



# RVC Connect

Paulo Branco



**Dammed**  **Fish**



RnVTool

RnVConnect

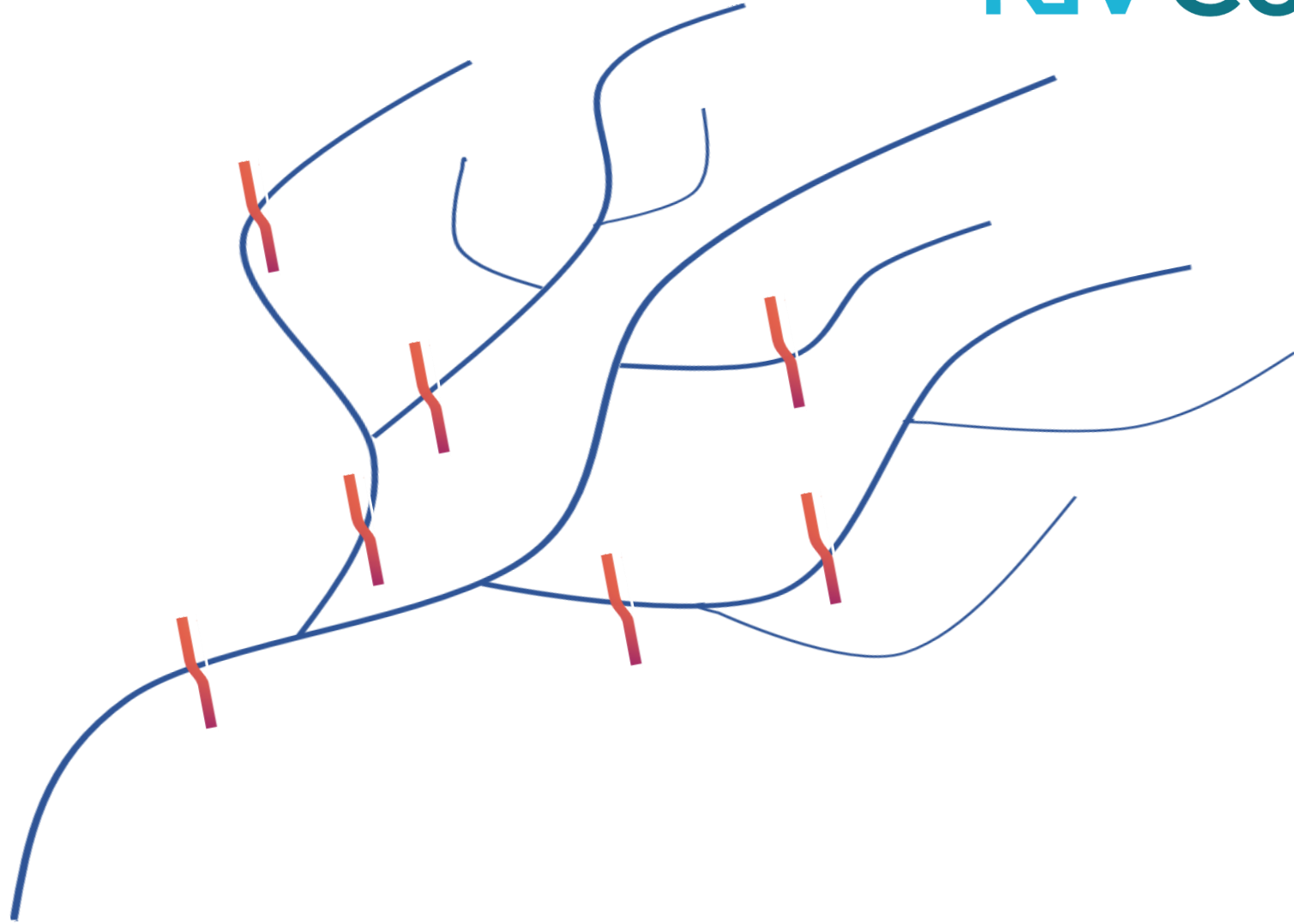


RnVConnect



