

Distribution of World Biomes along Temperature and Precipitation Gradients

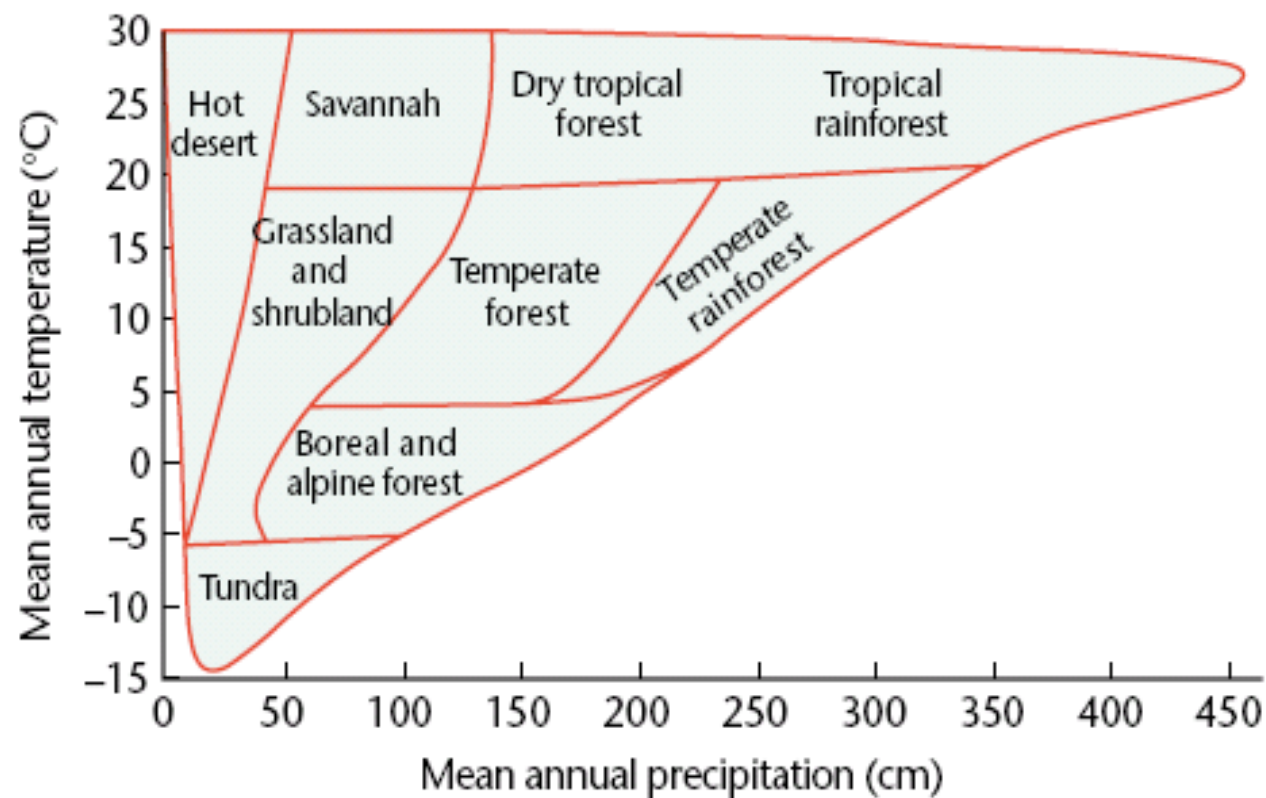


Figure 2. The global distribution of major ecosystems with respect to mean annual temperature and mean annual precipitation. From Ollinger 2002, modified from Whittaker, 1975.

Lieth Equation Graphs: Temperature and Precipitation along a Productivity Gradient

