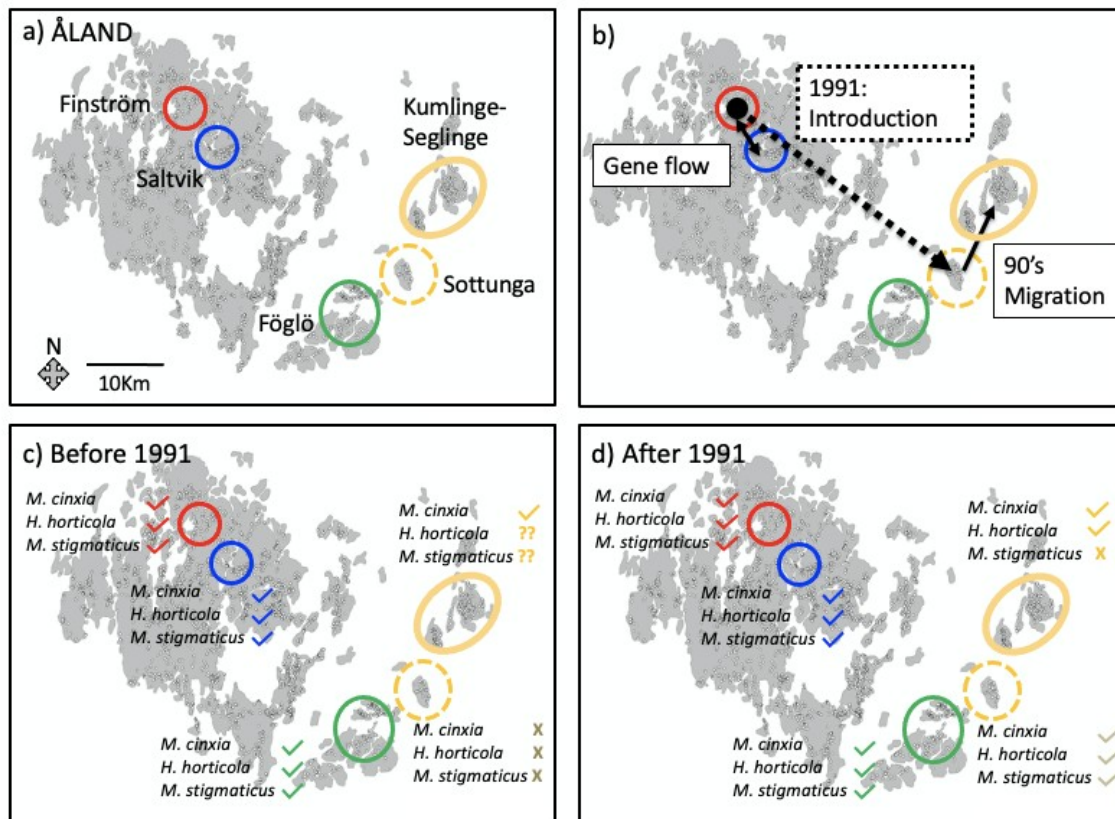


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3 **Figure1: The study system evolves on the Åland archipelago**, which stands in the Baltic Sea,  
 4 between the coasts of Finland and Sweden. (a) Samples used in the study originated from  
 5 the five local communes of Finström (red), Föglö (green), Seglinge-Kumlinge (yellow), Saltvik  
 6 (blue) and Sottunga (dashed-yellow). The habitat patches of this insect community have  
 7 been studied since 1990 (Ojanen et al., 2013). (b) *Melitaea cinxia* caterpillars that were  
 8 parasitized by *Hyposoter horticola* and the hyperparasitoid *Mesochorus cf. stigmaticus* were  
 9 introduced to Sottunga (dashed yellow) from Finström (red) in 1991, and specimens of *H.*  
 10 *Horticola* succesfully migrated to Seglinge-Kumlinge later in the 90's. (c-d) The geographic  
 11 distribution in Åland of the three species of this insect community changed after 1991.  
 12 'X':absent, 'V': present, and '??': unknown.