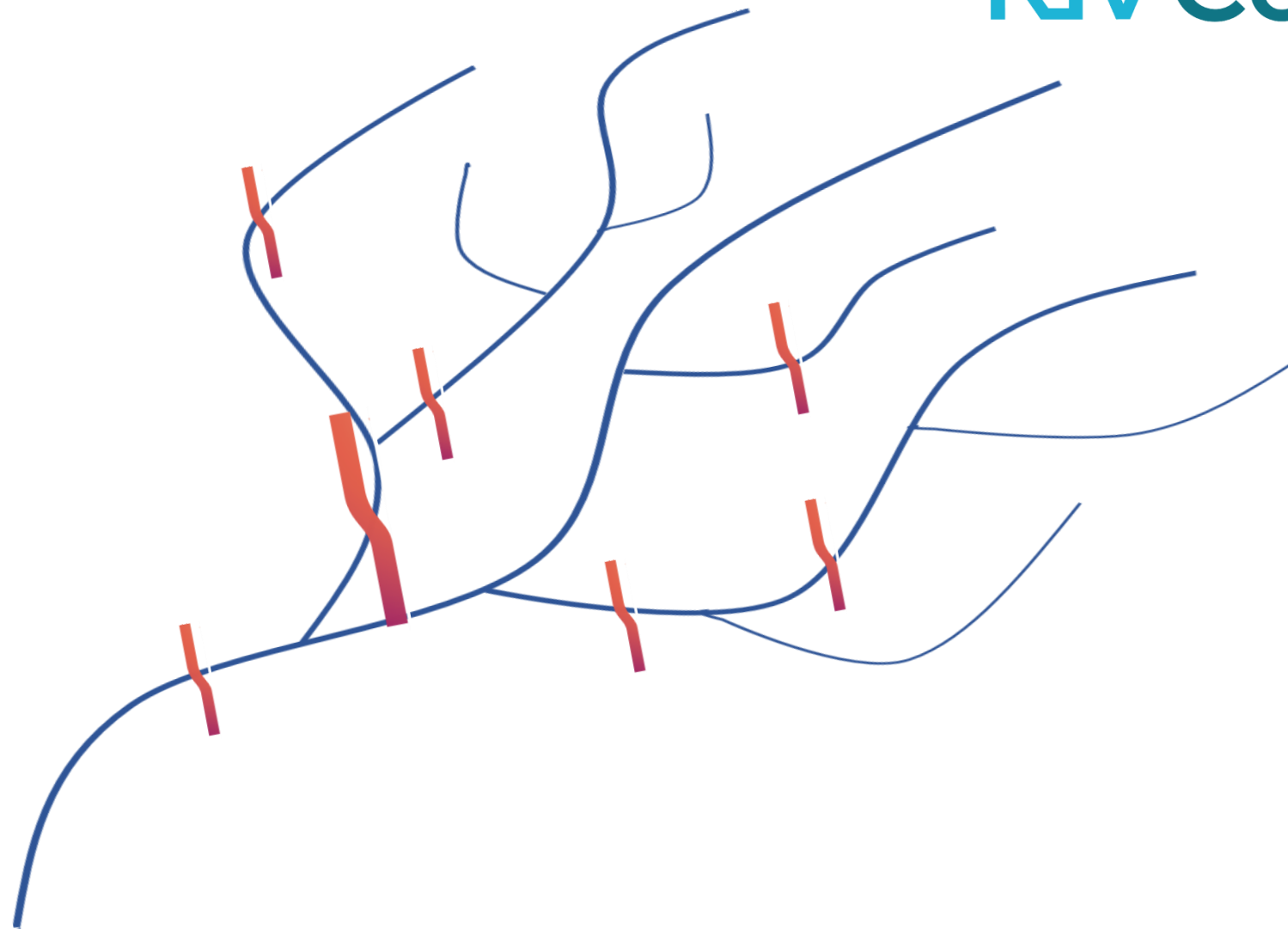


RnVConnect





RnVConnect





## Functions:

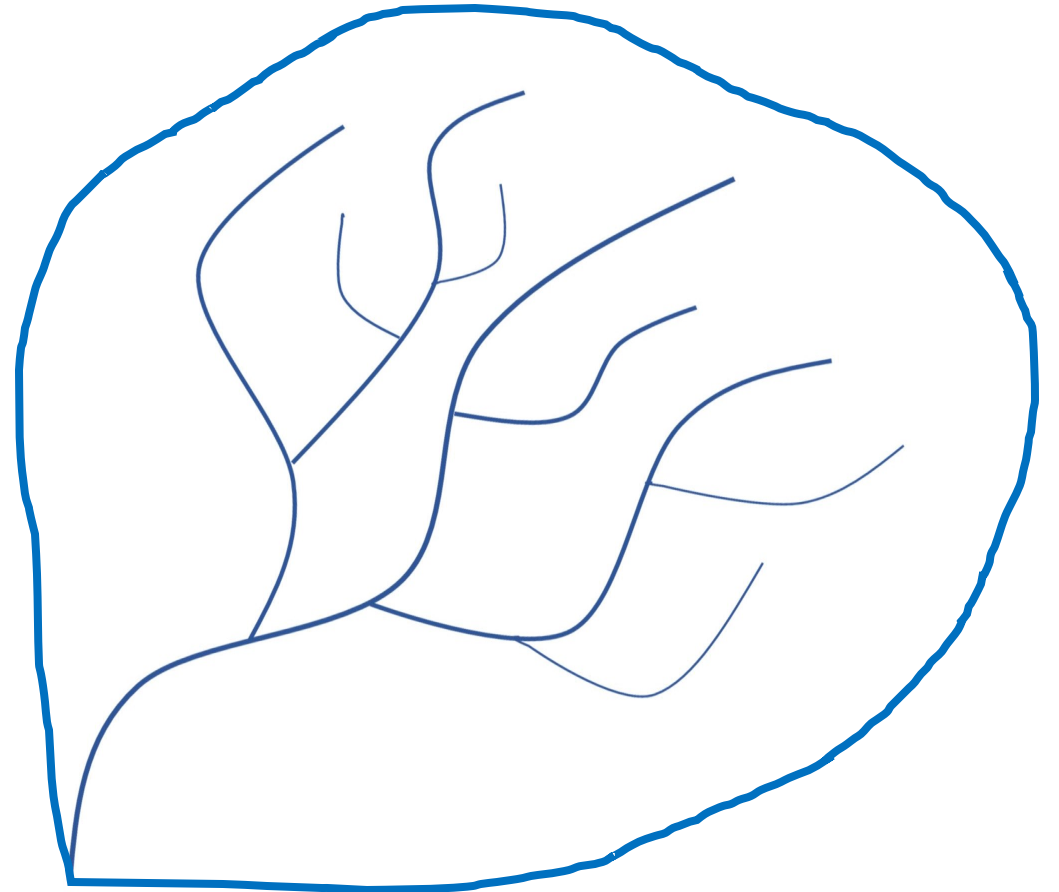
- Connectivity Basic Stats



Calculates number of fragments, barriers, segments (nodes) & connections (between segments) per river network

