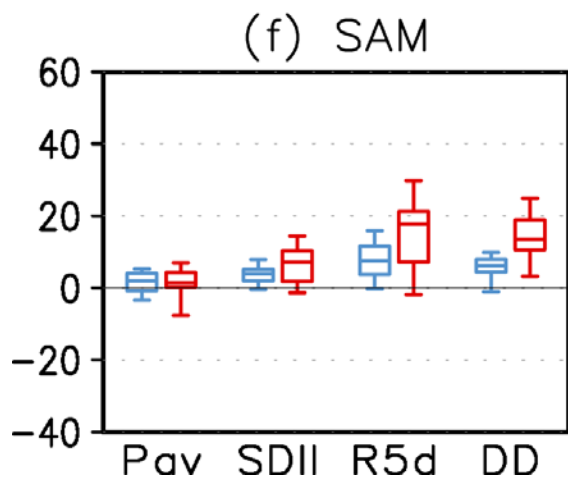
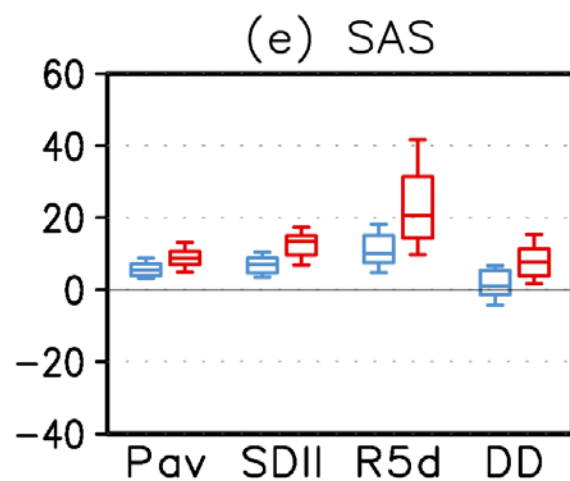
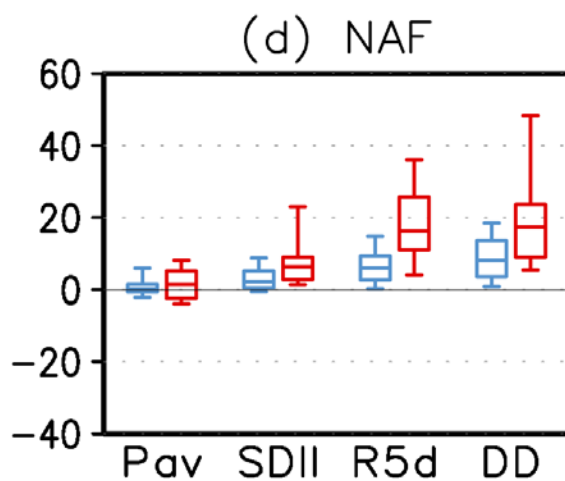
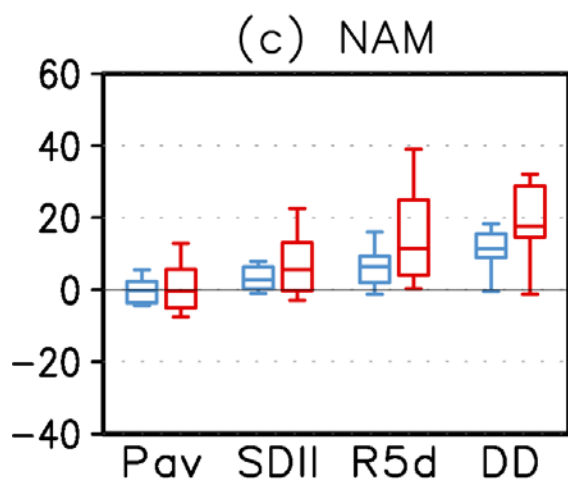
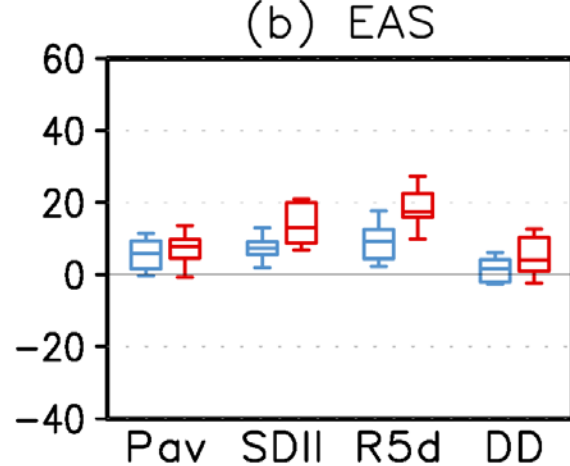
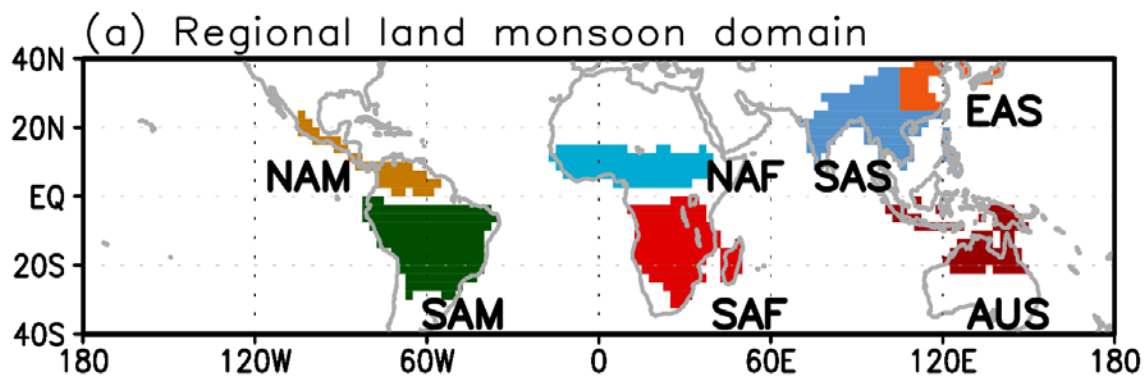
Tianjun Zhou

