interim\_10d + 0.878.830.849.519.824.818.750.820.824.239.253.290.583.269.2280.270.210.790.012.828.063.042.832.806.810.780.615.582.490.574.442.790.789.759.766 1 interim\_10d-0.97**4**.980.96**6**.97**9**.9630.970.960.960.96**9**.95**3**.97**4**.960.940.960.95**5**.97**4**.968.964 **)**.97**0**.97**0**.97**5**.95**9**.97**4**.96**4**.98**2**.96**9**.96**6**.96**3**.94**5**.95**5**.97**9** CMIP6Amon\_NorESM2.LMf1\_historical -0.832.852.796.650.829.850.875.875.874.393.403.430.590.418.380.413.366.869.1060.90.180.165.816.8170.890.740.850.808.675.769.653.799.890.911 1 0.76 CMIP6Amon\_NorESM2.LMf1\_historical -0.998.999.996.960.996.990.996.990.998.9980.920.940.936.980.920.910.963.949.990 .99**5**.99**6**.99**9**.98**3**.990.99**0**.98**6**.98**9**.95**0**.99**5**0.990.993 **1** 0.9 CMIP6Amon\_NorCPM1f1\_historical -0.782.749.7520.450.764.816.904.899.890.125.1380.170.505.1480.110.1370.090.884 CMIP6Amon\_NorCPM1f1\_historical -0.990.990.995.946.996.995.998.989.995.889.910.910.976.895.884.945.928.996 NorESM1.M-0.804.765.752.410.763.810.898.907.898.083.098.129.555.107.069.099.052.886 NorESM1.M - 0.990.989.996.944.990.990.996.994.995.888.908.900.9720.890.8870.950.932.990 .98**9**.98**8**.99**2**.9770.980.98**0**.97**8**.98**0**.93**0**.994 **1** 0.9960.990.945 MPI.ESM.LR -0.846.808.800.448.746.7670.890.897.8950.150.160.188.633.1760.140.1840.1340.896 3886 38906.902.8840.856.7150.7120.4866.6380.426 1 0.8580.830.799.79 MPI.ESM.LR -0.992.993.999.946.993.989.996.999.999.894.9160.910.983.894.894.894.953.936.996 **.999.998.998.994**.9750.980.9760.980.927 1 0.99**4**.99**2**.99**5**.96 CMIP6Amon\_MIROC6f1\_historical -0.518.590.4850.830.5540.5540.5540.5540.550.768.758.776.3060.770.7510.750.720.480.498.520.648.620.4340.4140.460.358.716.638.966.714 1 0.426.4540.500.658.442 CMIP6Amon\_MIROC6f1\_historical -0.948.959.936.990.950.950.956.930.929.938.990.990.990.880.980.980.980.988.980.98 0.930.92**5**.94**2**.90**4.973**.96**2.986**.9<mark>73 1 0</mark>.927.9310.930.950.96 CMIP6Amon\_MIROC.ES2Lf2\_historical -0.558.560.548.509.5840.620.7910.760.750.283.280.300.275.294.260.260.234.696.094.725.136.120.560.563.710.469.870.899.702 1 0.744.638.740.790.769.574 .97**9**.97**8**.98**0**.96**0**.99**5**.99**4**.991 1 0.9730.980.98**0**.98**0**.98**9**.9 CMIP6Amon\_MIROC.ES2Lf2\_historical - 0.990.990.980.970.990.990.980.980.980.980.980.980.950.950.950.950.940.930.978.960.990 MIROC5-0.566.649.525.854.596.582.565.552.5670.80.799.8170.362.8090.790.7970.5150.510.545.652.628.508.4770.488.4170.704.617 1 0.702.965.486.4620.510.675.49 MIROC5-0.98**2**.9910.98**0**.99**3**.98**5**.98**5**.98**5**.97**4**.97**6**.98**0**.96**8**.97**8**.97**4**.94**4**.96**6**.96**7**.99**2**.98**5**.98**1 )**.97**)**.97**3**.98**3**.96**0**.98**8**.98<mark>4 1 0.990.986</mark>.97**6**.97**3**.97**0**.98**6**.9 MIROC.ESM.CHEM -0.59\(\textit{D}.59\(\textit{D}.58\(\textit{D}.54\(\textit{D}.43\(\textit{D}.61\(\textit{D}.82\(\textit{D}.79\(\textit{D}.79\(\textit{D}.82\ **95.990.985.972.994.996.989.970.98**0.92**6**.942.944.95**9**.932.91**9**.962.95**2**.99 