# Fiddler Crab Project – Concept Visualization of waving

My Project Idea for Re-Shaping Nature is to visualize the behavior Fiddler crabs display when recognizing motion. WAVING. The waving is no threat, it's their mating behavior. Different species of crabs have different waving pattern to attract females. This is what I want to explain. For my Project I get to use Data collected by Scientist Daniela Perez.

First Step:
3D Modelling of a male Fiddler Crab and modifying it to have a female model too.
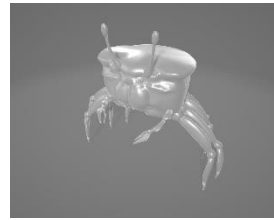
Second Step:
3D Modelling a Environment "Cube" with different assets like Trees, Flowers, Sand and driftwood for a beachy/swamp-ish environment Where I place the crabs in later.

Third Step:
For completing the visualization, I planned to animate the Crabs Claw and use a trail renderer which is tracing the path of the claw in different colors. The coordinates show the movement of the claw which will be visible through the colored paths the crab leaves. In the environment model I will be placing real life sized crabs, 2cm, which show in what situations the crabs wave and some giant crabs which show the different waving patterns.

Hardware for Exhibition: Windows PC, Projector, Camera for motion Capturing