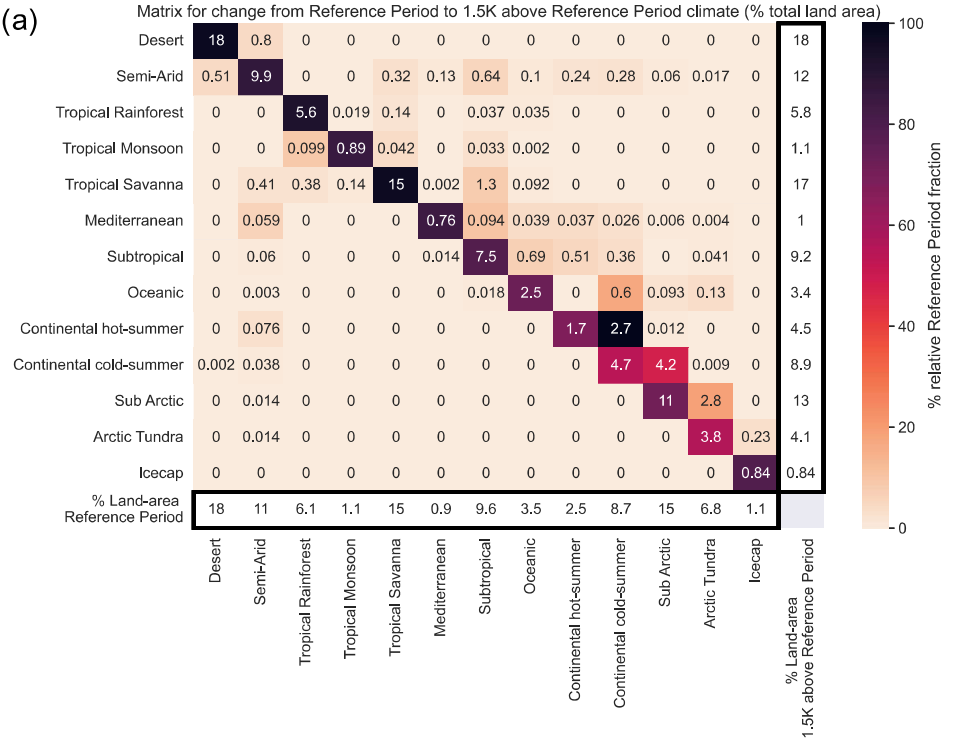
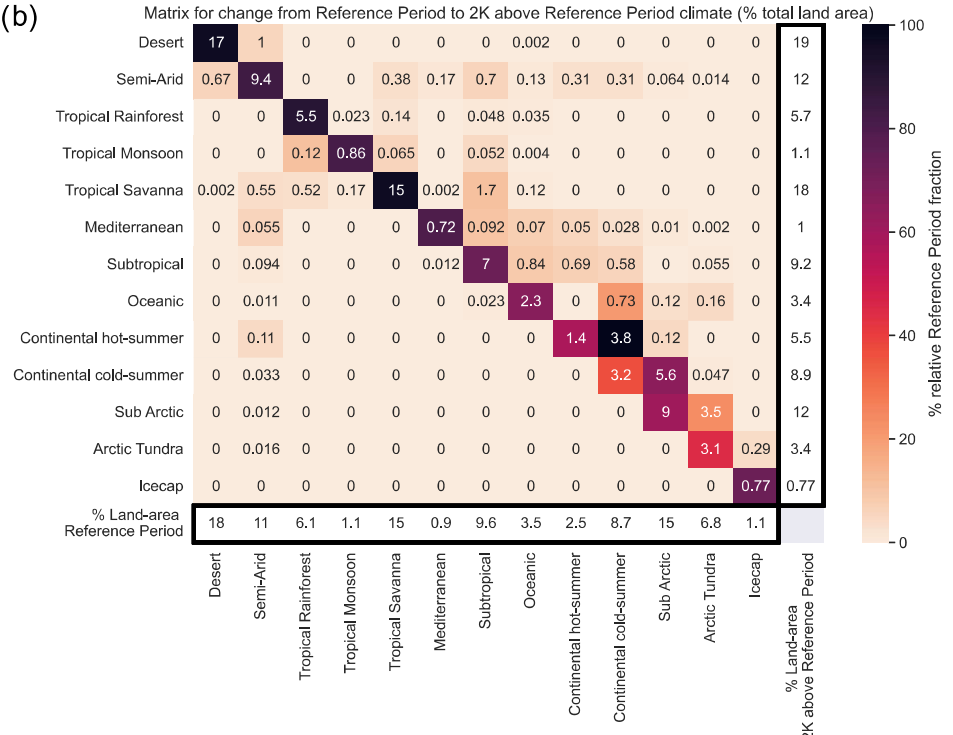
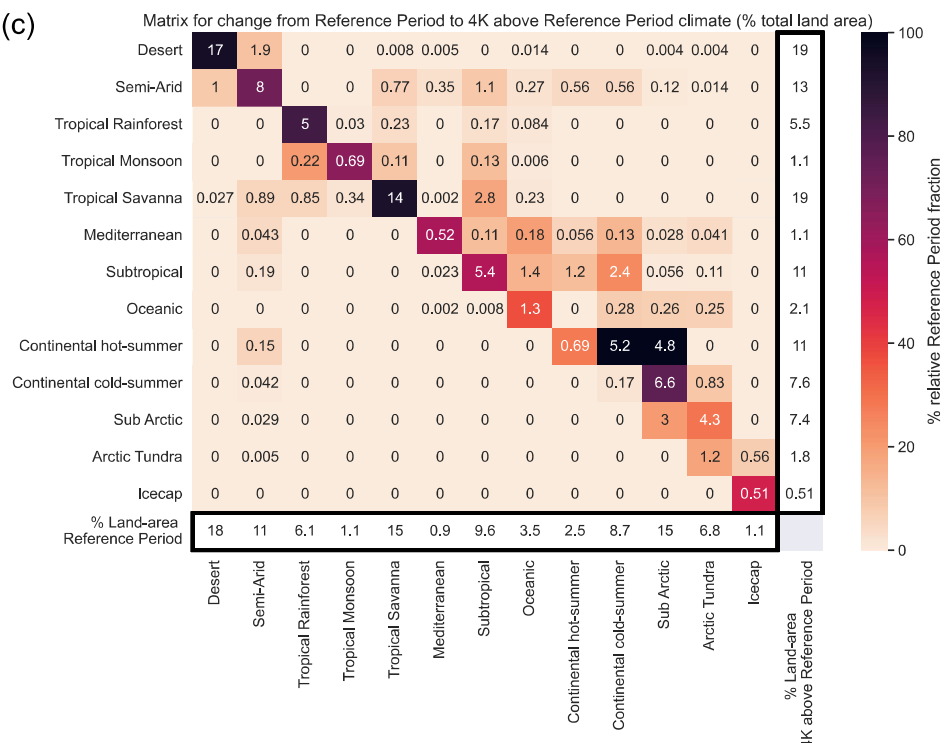
(a)


