



LifeWatch ERIC e-Science for NIS research workshop | 20-21 May 2021

An event organised within the framework of the LifeWatch ERIC Internal Joint Initiative and with the support of the ENVRI-FAIR project





Crustaceans WORMS Taxonomic Checker

Label: Crustaceans WORMS Taxonomic Checker

Description: Checks Taxonomy verifying the Species

Input: SIA (csv)

Output: Tax_validated_SIA (csv)

Metadata Harmonized: YES

TRL: 4

GUI Integration: YES

Technology: R / Python

Taxonomic Checker

SIA.csv

Tax_Validated_SIA.csv

Trophic Position Analyzer

Label: Trophic Position Analyzer

Description: Analyses the trophic position of the invader

Input: Tax_validated_SIA (csv)

Output: Pop_troph_SIA (csv)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python

Trophic Position Analyzer

Tax_validated_SIA.csv

Pop_troph_SIA.csv



Geographic Checker

Label: Geographic Checker

Description: Creates a coordinates vector and converts to SHP

Input: Pop_troph_SIA (csv)

Output: SIAShapefile (shp)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python

Geographic Checker

Pop_troph_SIA.csv

SIAShapefile.shp



Spatial Viewer and Coordinates Verifier

Label: Geographic Checker

Description: Verifies coordinates match with location

Input: SIAShapefile (shp)

Output: Validated_SIAShapefile (shp)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python

Coordinates Verifier	SIAShapefile.shp+	Validated_SIA.shp
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Environmental Data Extractor

Label: Environmental Data Extractor

Description: Extracts Environmental Data

Input: Validated_SIAShapefile (shp)

Output: Bioclim_predict (csv)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python

Environmental Data Extractor

Validated_SIA.shp

Bioclim_predict.csv



Trophic Positions Modeler

Label: Trophic Positions Modeler

Description: Modelling trophic positions

Input: Pop_troph_SIA (csv), Bioclim_predict (csv)

Output: Predict_troph_map (tiff)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python

Trophic Positions Modeler	Bioclim_predict.csv	
	Pop_troph_SIA.csv	Predict_troph_map.tiff



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