





# Sensitivity Mapping

- In order to calculate a combined sensitivity rating for the study area, all the GIS layers received from each specialist area of study were combined to form one integrated layer
- Three results were then calculated from the integrated layer:
  - **maximum sensitivity wins:** The maximum sensitivity rating became the sensitivity index.
  - **sum of all sensitivity ratings:** The sensitivity index was the sum of each sensitivity rating.
  - **sum of all adjusted sensitivity ratings:** Each sensitivity rating found in the array was adjusted by the assigned adjustment factor for each particular layer. The sensitivity index was then the sum of these.
- The presented maps were then created by reclassifying each logic result into five classes, namely:
  - low sensitivity (green),
  - low medium sensitivity (light green),
  - medium sensitivity (yellow),
  - medium high (orange),
  - high sensitivity (red).