## Functions:

- Connectivity Basic Stats



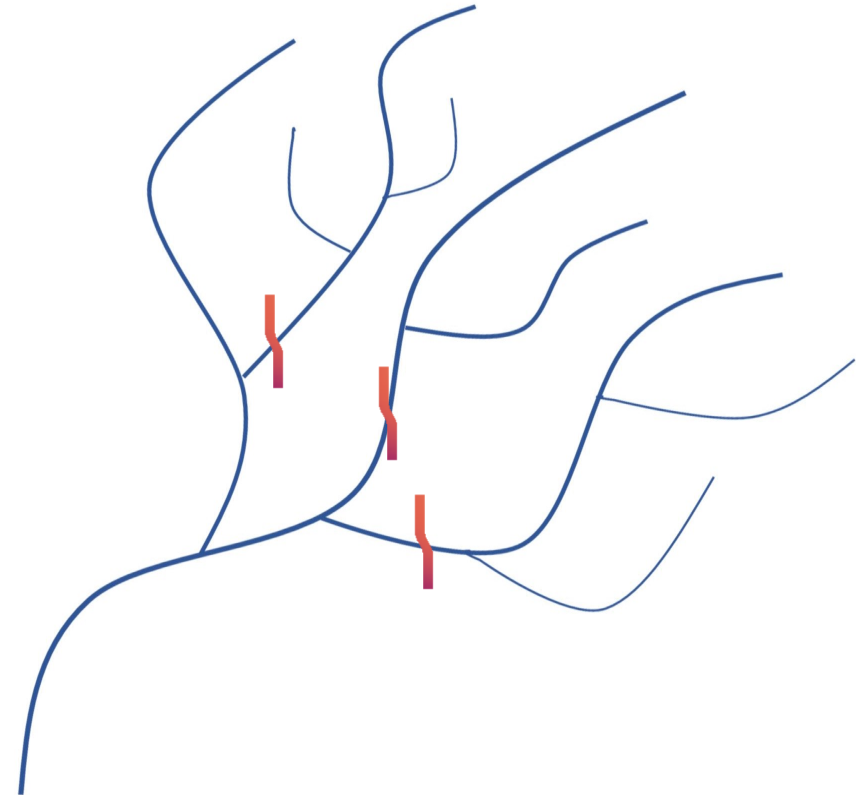




Calculates length, area, number of segments & connections per fragment with a river network

## Functions:

- Connectivity Basic Stats
- Connectivity Fragment basic stats

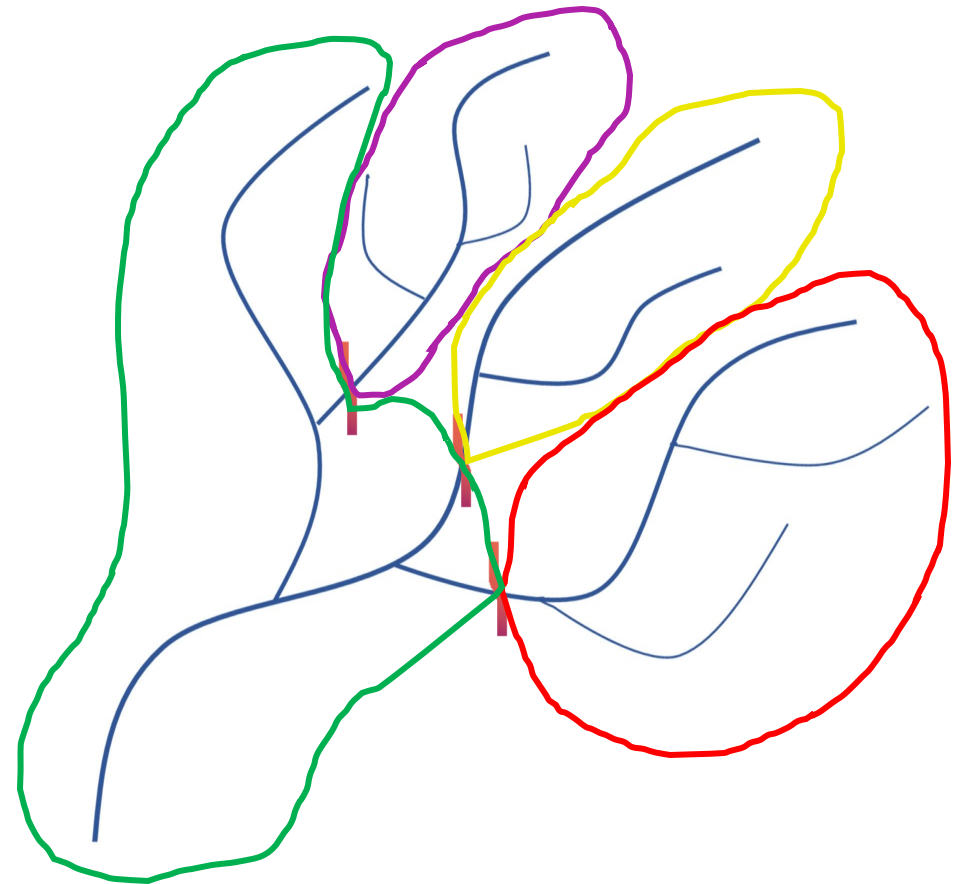




Calculates length, area, number of segments & connections per fragment with a river network

