

HONR 208D: Ecology of invasive species, consequences on society

Worksheet

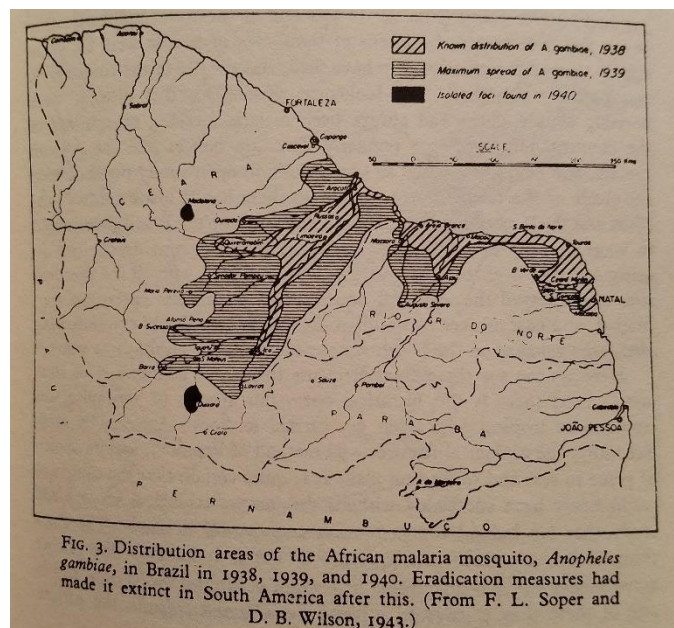
Part I. Invasive species: definition, introduction, establishment.

In the provided space below, please list the first words (associations) that come to your mind when you hear “invasive species” (30 sec)

- Please compare your lists in pairs and pick 5 unique associations (30 sec)
- Please compare your lists in groups and pick 5 unique associations (30 sec)
- Please watch the video and check the matches in your list (2 min)
- Please compare your matches with formal definition of invasive species (2 min) (use 'Yes/No cards')

Part II. Charles Elton (1958): *The ecology of invasions by animals and plants.*

“...About 1929, a few African mosquitoes accidentally reached the north-east corner of Brazil, having probably been carried from Dakar on a fast French destroyer. They managed to get ashore and founded a small colony in a marsh near the coast—the Mosquito Fathers as it were. At first not much attention was paid to them, though there was a pretty sharp outbreak of malaria in the local town, during which practically every person was infected. For the next few years the insects spread rather quietly along the coastal region, until at a spot about 200 miles farther on explosive malaria blazed up and continued in 1938 and 1939, by which time the mosquitoes were found to have moved a further 200 miles inland up the Jaguaribe River valley. It was one of the worst epidemics that Brazil had ever known, hundreds of thousands of people were ill, some twenty thousand are believed to have died, and the life of the countryside was partially paralysed..”



Part III. Stages of invasion.

Please write the percent of species which can successfully establish, disperse, and have a high impact on environment (your best guess):