MIROC.ESM -0.655.668.616.568.6850.740.834.802.808.334.337.364.378.352.317.325.288.809.085.829.163.147.647.668.806.556 1 0.964.704.877.716.715.810.848.850.615 <mark>930.99</mark>0.98**0**.98<mark>10.990.994</mark>.98**4**.97**2**.98**3**.94**3**.9580.960.950.94**9**.93**6**.97**2**.96**3**.98 CMIP6Amon\_IPSL.CM6A.LRf1\_historical -0.865.828.849.474.768.776.790.848.842.182.196.232.798.210.170.234.170.8210.010.838.066.045.912.913.821 1 0.556.505.410.469.358.856.750.720.740.787 CMIP6Amon\_IPSL.CM6A.LRf1\_historical -0.976.9830.990.926.976.970.983.994.989.876.9010.890.980.8730.880.9410.920.98 IPSL.CM5B.LR -0.858.820.814.478.802.835.905.917.918.152.163.194.602.178.138.175.120.906 8924 2874.892 1 0.820.806.803.488.712.460.884.925.9140.890.81IPSL.CM5B.LR -0.996.998.999.959.995.995.990.998 1 0.910.930.925.9850.910.9080.960.944.991 **).999.999 1 0.99**0.98**3**.98**6**.98**3**.98**0**.94**2**.99**8**.99**2**.99**3**.99**9**.9 IPSL.CM5A.LR -0.873.846.837.490.779.790.8360.880.878.2260.240.266.733.255.2170.269.215.874 5.890.073.046.958 1 0.892.913.663.635.4770.563.414.902.818.794.8170.806
IPSL.CM5A.MR - 0.890.8720.840.513.793.792.842.8770.878.253.269.296.752.280.246.299.248.854 4876.086.053 1 0.958.874.912.6470.609.503.560.434.906.818.785.816.832 <mark>998.99**4.**998</mark>.94<mark>50.990.98**9.996.99**0.998</mark>.89**8**.9170.910.98**9**.89**4**.89**2**.94**9**.93<mark>0.9</mark> <mark>990.995.998</mark>.94<mark>90.990.98**8**.99**4.998.99**80.90.92**0**.91**4.986**.89**8**.89**9**.95**5**.93<mark>0.99(</mark></mark> CMIP6Amon\_GFDL.ESM4f1\_historical -0.164.285.153.736.196.152 3014.020.783.743.774.1120.780.772.753.730.016.794.045.986 1 0.053.046 2045.140.005.623.120.622 CMIP6Amon\_GFDL.ESM4f1\_historica CMIP6Amon\_GFDL.CM4f1\_historical - 0.190.314.175.748.215.167.008.030.040.818.784.810.138.813.809.804.789.030.772.062 1 0.985.086.074 3066.163.016.652.136.643 0.180.063 CMIP6Amon\_GFDL.CM4f1\_historica GFDL.ESM2G - 0.860.832.830.530.828.865.906.924.938.193.193.193.193.2420.620.223.178.2170.159.934 6 1 0.062.045.8760.890.929.838.829.800.545.725.520.886.915.9090.90.828 99<mark>6.999.999</mark>.96<mark>3.990.990.990.990.999</mark>.91**5**.93**4**.92<mark>9.98</mark>4.91**4**.91**2**.96**3**.94<mark>6.997</mark> **3.990.997 1 0.980.985.988.985**.990.94**8.990**.99**2.993.999**. 0.75 №6150.590.62<mark>0.026</mark>0.630.60**9**.57**8**.56<del>{ 11 - №770.79</del>4 **8**.010.08**5 0**.510.09**4**.49**3** 7 1 ( ).97**4**.964 GFDL.ESM2M - 0.840.804.822.498.804.834.905.9090.910.164.172.208.598.192.148.185.127 1 - 1.935.030.016.858.878.906.820.809.785.515.696.4870.896.886.885.869.791 0.50 9**8.996.998**.95**8.998.990.999.994.998**.900.920.92**6**.9760.910.90**4**.95**9**.94<mark>3.1</mark> CMIP6Amon\_EC.Earth3f1\_historical -0.323.462.283.7670.339.290.149.160.1710.960.964.959.260.954.964.989 1 0.1270.563.159.789.7370.248.215.120.170.288.1370.779.234.7270.134.0520.090.366.211 CMIP6Amon\_EC.Earth3f1\_historical -0.945.956.9390.990.946.946.928.934.9410.990.994.9920.880.989.9920.997 1 0.946 3.937.930.9440.920.96**3**.95**2.985**.96**5.988**.93**6**.932.92**8**.94**9**.90 0.25 CMIP6Amon\_EC.Earth3.Vegf1\_historical -0.384.518.348.806.400.358.208.210.228.959.962.9630.310.950.961 1 0.989.185.578.210.804.758.299.269.175.234.325.168.790.2660.750.184.099.130.4130.27 0.00 EC.EARTH\_r12i1p1\_historical -0.338.468.292.810.369.319.162.1770.180.992.990.990.990.260.993 1 0.960.960.148.609.178.809.7720.246.210.138.170.310.1650.790.260.7510.140.0690.110.380.228 EC.EARTH\_r2i1p1\_historical -0.373.506.334.844.414.366.198.2150.220.994.988.995.292 1 0.998.950.954.1920.630.223.8130.780.280.255.178.210.352.198.809.2940.770.176.107.148.418.269 EC.EARTH\_r2i1p1\_historical -0.9190.930.900.980.915.920.894.890.905.990.990.990.841 1 0.995.980.980.910.770.914 D.89**8**.8940.910.87**3.949**.93**2.966**.94**4.989**.8940.890.89**5**.921**0.**9 EC.EARTH\_historical -0.70\(\bar{v}\).70\(\ba EC.EARTH\_historical -0.970.978.983.910.975.970.985.984.984.984.8450.870.859 1 0.840.839.9030.880.976 **986.989.985.980**.95**0**.95**9**.94**0**.95**2**.88**0**.98**3**.97**2**.97**6**.98**2**.9 EC.EARTH\_r2i1p1 -0.398.528.354.852.438.384.2170.2340.240.990.989 1 0.304.995.990.968.959.208.6220.242.810.774.296.266.194.232.364.208.8170.3070.776.188.1290.170.4370.291 EC.EARTH\_r2i1p1 -0.933.943.910.990.929.9350.910.908.920.996.998 1 0.859.999.994.980.990.925 D.91*4*0.910.9250.89<mark>0.96</mark>0.94**4.974**.95**5.992**0.910.9070.91**0**.93**5**.96 EC.EARTH -0.35**2**.48**6**.31**2**.80**8**.38**0**.33**2**.18**5**.19**6**.20<mark>20.99 1 0.989</mark>.28**5**.98**8**.99**2**.96**2**.96**4**.17**2**0.590.19**9.784**.74**3**.2690.240.16**3**.19**6**.33**7**.18**8.799**.28**0.753**.16**0**.09**8**.13**8**.40**3**.253 EC.EARTH -0.935.940.920.990.930.936.913.915.925.997 1 0.9980.870.990.996.980.990.990.990 0.92**0**.91**0**.93**0**.90**0**.95**8**.94**0.978**.95<mark>8.990</mark>.91**6**.90**8**.9110.940.9 EC.EARTH\_r12i1p1 -0.9140.930.900.988.914.9190.890.894.904 1 0.990.996.845.990.999.9830.990.900.780.915 0.7590.90.8930.910.876.943.926.9680.940.990.894.883.8890.920.95 EC.EARTH\_r12i1p1 -0.344.478.304.824.382.334.174.190.194 1 0.990.990.265.994.990.9590.960.164.615.193.818.788.253.226.152.182.334.1830.80.283.7630.150.083.125.393.239 CMIP6Amon\_CanESM5\_r1i1p2f1\_historical -0.87\(\delta\).83\(\delta\).84\(\delta\).52\(\delta\).81\(\delta\).89\(\delta\).89\(\delta\).89\(\delta\).82\(\delta\).82\(\delta\).82\(\delta\).83\(\delta\).84\(\delta\).94\(\delta\).94\(\delta\).89\ CMIP6Amon\_CanESM5\_r1i1p2f1\_historical -0.996.997 1 0.956.996.995.998.998 1 0.904.925.920.984.905.902.958.940.9 CMIP6Amon\_CanESM5f1\_historical -0.8610.830.825.505.810.843.935 1 0.968.190.196.234.630.215.170.210.160.904 4924.030.014.8770.880.910.848.8020.790.5520.760.540.890.900.899.875.82 CMIP6Amon\_CanESM5f1\_historical -0.989.999.999.946.998.989.995 1 0.998.894.915.908.984.892.894.953.934.994 CanESM2 -0.82**4**.79**3**.79**3**.4790.770.80<mark>8 1 