## Functions:

- Connectivity Basic Stats
- Connectivity Fragment basic stats





## Functions:

- Connectivity Basic Stats
- Connectivity Fragment basic stats
- BC
- IIC
- H



## Functions:

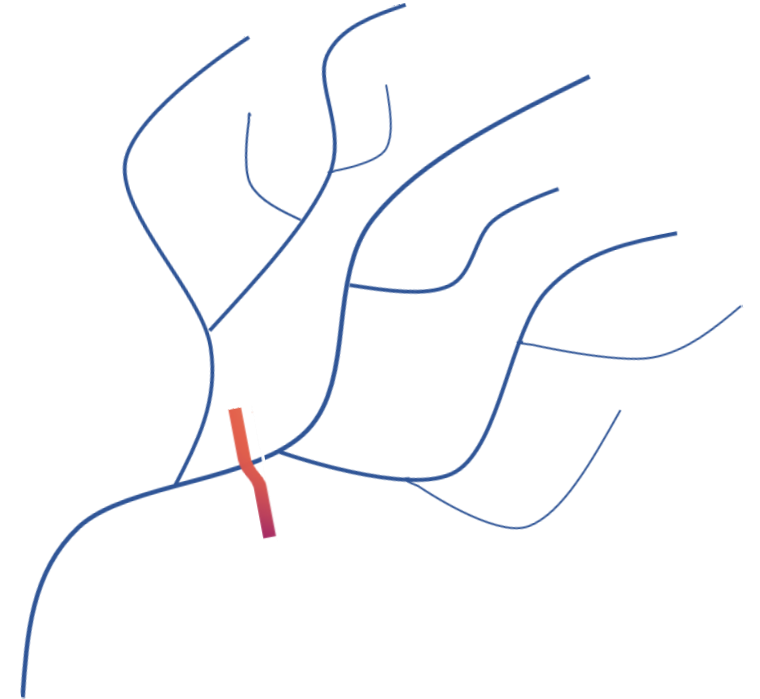
- Connectivity Basic Stats
- Connectivity Fragment basic stats
- BC
- IIC
- H
- PC
- DCId
- DCIp
- cDCI
- Flux
- AWF
- LWF



## Binary

### Functions:

- Connectivity Basic Stats
- Connectivity Fragment basic stats
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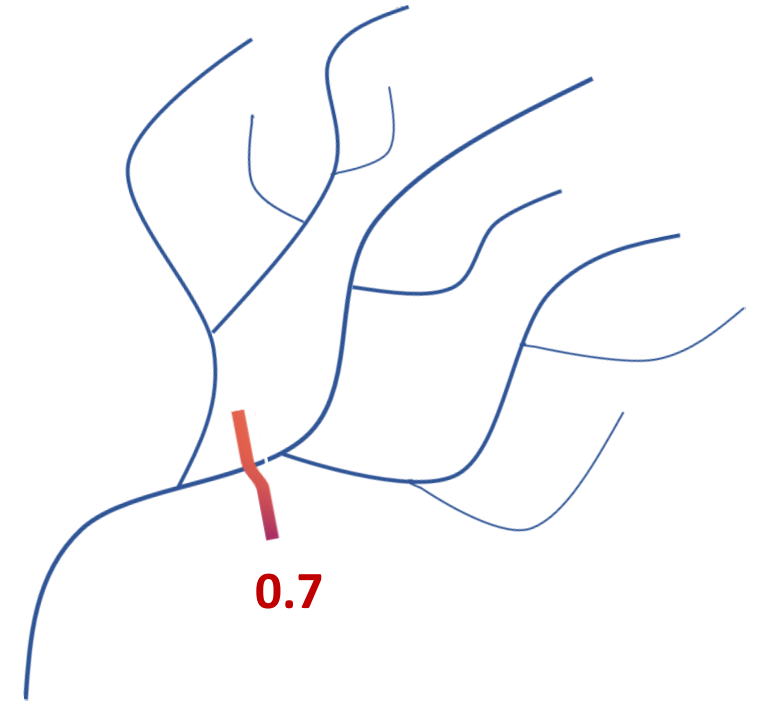


