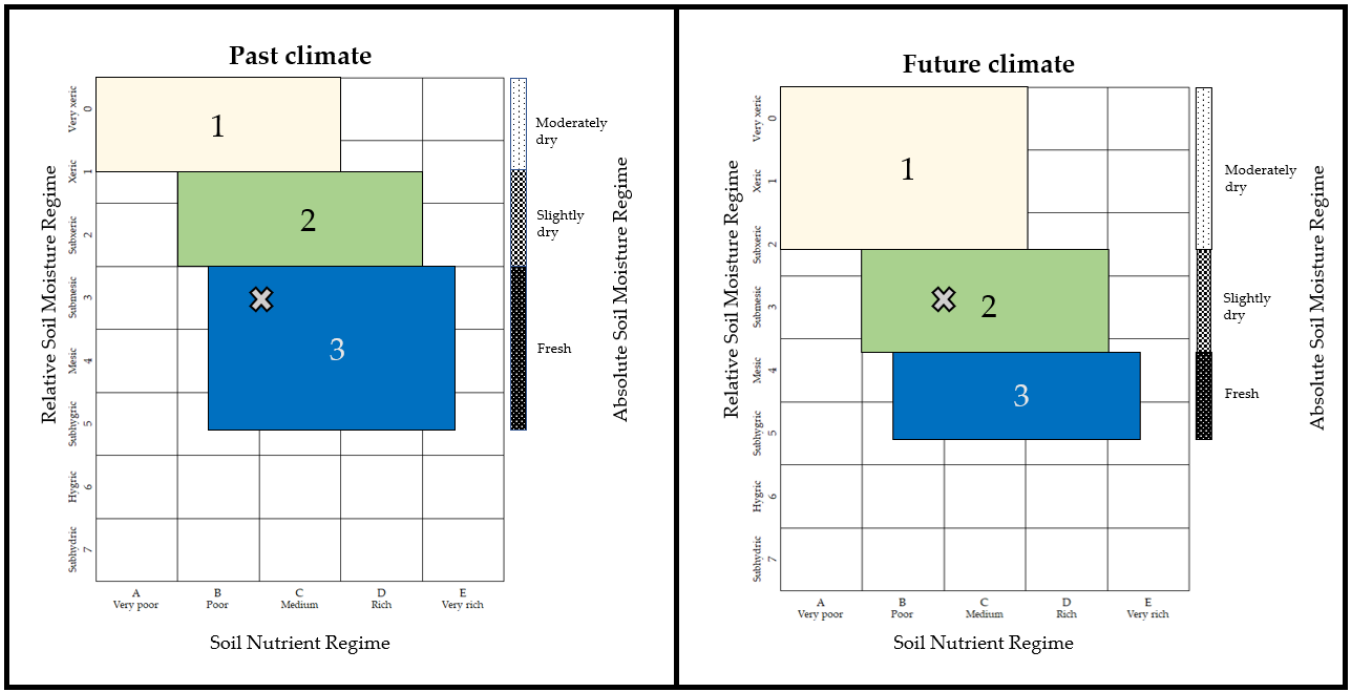

Figure 1. In this hypothetical pair of edatopic grids, the left represents the edatopic grid as it would currently be drawn based on historical climate which entails a particular relationship between relative and actual soil moisture regime. Ecosystems are not sensitive to RSMR; plants respond to the water-balance conditions that are described by the ASMR concept. In future climates, wetter RSMR conditions (e.g. deeper or finer soils) will generally be required to produce a given ASMR, and, therefore, edatopic grid configurations may change as site series shift towards wetter RSMRs, as in the right-hand grid. A site with submesic RSMR conditions (marked with the 'X' on the grids above) planted to produce Site Series 3 based on the past climate is likely to underperform under future climate conditions that cause the site to have ASMR conditions associated with the drier Site Series 2.