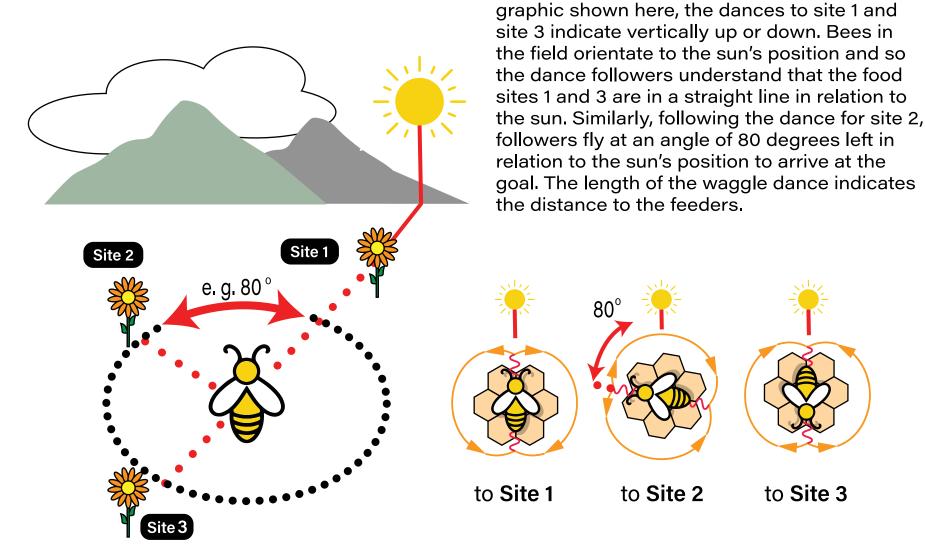
RECRUITMENT IN HONEYBEES

The classical waggle dance model

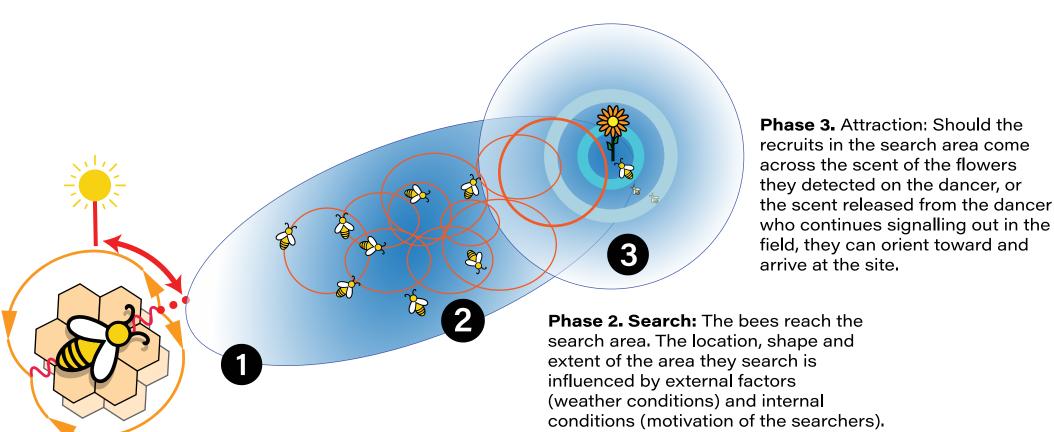


The new three-phase-model

The waggle dance of bees provides imprecise ("half true") information about the direction and distance of the food site from the hive, indicating only an approximate area in relation to the hive within which the food site can be found. A dance follower (recruit) flying to a food site unknown to it, for which a foraging bee has advertised in its dance, proceeds through three separate phases:

The waggle dance of honeybees provides precise ("true") information about the direction and

distance of a food site from the hive. In the



Phase 1. Sent: The recruit flies out of the hive in the approximate direction and over the approximate distance to reach the general search area indicated in the dance.

