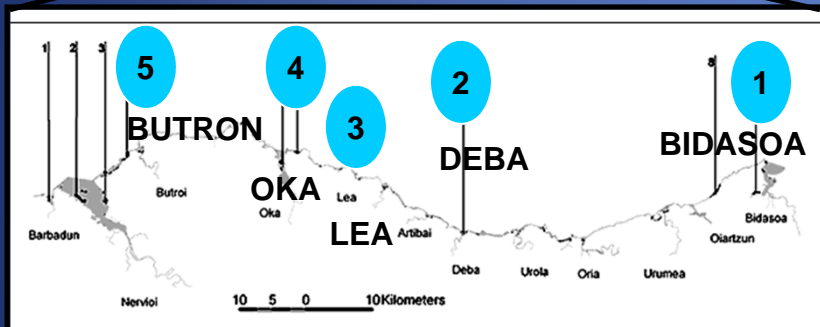


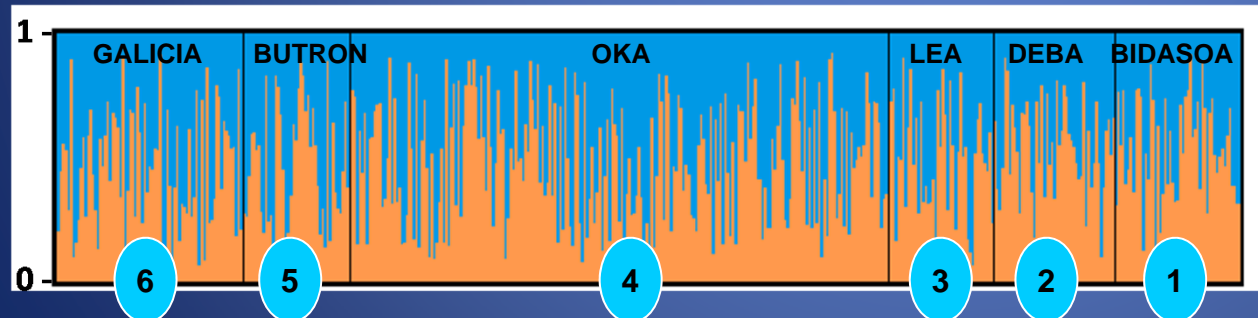
Applying molecular markers to address connectivity among Basque estuaries; the cockle (*Cerastoderma edule*) example.



-Objective: to measure the degree of connectivity among Basque country estuaries as to aid designing the Basque country coastal environment protection strategy



-Target: *Cerastoderma edule* (cockle)
 -Method: 12 polymorphic microsatellites genotyped in ~ 500 indiv. (6 estuaries)
 -Bayesian cluster analysis to determinate genetic connectivity among the different assemblies.



-*C. edule* presented no genetic structure along the Cantabrian coast) conforming a sole and panmictic population .

-*C. edule* is not useful as to select Basque estuarine systems to be protected based in their connectivity degree (giving priority to isolated ones)