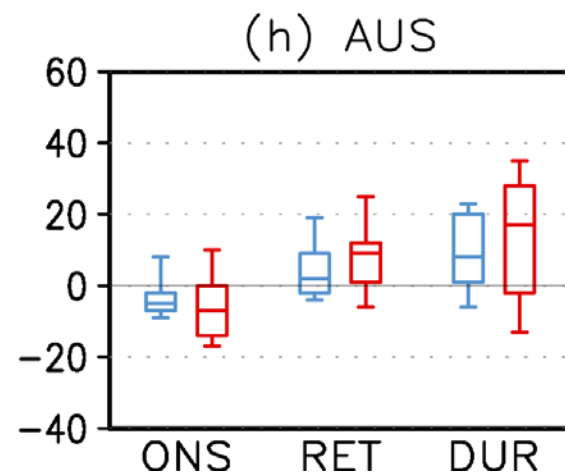
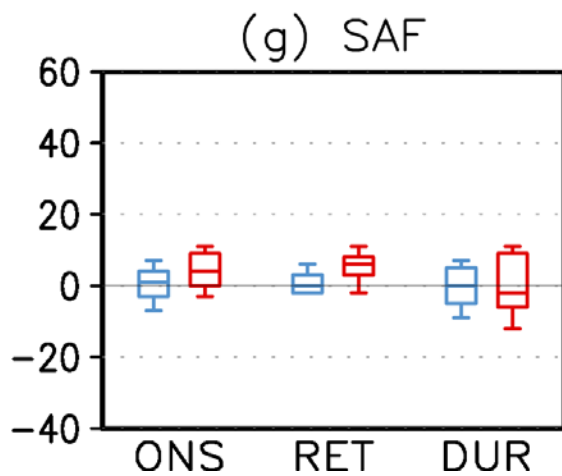
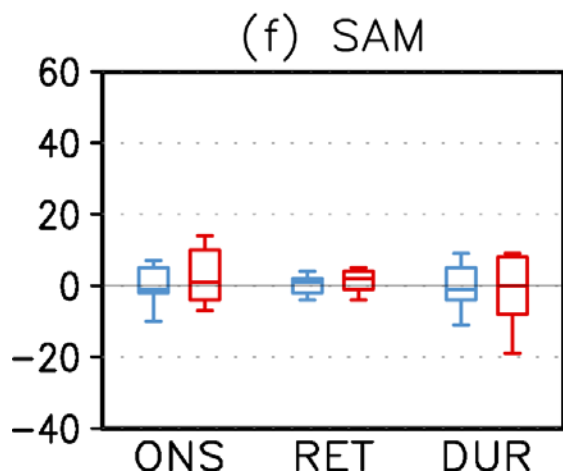
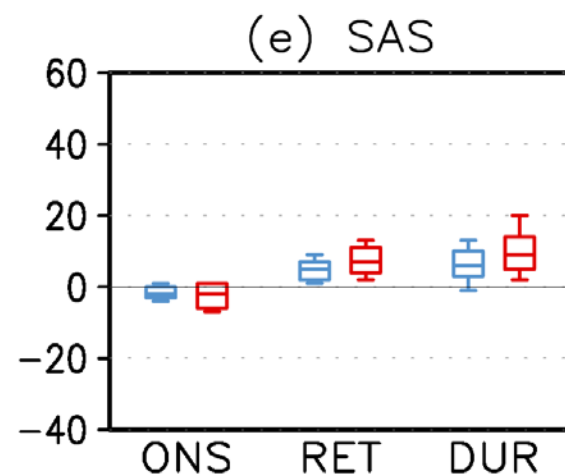
