Abstract: Marine ecosystems are generally not renowned for their botanical wonders. However, Mike Vasey has been studying vegetation, plant species, and terrestrial and estuarine habitats that are tightly linked to coastal marine processes for most of his career. His master's research focused on *Lasthenia maritima* (bird rock goldfields), California’s only seabird-breeding habitat endemic. It turns out coastal upwelling is a big part of its ecological and evolutionary story. Later, Dr. Vasey studied *Arctostaphylos* (manzanitas) and particularly the numerous local endemics in this genus that are found in maritime chaparral. The focus of this study was the influence of fog on endemism and, again, established the link between coastal vegetation dynamics, upwelling, and marine atmospherics. Finally, Mike has studied tidal wetland vegetation in the San Francisco Estuary and is currently deeply involved in research related to marsh response to sea-level rise as Director of the San Francisco Bay National Estuarine Research Reserve. By weaving together results from these different research experiences, Mike will make the case for thinking more broadly about the interaction between landscape and seascape linkages as we address the potential impacts of global change and the need for conserving biodiversity.