

Some examples on how to use Conefor command line (Saura & Torné, 2009; www.conefor.org)

In these examples it is assumed that the executable file of Conefor command line (conefor.exe) is located in the same folder as the input files for Conefor (node files, connection files). The output files with the results generated by Conefor will be written in the same folder. Using the same folder for all these files makes things easier, avoiding the need to write an entire path for each file.

Note that those below are just a few illustrative examples, but certainly not an exhaustive list of all the available commands and processing possibilities: the details on the syntax and usage instructions should be found in the manual for Conefor and particularly in those for the command line version.

Example 1: the following calculates the overall index values (not the node-level values) for PC (and EC) in an entire region or landscape (in this case "h1"). Since the connection file is here a distance file, the parameter "-t dist" could be omitted (this is the default), but is here included to better show the structure of a typical command line in a more general case.

conefor.exe -nodeFile nodes_h1.txt -conFile distances_h1.txt -t dist all -confProb 200 0.5 -PC onlyoverall

Example 2: the following calculates the PC (and EC) overall value, and dPC (and their fractions intra, flux and connector) and BC(PC) for every node in the landscape (in this case "h1", as before). As in the previous example, the connection file is a distance file, and we here choose to omit "-t dist" (since this is the default, it is not necessary to specify it).

conefor.exe -nodeFile nodes_h1.txt -conFile distances_h1.txt -confProb 200 0.36788 -PC -BCPC

Example 3: the following calculates the PC (and EC) overall value, dPC (and their fractions) and BC(PC) for every node in the landscape (in this case "h1", as before). The difference with the previous example is that now the connection file is a probability file (therefore the option -confProb is not used).

conefor.exe -nodeFile nodes_h1.txt -conFile probabilities_h1.txt -t prob -PC -BCPC

Example 4: the following calculates (using the interesting option "-*") the overall index values (PC, EC) for all the networks (landscapes) that are located in the same folder (pairs of node and connection files) with file names starting with "nodes_" and connection files starting with "distances_" (see the Conefor command line manual for further details). The connection file is a distance file, and we omit "-t dist" (since this is the default).

conefor.exe -nodeFile nodes_ -conFile distances_* -confProb 200 0.36788 -PC onlyoverall

Example 5: The following calculates (using the interesting option "-*") the overall index values (PC, EC), and the dPC (and fractions intra, flux, connector) for every node and for all the networks (pairs of node and connection files) that are located in the same folder with file names starting with "nodes_" and connection files starting with "distances_" (see the Conefor command line manual for further details). The connection file is a distance file, and we omit "-t dist" (since this is the default).

conefor.exe -nodeFile nodes_ -conFile distances_* -confProb 200 0.36788 -PC

See the Conefor command line version for many other options and parameters.