Matrix for change from Reference Period to 1.5K above Reference Period climate (% total land area)
Desert 18 0.8 0 0 0 0 0 0 0 0 0 0 0 18
Semi-Arid 0.51 9.9 0 0 0.32 0.13 0.64 0.1 0.24 0.28 0.06 0.017 0 12
Tropical Rainforest 0 0 5.6 0.019 0.14 0 0.037 0.035 0 0 0 0 0 5.8
Tropical Monsoon 0 0 0.099 0.89 0.042 0 0.033 0.002 0 0 0 0 0 1.1
Tropical Savanna 0 0.41 0.38 0.14 15 0.002 1.3 0.092 0 0 0 0 0 17
Mediterranean 0 0.059 0 0 0 0.76 0.094 0.039 0.037 0.026 0.006 0.004 0 1
Subtropical 0 0.06 0 0 0 0.014 7.5 0.69 0.51 0.36 0 0.041 0 9.2
Oceanic 0 0.003 0 0 0 0 0.018 2.5 0 0.6 0.093 0.13 0 3.4
Continental hot-summer 0 0.076 0 0 0 0 0 0 1.7 2.7 0.012 0 0 4.5
Continental cold-summer 0.002 0.038 0 0 0 0 0 0 0 4.7 4.2 0.009 0 8.9
Sub Arctic 0 0.014 0 0 0 0 0 0 0 0 11 2.8 0 13
Arctic Tundra 0 0.014 0 0 0 0 0 0 0 0 0 3.8 0.23 4.1
Icecap 0 0 0 0 0 0 0 0 0 0 0 0 0.84 0.84
% Land-area Reference Period 18 11 6.1 1.1 15 0.9 9.6 3.5 2.5 8.7 15 6.8 1.1
Desert
Semi-Arid
Tropical Rainforest
Tropical Monsoon
Tropical Savanna
Mediterranean
Subtropical
Oceanic
Continental hot-summer
Continental cold-summer
Sub Arctic
Arctic Tundra
Icecap
% Land-area 1.5K above Reference Period
100
80
60
40
20
0
% relative Reference Period fraction