Binary

Probabilistic Symmetric

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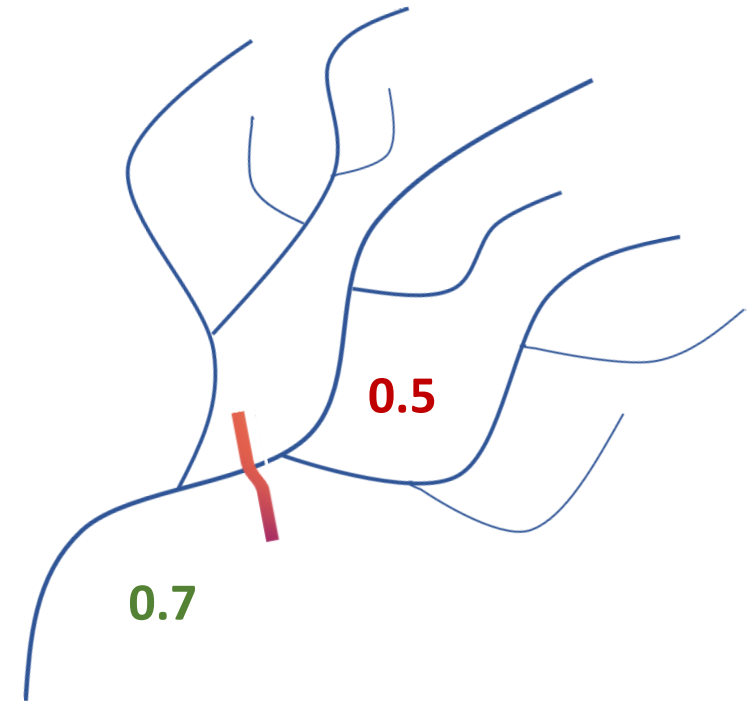
Binary

