# Species' range dynamics affect the evolution of spatial variation in plasticity under environmental change

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## File specifications

Two types of data are stored on Dryad:

- The Nemo configuration files used to run the simulations (*Nemo_ini_files.tar.gz*)

- The simulations' summary statistics for phenotypic plasticity (with and without pleiotropy) and environmental tolerance for all three range dynamics scenarios (RS, RE and NE) (*Nemo_summaryData.tar.gz*).

The source and header files of Nemo2.3.51 (Guillaume and Rougemont 2006) that were extended for evolving phenotypic plasticity can be found in the following repository:

https://sourceforge.net/projects/nemo2/files/Publications-Code/SchmidDalloGuillaume-AmNat-2019/

## Special characteristics

The *Nemo_summaryData.tar.gz* files contain summary statistics averaged over all 20 replicates for each patch (the column names are ending with patch numbers, e.g., *...1*) at three different moments in time. Data were collected after burn-in (the column names starting with *g9...*), immediately after the range dynamics have stopped (*g219...*), and 150 generations after the end of the range dynamics (*g369...*).

We used alternative abbreviations for the range dynamics scenarios (RS, RE, NE) in the Nemo ini-files (*Nemo_ini_files.tar.gz*) and in the simulation summaries (*Nemo_summaryData.tar.gz*). These alternative abbreviations are remnants from an earlier naming convention of this piece of work.

- ES = RS
- EE = RE
- EC = NE

## Questions

In case of questions, please contact the corresponding author Frédéric Guillaume.

# Reference

Guillaume, F., and J. Rougemont. 2006. Nemo: An evolutionary and population genetics programming framework. Bioinformatics 22:2556–2557.