

Allegato B

CMCC Models

Model Name	Division	Coupled/ Stand- alone	Resolution	Global/Regional	Developers	Production/ Under development	Architectures	Exec Time on IBM PW6
NEMO	ANS	Stand- alone	1/4°	Global	NEMO Consortium + CMCC	Production	NEC-SX9 and IBM PW 6	1 month/1h2' (on 256 cores with SMT OFF)
NEMO-MED	ANS	Stand- alone	1/16°	Regional (mediterranean basin)	NEMO Consortium + CMCC		NEC-SX9 and IBM PW 6	1 month/54' (on 136 cores with SMT ON)
NEMO-BFM (Biogeochemical Flux Model)	ANS	Coupled	° NEMO (1/4°)	Global	NEMO Consortium + CMCC	Under development	IBM PW 6	1day/28h(o n 39 cores on 13 nodes)
COSMO-CLM	ISC	Stand- alone	8 km (CLUVA)	Regional	NA	Production	IBM PW 6	1year/23h (on 512 cores with SMT ON)