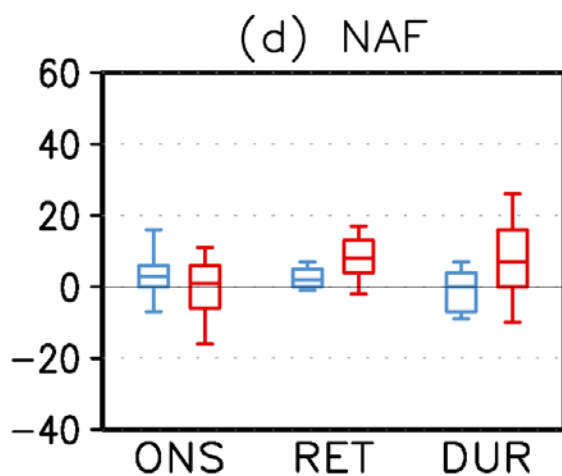
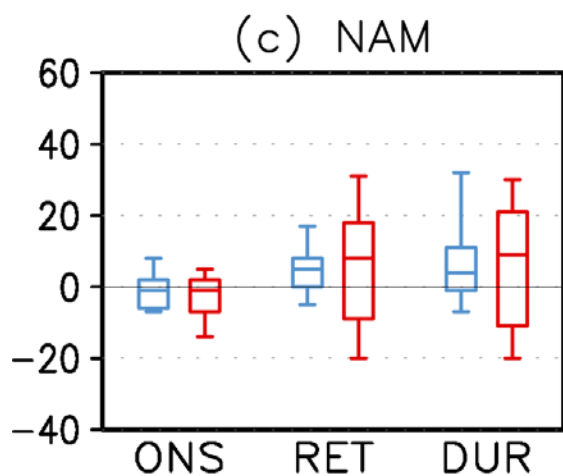
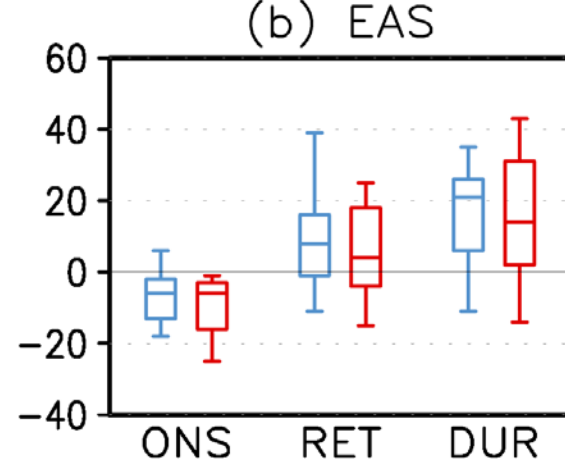
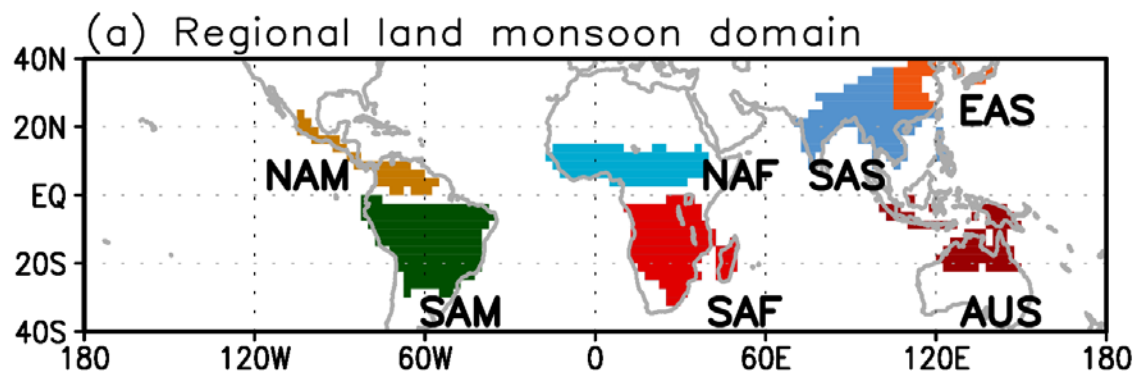
29 CMIP5 models for monthly outputs

