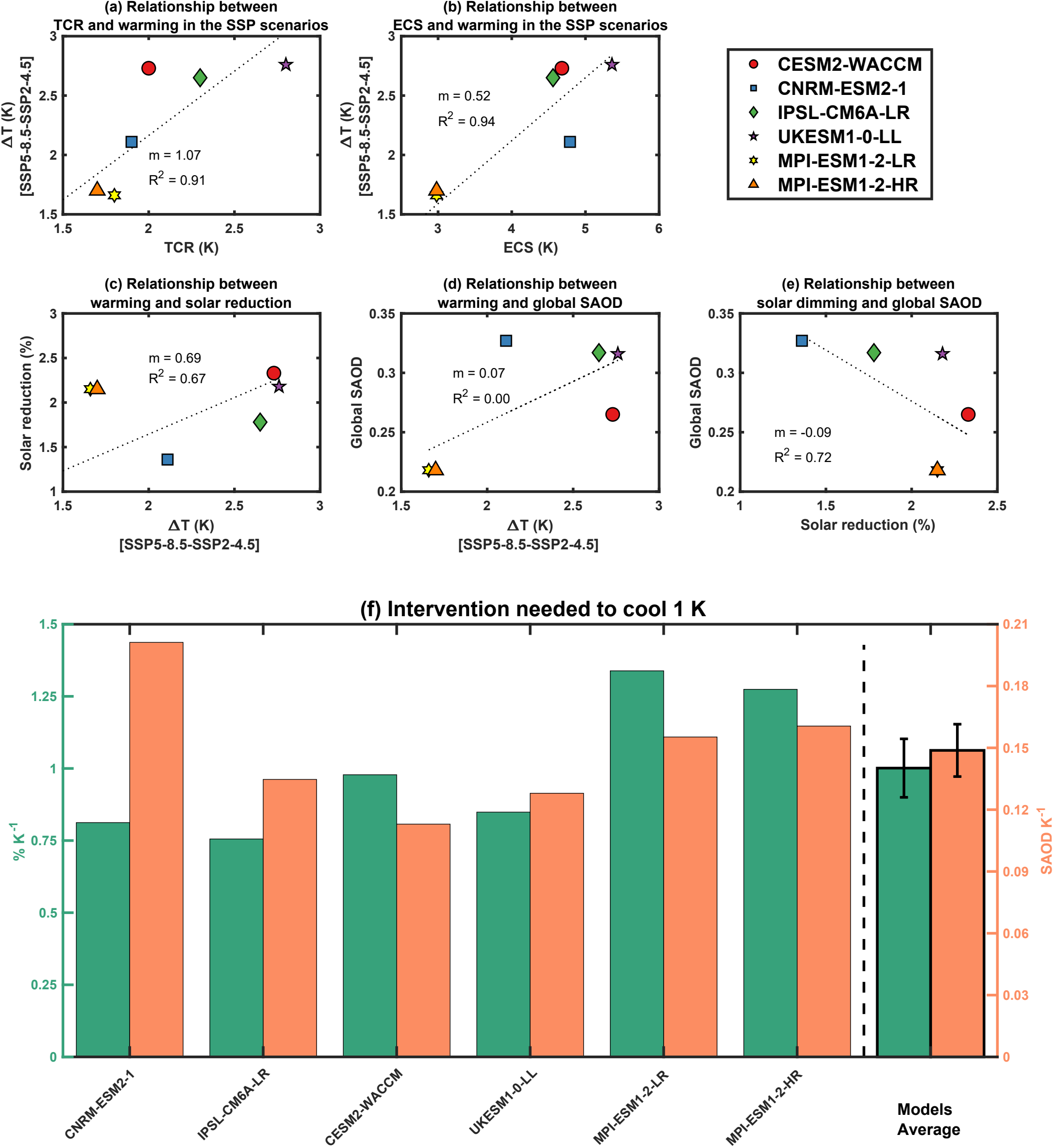
(a) Relationship between TCR and warming in the SSP scenarios
ΔT (K) [SSP5-8.5-SSP2-4.5]
TCR (K)
m = 1.07
R2 = 0.91
(b) Relationship between ECS and warming in the SSP scenarios
ΔT (K) [SSP5-8.5-SSP2-4.5]
ECS (K)
m = 0.52
R2 = 0.94
CESM2-WACCM
CNRM-ESM2-1
IPSL-CM6A-LR
UKESM1-0-LL
MPI-ESM1-2-LR
MPI-ESM1-2-HR
(c) Relationship between warming and solar reduction
Solar reduction (%)
ΔT (K) [SSP5-8.5-SSP2-4.5]
m = 0.69
R2 = 0.67
(d) Relationship between warming and global SAOD
Global SAOD
ΔT (K) [SSP5-8.5-SSP2-4.5]
m = 0.07
R2 = 0.00
(e) Relationship between solar dimming and global SAOD
Global SAOD
Solar reduction (%)
m = -0.09
R2 = 0.72
(f) Intervention needed to cool 1 K
% K-1
SAOD K-1
CNRM-ESM2-1
IPSL-CM6A-LR
CESM2-WACCM
UKESM1-0-LL
MPI-ESM1-2-LR
MPI-ESM1-2-HR
Models Average