

Master Lectures

In the frame of the master of Mathematics in Cergy University

<https://www.u-cergy.fr/fr/formations/schema-des-formations/master-lmd-XB/sciences-technologies-sante-STS/master-mathematiques-program-f36-103.html>

and with the support of EcoDep, we will introduce lectures opened to EcoDep oriented students.

A course « Recherche 1 » will be consist in 4 two-weeks sessions (5 hours each) during November, December, January and February, respectively

Evaluation of the course is subject to the redaction of a memorandum

Four thematics within the following ones will be selected each year

- modeling of abundance in ecology (R Rebolledo ; P Marquet, Santiago)
- modeling in population dynamics (T Huillet ; O Klesov, Kiev ; Y Sahli, ISFA Lyon)
- self-normalization & Taylor's law (P Doukhan ; V de la Pena, Columbia New-York)
- time series with covariates and applications (L Truquet, ENSAI, Rennes)
- time series for biodiversity (G Durrieu, UBS Vannes)
- high dimensional time series (J Rynkiewicz, Paris 1 ; P Alquier, Tokyo)
- breaks and non-stationarity (W Kengne)
- econometric methods in ecology (JL Prigent ; E Renault, Warwick)
- modeling in genomics (X Li, Duluth ; JP Feugeas, Besançon)