



Tools for the Analysis of connectivity in Riverine landscapes

Define potential corridors

Literature research on potential habitats

- e.g. Common Sandpiper Actitis hypoleucos
- o Gravel
- o rocky bank
- o marshes

Define the habitats with Corine land cover types selection of the types and clip it with riverine landscapes

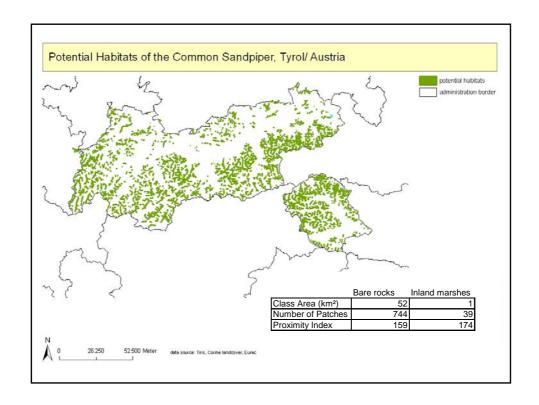
Calculate proximity index (Buffer = dispersal distance species)



Mag. Andrea Bou-Vinals, Institute of Ecology, University Innsbruck

05.11.2009







Tools for the Analysis of connectivity in Riverine landscapes

Outlook

- Quantitative analysis of habitat connectivity by applying representative indices (e.g. class coincidence probability, proximity index, contagion index)
- Define habitats including Temperature, elevation,...
- Overlay/intersect results of fragmentation and barrier analysis as well as distribution maps and migration routes of focal species
- Definition of potential corridors for each focal species and/or taxon in the pilot regions
- Visualise the corridors map in ArcGis

Mag. Andrea Bou-Vinals, Institute of Ecology, University Innsbruck

05.11.2009