0.9350.94</mark>0.17**4**.18**5**.21**0**.60**5**.19**8**.16**2**.20**3**.14**9**.90€ \$590**6**.00€ \$84**2**.83**6**.90**5**.79**0**.83**4**.82**4**.56**5**.79**0**.554**0**.890.89**8**.90**4**.87**5**.75 CMIP6Amon\_CNRM.ESM2.1f2\_historical -0.862.8490.850.6449.964 1 0.808.843.846.334.332.384.620.366.319.353.290.8340.092.865.160.152.792.790.835.7760.740.670.5820.620.552.760.810.816.850.810 CMIP6Amon\_CNRM.CM6.1f2\_historical -0.8640.860.854.674 1 0.9640.770.810.819.3820.380.433.630.414.369.400.339.804.136.828.215.196.793.779.802.768.685.614.596.584.554.746.763.764.829.824 CMIP6Amon\_CNRM.CM6.1f2\_historical -0.995.996.996.964 1 0.999.9970.995.995.914.930.929.975.9150.910.962.946.9 CNRM.CM5 -0.63\(\rho\).72\(\rho\).67\(\rho\).64\(\rho\).47\(\rho\).50\(\rho\).52\(\rho\).82\(\rho\).82\(\rho\).85\(\rho\).83\(\rho\).84\(\rho\).81\(\rho\).80\(\rho\).76\(\rho\).64\(\rho\).53\(\rho\).74\(\rho\).73\(\rho\).51\(\rho\).47\(\rho\).56\(\rho\).43\(\rho\).85\(\rho\).50\(\rho\).83\(\rho\).44\(\rho\).41\(\rho\).45\(\rho\).65\(\rho\).51\(\rho\).49\(\rho\).65\(\rho\).53\(\rho\).74\(\rho\).73\(\rho\).51\(\rho\).47\(\rho\).56\(\rho\).43\(\rho\).85\(\rho\).50\(\rho\).83\(\rho\).44\(\rho\).41\(\rho\).65\(\rho\).51\(\rho\).80\(\rho\).74\(\rho\).53\(\rho\).73\(\rho\).51\(\rho\).47\(\rho\).56\(\rho\).43\(\rho\).85\(\rho\).50\(\rho\).43\(\rho\).45\(\rho\).65\(\rho\).51\(\rho\).49\(\rho\).47\(\rho\).50\(\rho\).43\(\rho\).43\(\rho\).43\(\rho\).45\(\rho\).65\(\rho\).51\(\rho\).49\(\rho\).47\(\rho\).47\(\rho\).56\(\rho\).43\(\rho\).43\(\rho\).43\(\rho\).43\(\rho\).43\(\rho\).43\(\rho\).45\(\rho\).51\(\rho\).43\(\rho\) CNRM.CM5-0.963.973.952 1 0.964.968.9470.946.955.983.992.990.910.987.984.9910.990.958 .94**9**.94**5**.95**9**.92**6**.98**0**.97**0**.99**8**.97**9**.99**0**.94**6**.94**6**.94**6**.96**0**.9 CMIP6Amon\_HadGEM3.GC31.LLf3\_historical -0.906.887 1 0.600.8540.850.793.825.840.304.312.3540.680.334.292.348.283.8220.088.830.175.1530.840.830.8140.849.616.549.525.548.485.800.7520.7520.796.845 CMIP6Amon\_HadGEM3.GC31.LLf3\_historica HadGEM2.CC -0.946 1 0.880.7280.860.849.7930.830.830.478.486.523.703.506.468.518.462.804.196.832.314.285.872.846.820.828.668.580.649.560.590.808.765.749.852.83 <mark>996\_1\_0.996.978.996.997.994.998.997</mark>0.930.947.948.9780.930.927.970.95<mark>6.9</mark> <mark>1 0.946.906</mark>.63**2.864.862.824.860.87**2.34**4.**352.39**3**.707.37**3**.33**3**.38**4**.32**3**0.840.10**2**0.860.190.164<mark>0.890.87**3**.85**3**.86**5**.65**5**.592.56**6**.55**8**.51**8**.84**6**.80**4**.78**2**.83**2**.87</mark> PC 1:10 PC 1:360 interim\_10d - 0.953.946.930.892.916.923.923.934.949.770.7830.810.860.798.765.806.762.931 interim\_10d - 0.878.830.849.519.824.818.750.820.824.239.253.290.583.269.2280.270.210.790.012.828.063.042.832.806.810.780.615.582.490.574.442.790.789.759.766 .9390.930.94**8**.91**6**.9170.9060.870.8936.816.9420.940.9460.95 CMIP6Amon\_NorESM2.LMf1\_historical - 0.980.9870.980.939.978.983.985.984.988.825.835.8620.930.8490.820.8630.810 .97\(\bar{v}\).97\(\bar{v}\).99\(\bar{v}\).95\(\bar{\textbf{6}}\).97\(\bar{\textbf{9}}\).93\(\bar{\textbf{8}}\).98\(\bar{\textbf{9}}\).98 CMIP6Amon\_NorESM2.LMf1\_historical -0.832.852.796.650.829.850.875.875.874.393.403.430.590.418.380.413.366.869.1060.90.180.165.816.8170.890.740.850.808.675.769.653.799.890.911 1 0.76 CMIP6Amon\_NorCPM1f1\_historical -0.9810.980.970.916.968.974.9810.980.983.783.796.820.925.810.7790.830.773. CMIP6Amon\_NorCPM1f1\_historical -0.782.749.7520.450.764.816.904.899.890.125.1380.170.505.1480.110.1370.090.885 4909 3785.794.914.720.848.8580.510.790.5070.830.964 1 0.910.7505.1480.110.1370.090.885 .97**2**.97**3**.98**0**.9540.970.97**2**.91**3**.95**5**.85**2**.98**0**.99**3** 1 0.990.94 NorESM1.M-0.804.765.752.410.763.810.898.900.898.083.098.129.555.100.069.099.052.886 NorESM1.M-0.975.978.970.900.964.969.985.980.984.766.778.809.929.793.764.819.759. .97**0**.97**0**.98**0**.95**8**.96**0**.96**8**.90**5**.95**3**.83**9**.98**4** 1 **0**.99**3**.98**7**0.94 MPI.ESM.LR -0.9870.990.988.9270.970.979.986.990.990.799.808.839.950.820.798.850.794.97 MPI.ESM.LR -0.846.808.800.448.746.7670.890.8970.8950.150.160.188.638.1760.140.184.134.896 CMIP6Amon\_MIROC6f1\_historical -0.518.590.4850.830.5540.5540.5540.5540.550.768.758.776.3060.770.7510.750.720.480.498.520.648.620.4340.4140.460.358.716.638.965.744 1 0.426.4540.500.658.442 CMIP6Amon\_MIROC6f1\_historical -0.882.899.874.964.896.900.8670.8570.872.945.930.958.792.9520.9370.9570.924.878 **3**.85**4**.8640.870.82<mark>0.9210.89<mark>8.981</mark>0.93<mark>4 1 1</mark>0.85**5**.83**9**.8512.884.816</mark> CMIP6Amon\_MIROC.ES2Lf2\_historical -0.558.560.548.509.5840.620.7910.760.750.283.280.300.275.294.260.260.234.696.094.725.136.120.560.563.710.469.870.899.702 1 0.744.638.740.790.769.574 CMIP6Amon\_MIROC.ES2Lf2\_historical -0.955.968.960.962.979.983.968.958.963.869.8690.90.906.889.8640.90.848.97 MIROC5-0.566.649.525.854.596.582.565.552.5670.80.799.810.362.8090.790.790.779.5150.510.545.652.623.503.470.488.410.704.617 1 0.702.965.486.4620.510.675.49 MIROC5 - 0.940.950.930.976.9440.950.930.920.935.9420.940.950.8730.950.939.968.934.935MIROC.ESM.CHEM -0.948.958.940.929.90.968.968.9550.90.818.826.854.885.848.812.852.800.9 .9350.940.96**9**.90**4.992 1 0**.93**8.978**.89**8**.94**8**.96**8**.97**2**.97**9**.906 MIROC.ESM.CHEM -0.592.580.549.433.6140.670.8240.790.790.183.183.208.308.198.165.168.130.784 30.016.005.609.635.803.505.964 1 0.610.899.633.712.820.858.808.582 MIROC.ESM -0.655.668.616.568.6850.740.834.802.808.334.337.364.378.352.317.325.288.809.085.829.163.147.647.647.668.806.556 1 0.964.704.877.716.715.810.848.850.615 MIROC.ESM -0.965.970.959.950.968.978.972.960.9680.860.864.894.898.884.855.892.842.9  $a^{1}$  -0.865.828.849.47 $\phi$ .768.776.790.848.84 $\phi$ .18 $\phi$ .189.196.23 $\phi$ .79 $\phi$ .210.170.23 $\phi$ .170.821 $\phi$ .0.010.83 $\phi$ .0066.04 $\phi$ .91 $\phi$ .918.82 $\phi$ .10.556.505.410.469.35 $\phi$ .856.750.720.740.787 974.973.982.900.943.953.9630.980.9770.780.790.819.966.800.782.843.776  $\mathsf{IPSL.CM5B.LR} - \textcolor{red}{0.858.820.819.478.802.835.905.9179.918.152.163.199.602.178.138.175.1209.906} - \textcolor{red}{0.8924} - \textcolor{red}{0.820.806.809.488.712.460.889.925.9140.890.811} - \textcolor{red}{0.890.890.819.4602.890.812} - \textcolor{red}{0.890.819.819.819.8120.890.811} - \textcolor{red}{0.890.819.819.819.819.819} - \textcolor{red}{0.890.819.819.819.819.819} - \textcolor{red}{0.890.819.819.819} - \textcolor{red}{0.890.819.819.819.819} - \textcolor{red}{0.890.819.819.819} - \textcolor{red}{0.890.819.819} - \textcolor{red}{0.890.819.819} - \textcolor{red}{0.890.819} -$ IPSL.CM5B.LR -0.980.986.985.9250.970.970.985.985.989.802.812.840.928.820.798.853.7950.9 IPSL.CM5A.LR - 0.878.846.8370.490.779.790.8360.880.878.2260.240.266.738.255.2170.269.215.878 5.890.078.046.958 1 0.8920.918.668.635.4770.568.414.9020.818.794.8170.806 IPSL.CM5A.MR - 0.890.8720.840.513.793.7920.8420.8770.878.253.269.296.7520.280.246.299.248.858 4876.086.053 1 0.958.874.912.6470.609.508.560.434.906.818.785.816.832 98**6.986.988**.92**6.969.978.976.982.98**4.82**3**.834.860.95**3**.8470.820.874.81**6.97**7 **9.993 1 0.984.983**.9540.940.93**2**.94**0**.86**4.986**.97**0**.97**3**.97**7**0.93 IPSL.CM5A.LR -0.9 <mark>985.986.98</mark>7.93<mark>0.967.974.976.988.98</mark>9.822.8320.860.96**3**.84**3**.822.867.81**2**.97 **1 0.998**.97**0.980**.95**0**.93**5**.92**0**.94**6**.85**4**.98**9**.97**0**.97**0**.97**0**.93 IPSL.CM5A.MR -CMIP6Amon\_GFDL.ESM4f1\_historical -0.164.285.153.736.196.154 \$3.736.196.154 \$3.014.020.783.743.774.1120.780.772.753.737.016.794.045.986 1 0.053.046 \$2045.1470.005.623.1270.624 CMIP6Amon\_GFDL.ESM4f1\_historical CMIP6Amon\_GFDL.CM4f1\_historical CMIP6Amon\_GFDL.CM4f1\_historical - 0.190.31**4**.17**5**.74**8**.21**5**.16**0**.00**8**.030.04**0**.81**8**.78**4**.81**0**.13**8**.81**3**.80**9**.80**4**.78**9**.03**0**.77**0**.062 1 0.98**6**.08**6**.07**6** 2 2066.16**3**.01**6**.65**2**.13**6**.64**3** 0.180.063 9<mark>840.990.988</mark>.93**9.970.982.984.989.99**0.810.824.85**5**.952.840.8130.860.79<mark>8</mark>. **0.988.986.980.976.970.960.938.960.878.980.985.986.991**0.94 GFDL.ESM2G - 0.860.832.830.530.828.865.906.924.938.193.193.199.2420.620.223.178.2170.159.934 6 1 0.062.045.8760.890.929.838.829.800.545.725.520.886.915.9090.90.828 GFDL.ESM2G -0.9 GFDL.CM3 -0.102.196.088.646.136.092 8.010.08<del>5</del> **0.51**0.09**4**.49<del>3</del> 0.90 GFDL.ESM2M -0.979.984.980.937.980.983.987.987.984.813.823.852.933.839.809.857.799 1 ( ) GFDL.ESM2M - 0.840.804.822.498.804.834.905.909.910.164.172.208.598.192.148.185.127 1 - 3.935.030.016.858.878.906.820.809.785.515.696.487.896.886.885.869.791 **8**.97**8**.97**7**0.9**9**0.95**5**.97**8**.97**8**.93**5**.97**8**.87**8**.97**9**.98**8**.98**8**0.9**9**0.933 0.85 CMIP6Amon\_EC.Earth3f1\_historical-0.825.830.807.886.8130.820.790.796.808.980.986.978 3.967.980.984 1 0.799 0.81**2**.81**6**.79**5**.77**6**.84**2**.80**0.934**.84**8.924**.79**4**.75**9**.7730.810.762 CMIP6Amon\_EC.Earth3f1\_historical -0.323.462.283.7670.339.290.149.160.1710.960.964.959.260.954.964.989 1 0.1270.563.159.789.7370.248.215.120.170.288.1370.779.234.7270.134.0520.090.366.211 0.80 CMIP6Amon\_EC.Earth3.Vegf1\_historical - 0.880.888.872.936.875.879.8470.853.863.9810.980.982.800.979.981 1 0.984.857 0.86 .86**0**.87**0**.85**3**.84**3**.89**2**.85**2**.96**8**0.9**0.950**.85**4**.81**9**.830.86**3**.806 CMIP6Amon\_EC.Earth3.Vegf1\_historical -0.384.518.348.806.400.358.208.217.228.959.962.9630.310.9578.961 1 0.989.185.578.2178.804.758.299.269.175.234.325.168.7978.2600.750.184.099.1378.4130.27 0.75 EC.EARTH\_r12i1p1\_historical -0.82\,0.84\,0.80\,9.91\,0.83\,60.84\,0.79\,80\,8.81\,0.99\,8.99\,0.99\,0.99\,0.75\,0.99\,1 \,0.98\,0.98\,0.98\,0.80\,9.75\,0.81\,80\,0.81\,0.98\,0.98\,0.98\,0.81\,0.98\, 0.8220.820.79**8**.78**2**.85**5**.81**2.939**.86**4.93**0.79**8**.76**4**.7790.820.765 EC.EARTH\_r12i1p1\_historical -0.338.468.298.810.369.319.162.1770.180.998.998.990.2680.993 1 0.960.964.148.609.178.809.778.246.218.138.178.318.1650.790.268.7510.140.0690.110.380.228 EC.EARTH\_r2i1p1\_historical -0.378.506.334.844.414.366.198.2150.220.994.988.995.292 1 0.998.950.954.1920.630.228.8130.780.280.255.178.2170.3520.198.809.2940.770.176.1070.148.418.269 EC.EARTH\_r2i1p1\_historical -0.855.865.836.938.866.868.820.820.836.994.988.998.766 1 0.990.979.960.839.766.840 ).84**3**.84**0**.82**0**.80**0.884**.84<mark>30.95</mark>0.88**9.95**0.820.79**3**.810.84**9**.798 EC.EARTH\_historical -0.70\(\bar{v}\).70\(\bar{v}\).70\(\bar{v}\).70\(\bar{v}\).63\(\ba EC.EARTH\_historical -0.945.940.953.876.933.940.950.950.9530.750.766.789 1 0.766.750.80( ).938 3.95 **963**.95**3**.92**8**.96**6**.89**8**.88**5**.87**3**.90**6**.79**2**.95**4**.92**9**.9250.930.86 EC.EARTH\_r2i1p1 - 0.870.880.850.944.878.882.8390.840.854.9940.99 1 0.789.998.992.982.972.852.750.856 0.860.86**0**.84**0**.81**9**.89**4**.85**4**.9**57**0.9<mark>0.958</mark>.83**9**.80**9**.82**0**.8620.81 EC.EARTH\_r2i1p1 -0.398.528.354.852.438.384.2170.2340.240.990.989 1 0.304.995.990.968.959.208.6220.242.810.7740.296.266.194.2320.364.208.8170.3070.776.188.1290.170.4370.291 EC.EARTH -0.8410.850.820.910.842.8470.810.813.825.993 1 0.990.766.988.9940.980.986.828 ).83**2**.83**4**.81**2**.79**0**.86**4**.82<mark>60.94</mark>0.86<mark>9.93</mark>0.80**8**.77**8**.79**6**.83**5**.783 EC.EARTH -0.352.486.312.808.380.332.185.196.2020.99 1 0.989.285.988.992.962.964.1720.590.199.784.743.2690.240.163.196.3370.188.799.280.753.160.098.138.403.253 EC.EARTH\_r12i1p1 -0.830.844.813.922.839.843.798.803.815 1 0.998.9940.750.994.998.980.980.813.758.817 EC.EARTH\_r12i1p1 -0.344.478.304.824.382.334.174.190.194 1 0.990.990.265.994.990.9590.960.164.615.193.818.783.253.226.152.182.334.1830.80.283.7630.150.083.125.393.239 **3**.82**0**.82**3**.8020.780.860.81**8.942**.86**8.945**.79**9**.76**6**.78**3**.82**5**.771 CMIP6Amon\_CanESM5\_r1i1p2f1\_historical -0.872.8370.840.524.819.8460.940.968 1 0.194.2020.240.6280.220.180.228.1710.91 6938.040.020.878.878.918.8420.8080.790.5670.550.895.895.898.890.8740.824 CMIP6Amon\_CanESM5\_r1i1p2f1\_historical -0.988.990.987.933.972.9820.990.995 1 0.815.825.854.953.836.814.863.808.984 <mark>.98**9**.98**4**.98**9**.970.9680.960.93**5**.96<mark>3</mark>.87**2**.**994**.98**4**.98**3**.98**6**.94</mark> CMIP6Amon\_CanESM5f1\_historical -0.8610.830.825.505.810.848.935 1 0.968.190.196.234.630.215.170.210.160.905 4924.030.014.8770.880.910.848.8020.790.5520.760.540.890.900.899.875.821