21 CMIP5 models for daily outputs

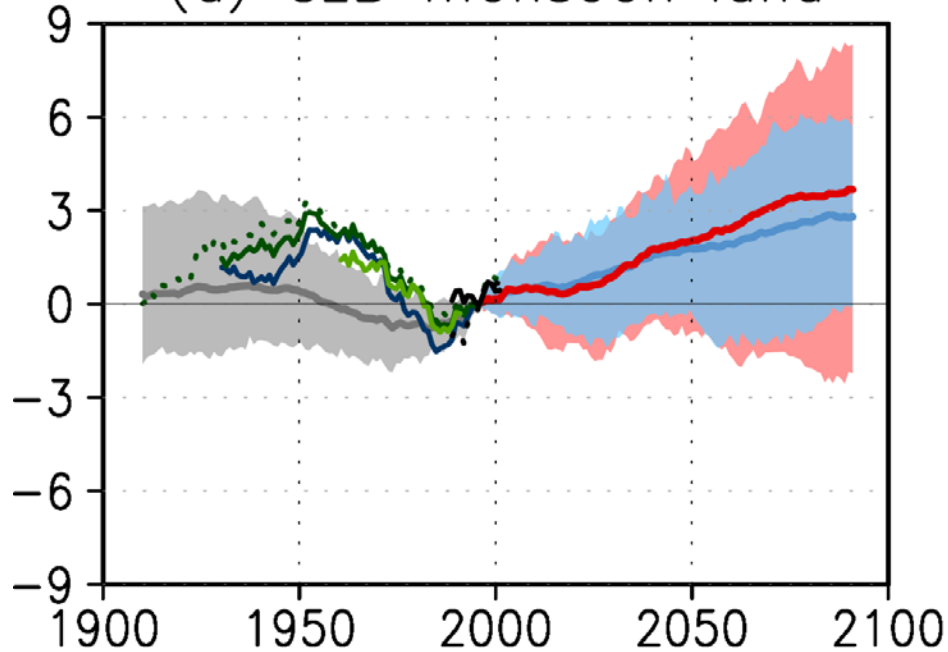
Historical, RCP4.5 & RCP8.5

Model ID	Institute ID	Country	Horizontal		Monthly	Daily
ACCESS1-0	CAWCR	Australia	192x145	1.875x1.25	✓	✓
ACCESS1-3	CAWCR	Australia	192x145	1.875x1.25	✓	
bcc-csm1-1	BCC	China	128x64	T42	✓	✓
CanESM2	CCCMA	Canada	128x64	T63(TL63)	✓	✓
CCSM4	NCAR	USA	288x192	0.9x1.25_gx1v6	✓	✓
CESM1-BGC	NCAR	USA	288x192	0.9x1.25_gx1v6	✓	✓
CESM1-CAM5	NCAR	USA	288x192	0.9x1.25_gx1v6	✓	
CNRM-CM5	CNRM/CERFACS	France	256x128	TL127	✓	✓
CSIRO-Mk3-6-0	CSIRO/QCCCE	Australia	192x96	T63	✓	✓
FGOALS-g2	LASG/IAP	China	128x60	2.8x2.8	✓	
FGOALS-s2	LASG/IAP	China	128x108	2.8x1.66	✓	✓
GFDL-CM3	GFDL	USA	144x90	2.5x2	✓	
GFDL-ESM2G	GFDL	USA	144x90	2.5x2	✓	✓
GFDL-ESM2M	GFDL	USA	144x90	2.5x2	✓	✓
GISS-E2-R	GISS	USA	144x90	2.5x2	✓	
HadGEM2-CC	MOHC	UK	192x145	1.875x1.25	✓	
HadGEM2-ES	MOHC	UK	192x145	1.875x1.25	✓	
INM-CM4	INM	Russia	180x120	2x1.5	✓	✓
IPSL-CM5A-LR	IPSL	France	96x96	3.75x1.89474	✓	✓
IPSL-CM5A-MR	IPSL	France	144x143	2.5x1.267606	✓	✓
IPSL-CM5B-LR	IPSL	France	96x96	3.75x1.89474	✓	✓
MIROC-ESM	MIROC	Japan	128x64	T42	✓	✓
MIROC-ESM-CHEM	MIROC	Japan	128x64	T42	✓	✓
MIROC5	MIROC	Japan	256x128	T85	✓	✓
MPI-ESM-LR	MPI-M	Germany	192x96	T63	✓	✓
MPI-ESM-MR	MPI-M	Germany	192x96	T63	✓	✓
MRI-CGCM3	MRI	Japan	320x160	TL159	✓	✓
NorESM1-M	NCC	Norway	144x96	f19(2.5x1.89474)	✓	✓
NorESM1-ME	NCC	Norway	144x96	f19(2.5x1.89474)	✓	