(b)


Matrix for change from Reference Period to 2K above Reference Period climate (% total land area)
Desert 17 1 0 0 0 0 0 0.002 0 0 0 0 0 19
Semi-Arid 0.67 9.4 0 0 0.38 0.17 0.7 0.13 0.31 0.31 0.064 0.014 0 12
Tropical Rainforest 0 0 5.5 0.023 0.14 0 0.048 0.035 0 0 0 0 0 5.7
Tropical Monsoon 0 0 0.12 0.86 0.065 0 0.052 0.004 0 0 0 0 0 1.1
Tropical Savanna 0.002 0.55 0.52 0.17 15 0.002 1.7 0.12 0 0 0 0 0 18
Mediterranean 0 0.055 0 0 0 0.72 0.092 0.07 0.05 0.028 0.01 0.002 0 1
Subtropical 0 0.094 0 0 0 0.012 7 0.84 0.69 0.58 0 0.055 0 9.2
Oceanic 0 0.011 0 0 0 0 0.023 2.3 0 0.73 0.12 0.16 0 3.4
Continental hot-summer 0 0.11 0 0 0 0 0 0 1.4 3.8 0.12 0 0 5.5
Continental cold-summer 0 0.033 0 0 0 0 0 0 0 3.2 5.6 0.047 0 8.9
Sub Arctic 0 0.012 0 0 0 0 0 0 0 0 9 3.5 0 12
Arctic Tundra 0 0.016 0 0 0 0 0 0 0 0 0 3.1 0.29 3.4
Icecap 0 0 0 0 0 0 0 0 0 0 0 0 0.77 0.77
% Land-area Reference Period 18 11 6.1 1.1 15 0.9 9.6 3.5 2.5 8.7 15 6.8 1.1
Desert
Semi-Arid
Tropical Rainforest
Tropical Monsoon
Tropical Savanna
Mediterranean
Subtropical
Oceanic
Continental hot-summer
Continental cold-summer
Sub Arctic
Arctic Tundra
Icecap
% Land-area 2K above Reference Period
100
80
60
40
20
0
% relative Reference Period fraction

(c)


Matrix for change from Reference Period to 4K above Reference Period climate (% total land area)
Desert 17 1.9 0 0 0.008 0.005 0 0.014 0 0 0.004 0.004 0 19
Semi-Arid 1 8 0 0 0.77 0.35 1.1 0.27 0.56 0.56 0.12 0.014 0 13
Tropical Rainforest 0 0 5 0.03 0.23 0 0.17 0.084 0 0 0 0 0 5.5
Tropical Monsoon 0 0 0.22 0.69 0.11 0 0.13 0.006 0 0 0 0 0 1.1
Tropical Savanna 0.027 0.89 0.85 0.34 14 0.002 2.8 0.23 0 0 0 0 0 19
Mediterranean 0 0.043 0 0 0 0.52 0.11 0.18 0.056 0.13 0.028 0.041 0 1.1
Subtropical 0 0.19 0 0 0 0.023 5.4 1.4 1.2 2.4 0.056 0.11 0 11
Oceanic 0 0 0 0 0 0.002 0.008 1.3 0 0.28 0.26 0.25 0 2.1
Continental hot-summer 0 0.15 0 0 0 0 0 0 0.69 5.2 4.8 0 0 11
Continental cold-summer 0 0.042 0 0 0 0 0 0 0 0.17 6.6 0.83 0 7.6
Sub Arctic 0 0.029 0 0 0 0 0 0 0 0 3 4.3 0 7.4
Arctic Tundra 0 0.005 0 0 0 0 0 0 0 0 0 1.2 0.56 1.8
Icecap 0 0 0 0 0 0 0 0 0 0 0 0 0.51 0.51
% Land-area Reference Period 18 11 6.1 1.1 15 0.9 9.6 3.5 2.5 8.7 15 6.8 1.1
Desert
Semi-Arid
Tropical Rainforest
Tropical Monsoon
Tropical Savanna
Mediterranean
Subtropical
Oceanic
Continental hot-summer
Continental cold-summer
Sub Arctic
Arctic Tundra
Icecap
% Land-area 4K above Reference Period
100
80
60
40
20
0
% relative Reference Period fraction