CanESM2 -0.824.798.798.4790.770.808 1 0.9350.940.174.185.210.605.198.162.208.149.905 58906.005 38420.836.905.790.834.824.565.790.5540.890.898.904.875.757 CMIP6Amon\_CanESM5f1\_historical -0.980.980.980.985.925.969.979.989 1 0.995.803.8130.840.959.820.803.853.796.9 **.988.980.985**0.980.960.95**5**.920.95**8**.850<mark>.990.982</mark>0.980.98**4**.934 CanESM2 - 0.980.988.978.925.975.985 1 0.9890.990.798.810.839.954.820.798.840.794.9 .97**6**.97**6**.98**5**.96**3**.97**2**.9680.930.96**8**.86**7**.98**6**.98**5**.98**0**.98**5**.923 CMIP6Amon\_CNRM.ESM2.1f2\_historical -0.862.8490.850.644.964 1 0.808.843.846.334.332.384.6270.366.319.353.290.834.092.865.1670.152.792.790.835.7760.740.670.5820.620.5520.7670.810.816.8570.81 CMIP6Amon\_CNRM.ESM2.1f2\_historical -0.979.984.9780.960.995 1 0.985.979.982.843.8470.8820.9440.8680.840.8790.820. .97**4**.97**3**.97**0**.95**3**.97**8**.9680.950.98**3**.90**0**.97**9**.96**9**.97**4**.98**3**.923 CMIP6Amon\_CNRM.CM6.1f2\_historical -0.8640.860.854.674 1 0.9640.770.810.819.382.380.433.630.414.369.400.339.804.136.828.215.196.793.779.802.768.685.614.596.584.554.746.763.764.829.824. CMIP6Amon\_CNRM.CM6.1f2\_historical -0.974.979.975.956 1 0.995.975.969.972.839.842.878.933.866.836.875.813.980 .96**7**.96**9**.9**7**0.94**8**.96**8**.96**0**.94**4**.9**79**.89**6**.9**70**.96**4**.96**8**.9**78**.916 CNRM.CM5-0.63**2**.72**8**.607 1 0.67**4**.64**4**.47**9**.50**5**.52**4**.82**4**.80**8**.85**2**0.430.84**4**.81**0**.80**6**.76**0**.49**8**.64**6**.53**0**.74**8**.73**6**.51**3**.49**0**.47**8**.47**4**.56**8**.43**8**.85**4**.50**9**0.830.44**8**.4110.450.650.519 CNRM.CM5-0.944.955.938 1 0.9560.960.925.925.933.9220.910.944.876.938.9170.936.886.937 .93**0**.92**6**.92**5**.90**0**.95**0**.92**9.976**.96**2**.96**4**.92**0**.90**0**.91**6**.93**9**.892 980.988.985.980.959.940.930.960.874.988.970.970.980.937 CMIP6Amon\_HadGEM3.GC31.LLf3\_historical-0.9890.99 1 0.938.975.978.978.980.980.8130.820.850.953.836.809.872.800.98 HadGEM2.CC -0.946 1 0.880.7280.860.849.7930.830.830.478.486.528.708.506.468.518.462.804.196.832.314.285.872.846.820.828.668.580.649.560.590.808.765.749.852.83 HadGEM2.CC -0.994 1 0.990.955.979.984.983.984.990.8440.850.880.940.865.840.888.830.9 HadGEM2.ES - 1 0.994.989.944.974.9790.980.980.988.830.8410.870.945.855.8270.880.825.9 HadGEM2.ES - 1 0.946.906.632.864.862.824.860.872.344.352.393.707.373.333.384.3230.840.1020.860.190.1640.890.873.858.865.655.592.566.558.518.846.804.782.832.878

GCMs 1800 loglikelihood correlation w.r.t interim\_10d\_akima\_cubic

models

PC 1:3

0.50

models