Probabilistic Symmetric

Probabilistic Asymmetric Adirectional

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Binary

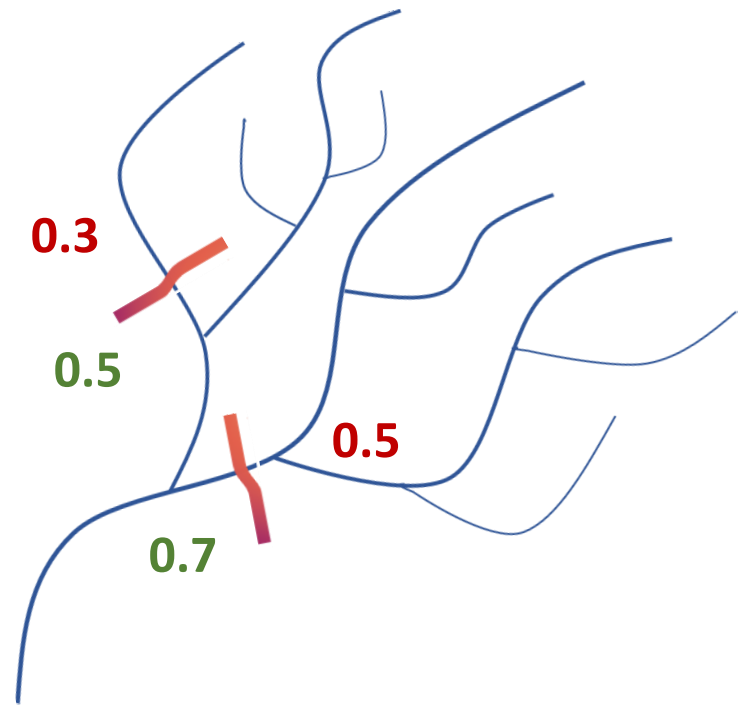
Probabilistic Symmetric

Probabilistic Asymmetric Adirectional

Probabilistic Asymmetric Directional

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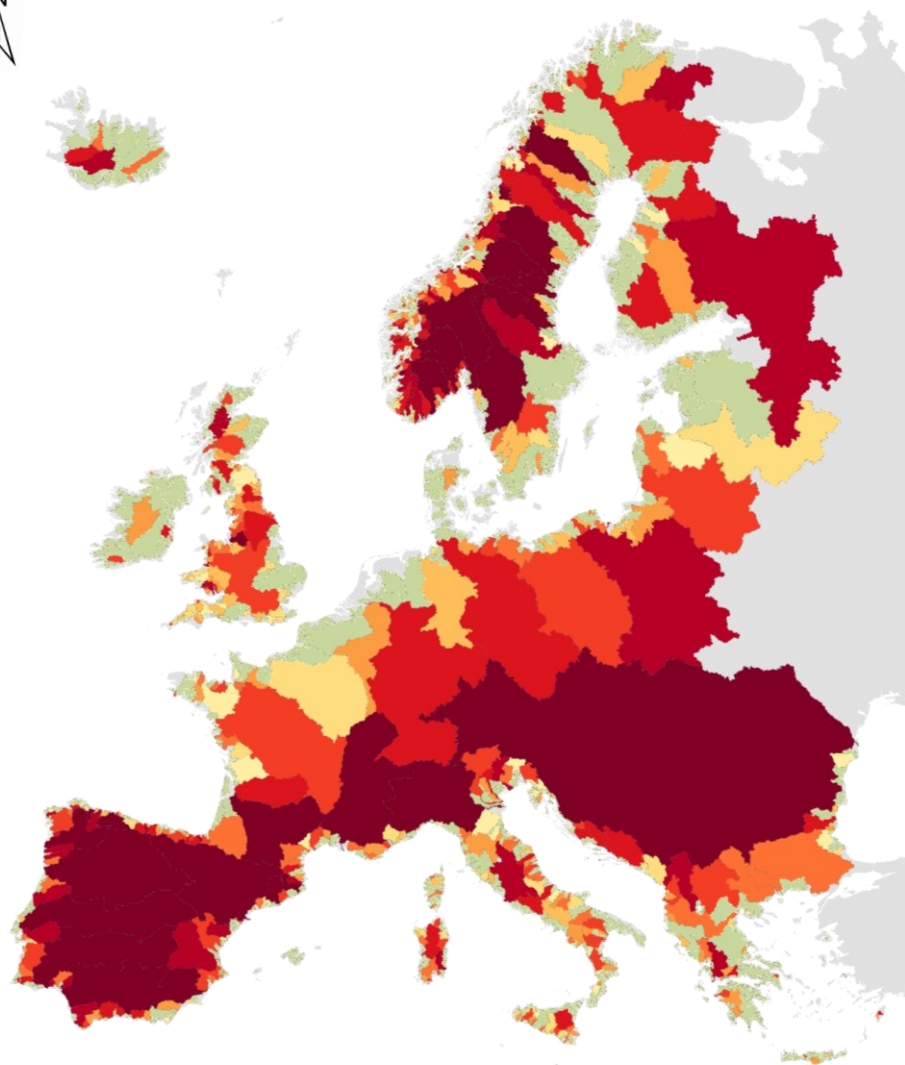
Probabilistic Symmetric

