



UNIVERSIDAD
COMPLUTENSE
MADRID

Kalman Filter

$$\dot{x}(t) = rx(1 - x/K)$$

Runge-Kutta
Algorithm

$$x_{t+\Delta t} = f_{RK}(x_t)$$

International Seminar on Continuous vs Discrete-Time Bioeconomic Models: Seasonal Fisheries

Tuesday, 17 November 2015, 11.45 h.

Universidad Complutense de Madrid
Facultad de Ciencias Económicas y Empresariales
Salón de Grados del Pabellón Central (Decanato)
Campus de Somosaguas, Pozuelo de Alarcón (Madrid)

- 11.45-12.00 Welcome speech: NILS science and sustainability project "Stochastic bioeconomic and population dynamics modeling of collapsed fisheries". José María Maroto Fernández (UCM)
- 12.00-12.45 A bridge between continuous and discrete-time bioeconomic models: Seasonal fisheries. José María Maroto Fernández (UCM)
- 12.45-13.30 Stock assessment methods and reference points for Northeast Atlantic fish stocks. Carmen Fernández (ICES)
- 13.30-14.15 Some important aspect in Ecosystem Based Fishery Management (EBFM) of commercial fisheries. Leif K. Sandal (NHH)
- 14.15-15.00 From deterministic to stochastics: modeling and numerics. Carlos Vázquez Cendón (UDC)
- 16.00-16.45 Battling seasonality – experiences from norwegian interventions to smooth supply. Øystein Hermansen (NOFIMA)



Contact

José María Maroto Fernández
Complutense University of Madrid
Dept. of Statistics and Operations Research II
maroto@ccee.ucm.es
grupocofractal.com/en/projects