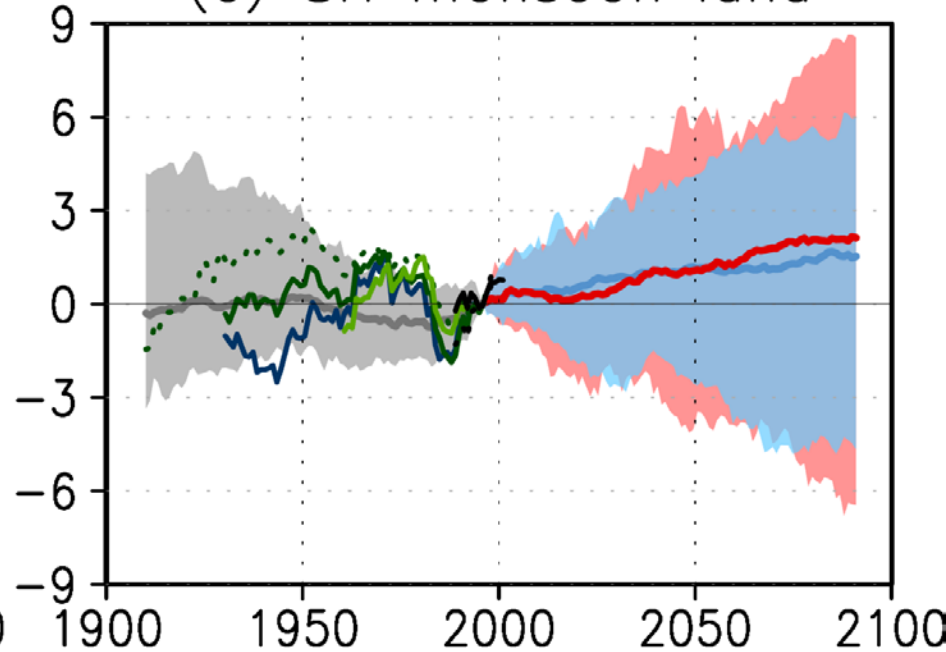




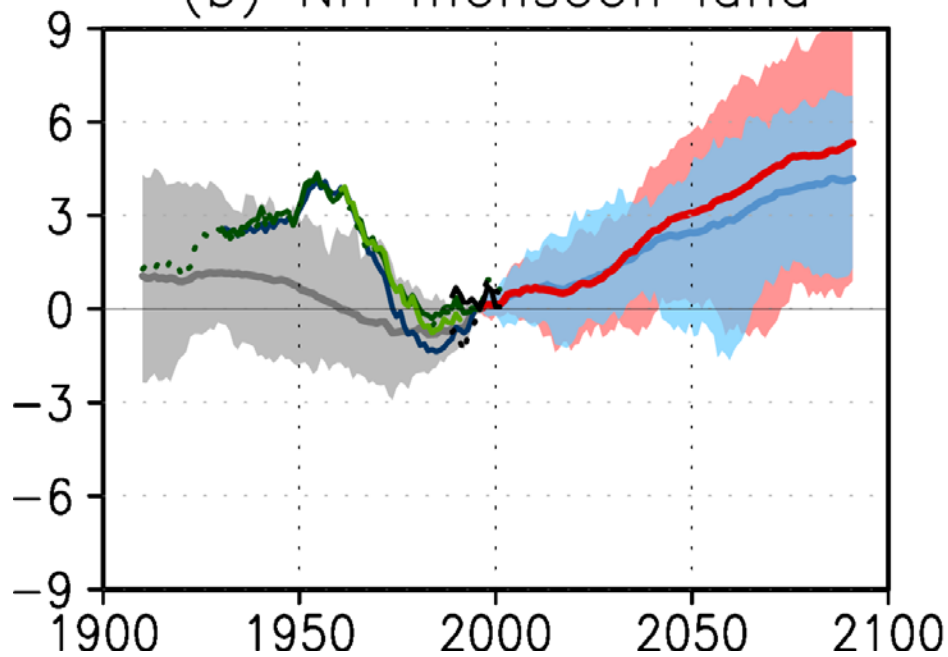
(a) GLB monsoon land



(c) SH monsoon land



(b) NH monsoon land



(d) GLB monsoon ocean

