The movement ecology of organisms is influenced by processes operating across vastly different spatial and temporal scales. Migration, in particular, plays a primary role in determining the fate of individuals as well as the dynamics of the populations they comprise. To understand the movement biology of migratory birds we must integrate information gathered at different scales using a variety of methodologies that transcend these scales. The major objectives of this symposium are to: (1) present technologies/methods that permit us to collect information about movement biology, and (2) illustrate how we integrate information collected by a variety of methods across spatiotemporal scales to better understand the movement biology and ecology of migratory birds, which is critical for migratory bird conservation.