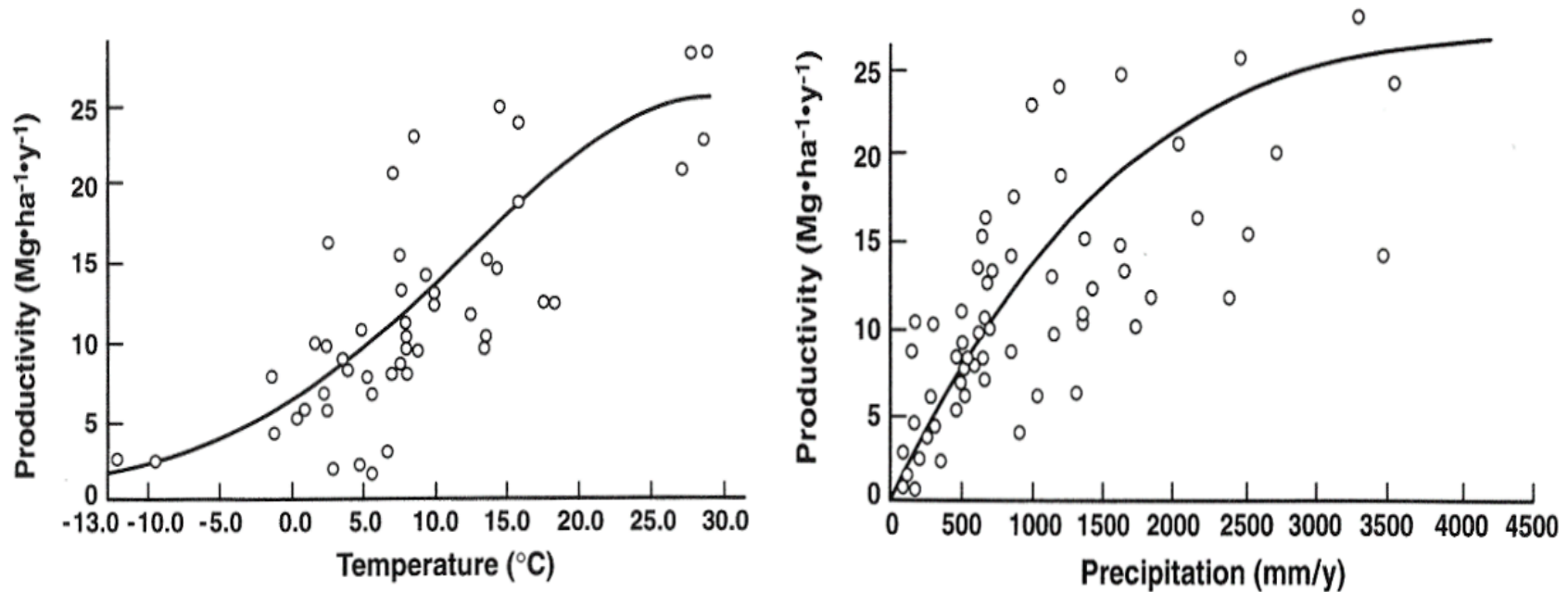
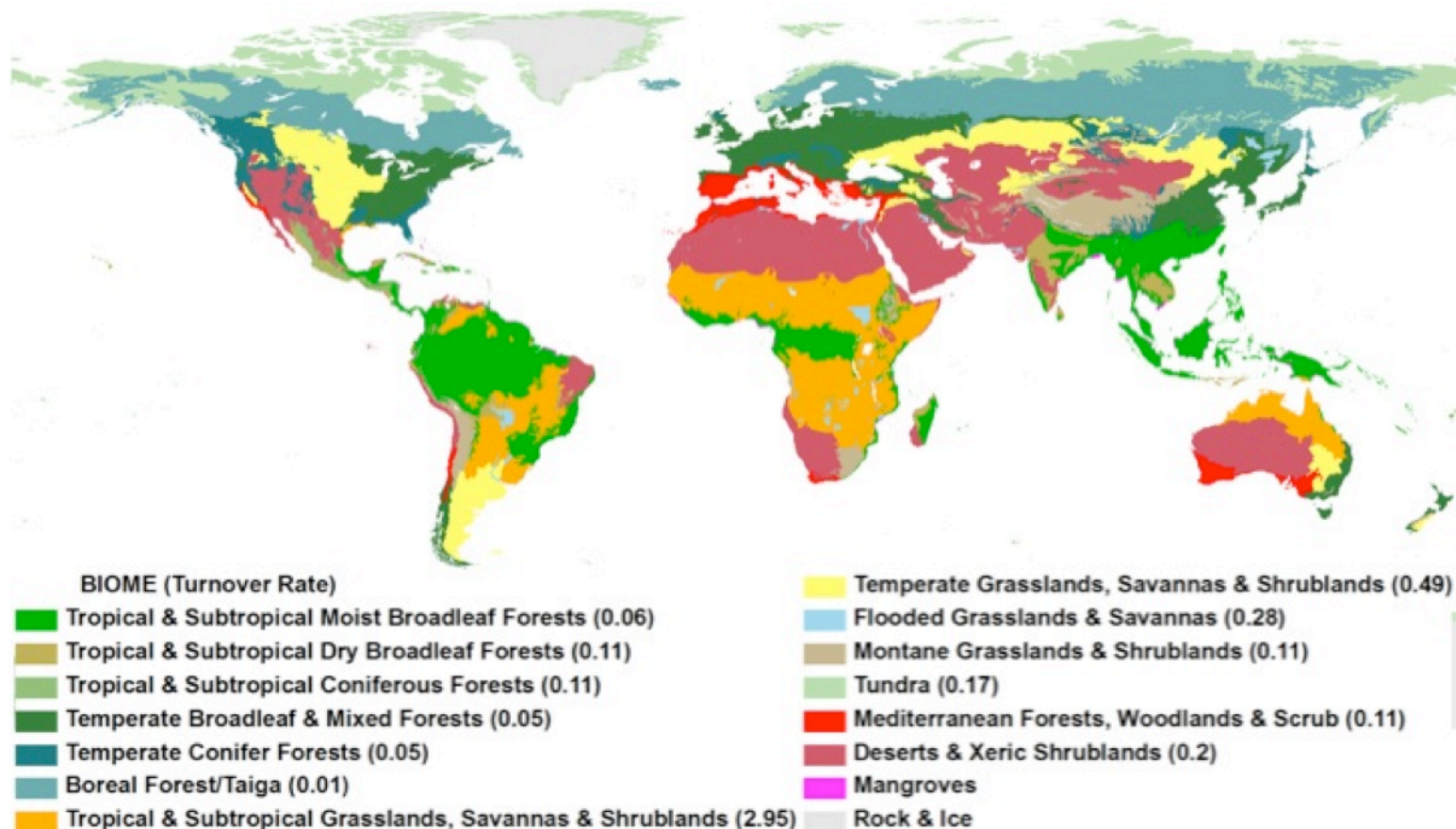


Figure 3. The relationship between net primary production and (a) annual temperature and (b) annual precipitation for ecosystems around the world. From Lieth

Turnover Rate by Biome



From: Olson et al. (2001) Terrestrial ecoregions of the world: New map of life on earth. Bioscience 51:933-938

Figure 4. Global biomes (also called ecoregions) as defined by the World Wildlife Fund, coupled with turnover rates from Amthor, J.S. and members of the Ecosystems Working Group (1998) Terrestrial Ecosystem Responses to Global Change: a research strategy. ORNL Technical Memorandum 1998/27. Oak Ridge National