

Trophic Position Analyzer: fact sheet



Aim	This service calculates the trophic position of the invader accounting for the geographic location (locality). The trophic position is determined from the isotopic values of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of the baseline (prey) at each location.
Input	One input file in csv format labelled as "Tax_validated_SIA".
Requirements	- Mandatory fields of the input file are: - catalogNumber – sequential number of entries (1 to n); - scientificName – scientific name of the species; - locality - Location of the study site; - country - Name of the Country of the study site; - decimalLatitude - Latitude of the study site expressed in decimal degrees. - decimalLongitude - Longitude of the study site expressed in decimal degrees. - carbon-13 - δ values of Carbon-13 expressed in permil (‰); - nitrogen-15 - δ values of Nitrogen-15 expressed in permil (‰); - trophicLevel – numeric value indicating the trophic position of prey. Assign "NA" to the invader (predator); - trophicRole – binomial attribute (prey/predator). - Use the above labels for column headers.
Analytical tools	This service uses a Bayesian model based on the R package <i>tRophicPosition</i> v. XXX

Output	One output file in csv format labelled as “Pop_troph_SIA”. In this dataset the “NA” values of the invader trophic position should be replaced by the number indicating the trophic level assessed using this service.
Citations	
Metadata	https://metadatalogue.lifewatch.eu/srv/eng/catalog.search#/metadata/cfa5a24b-5912-48af-8244-bdf301d77b41
Further readings	https://github.com/clquezada/tRophicPosition-release-and-vignettes/blob/master/A_guide_to_the_use_of_tRophicPosition_2016-06-12.pdf