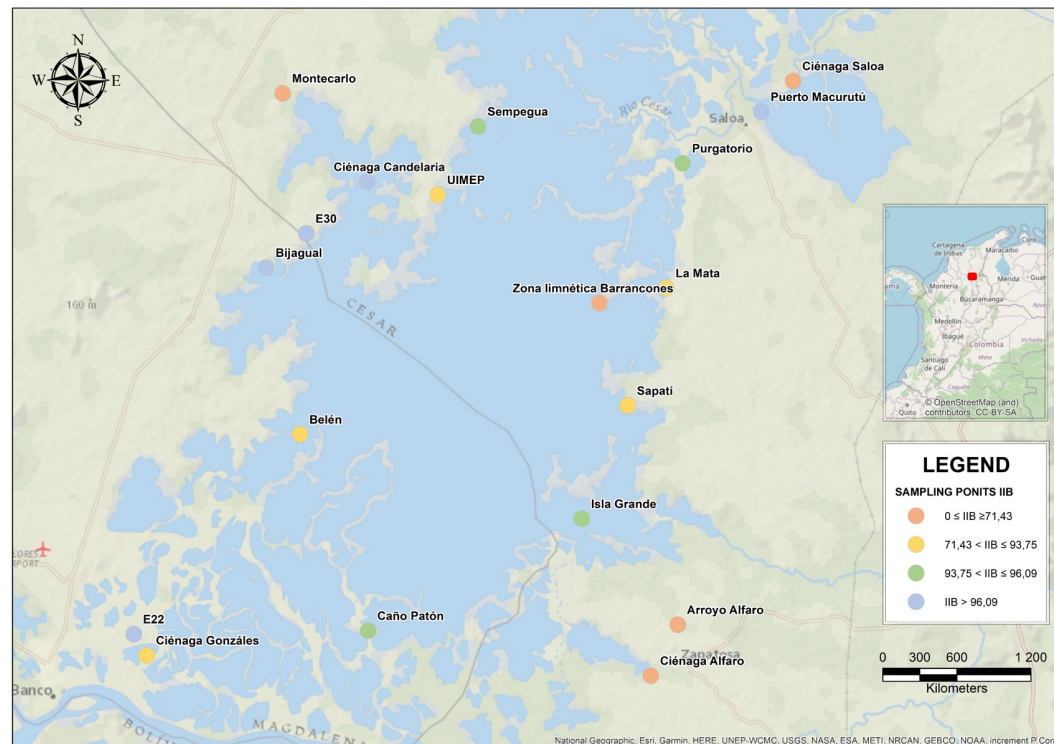
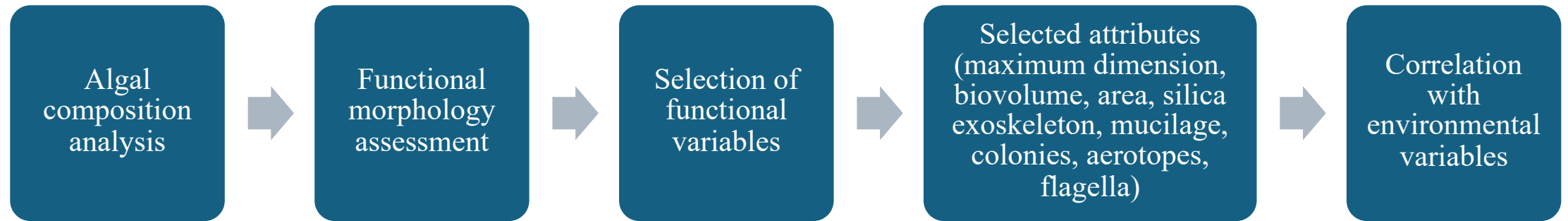


Approach to a biotic integrity index of phycoperiphython in the Zapatos Swamp Complex, Colombia



An ecosystem health assessment tool, based on the periphytic algal community, was developed to determine the biotic integrity and assess the ecological status of the Zapatos Swamp Complex (CCZ).

Value range	Color	Integrity classification
$0 \leq IIB \leq 71,43$	Red	Low biotic integrity
$71,43 < IIB \leq 93,75$	Yellow	Regular biotic integrity
$93,75 < IIB \leq 96,09$	Green	Moderate biotic integrity
$IIB > 96,09$	Blue	High biotic integrity

CONCLUSION: This index is a first approximation as a management tool. It requires future adjustments to take into account seasonal and hydrological changes.