Probabilistic Asymmetric Adirectional

Probabilistic Asymmetric Directional

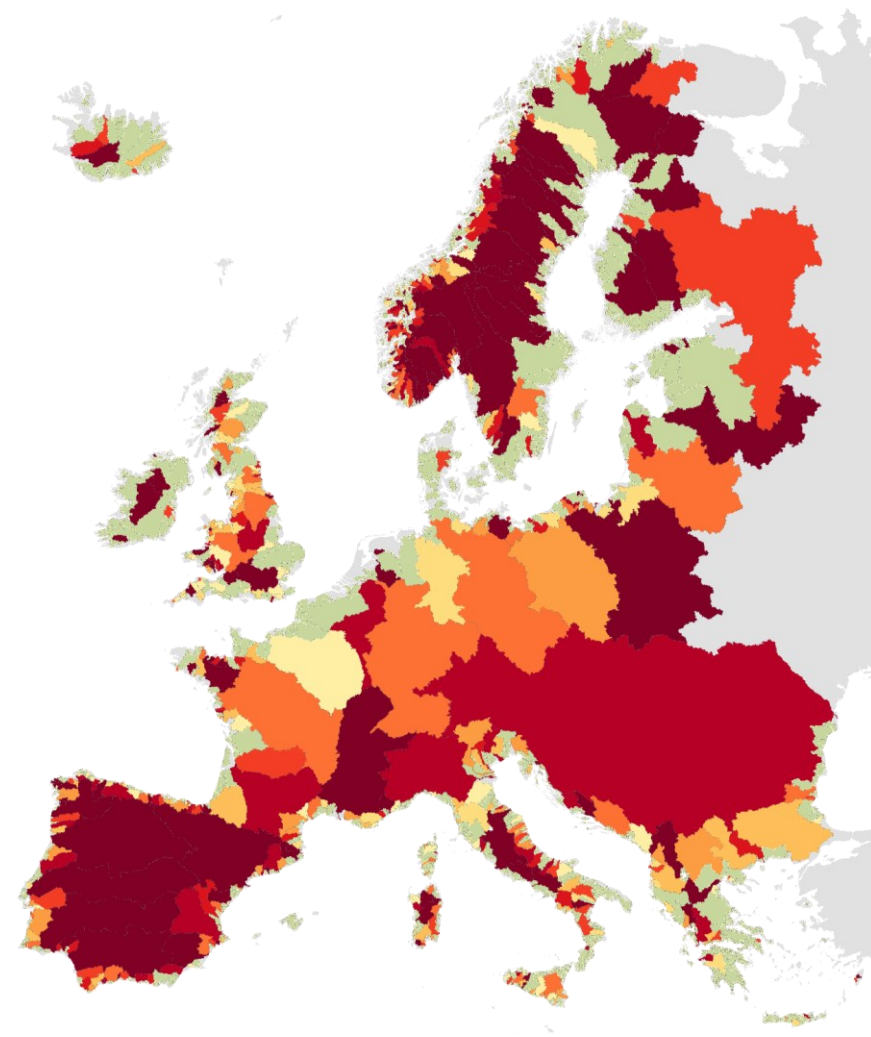
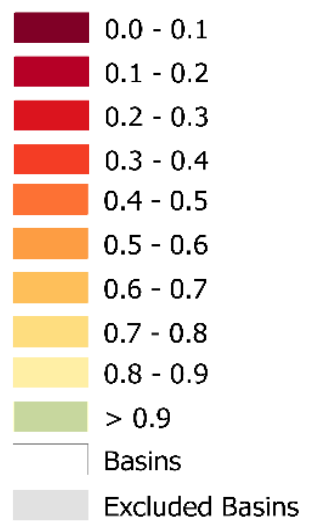
31

## potamodromous




## diadromous

### Dendritic Connectivity Index



0 250 500 Km

## Future developments:

- Fully integration into the RivTool platform 
- New functions
  - Catchment Area-based Fragmentation Index (CAFI)
  - Catchment Area- and Rainfall-based Fragmentation Index (CARFI)
  - River Regulation Index (RRI)
  - River Connectivity Index (RCIvol; RCIclass; RCIrange)
  - Biodiversity Index (BI)
- Graphic representations for enhanced visualization
- Online workshops
- Integration with other plug-ins

# RivConnect



<https://shorturl.at/cOU39>

**Download and help us improve**

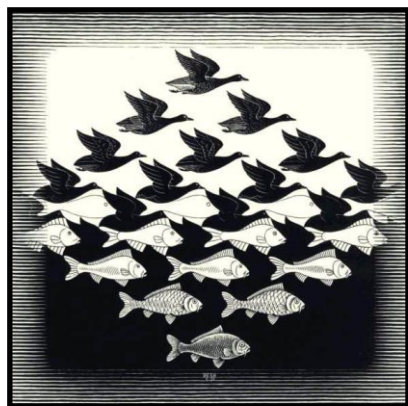


Thank you!  
Obrigado!

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Laboratory for sustainable  
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