

 Content archived on 2019-03-15

NEW METHODS FOR THE ANALYSIS AND CONTROL OF POPULATION AND ECOSYSTEM DYNAMICS.

Fact Sheet

Project Information

Grant agreement ID: EV3V0614

Project closed

Start date

1 January 1982

End date

31 December 1983

Funded under

Sectoral research and development programme (EEC) in the field of environment (environmental protection and climatology) - indirect and concerted actions - Environmental protection -, 1981-1985

Total cost

No data

EU contribution

No data

Coordinated by

Politecnico di Milano



Objective

DEVELOPMENT OF QUANTITATIVE METHODS FOR THE MATHEMATICAL DESCRIPTION OF POPULATION AND ECOSYSTEM DYNAMICS.

THE RESEARCH PROGRAMME WILL DEVELOP AND APPLY MODERN QUANTITATIVE METHODS TO THE STUDY OF A NUMBER OF PROBLEMS

CONNECTED WITH THE DYNAMICS OF POPULATIONS AND ECOSYSTEMS.

THE FOLLOWING PROBLEMS WILL BE TACKLED:

- 1) EVOLUTION MODELS WHICH EXPLICITELY TAKE INTO ACCOUNT ECOLOGICAL AND PHYSIOLOGICAL CONSTRAINTS, WITH PARTICULAR REFERENCE TO THE GENUS HYDRA;
- 2) A CRITICAL APPRAISAL OF THE K-SELECTION THEORY WITH REFERENCE TO TRENDS IN THE POPULATIONS OF PREDATORS;
- 3) ESTIMATION OF VITAL POPULATION PARAMETERS WITH REGARD TO SEVERAL AGE CATEGORIES AND POPULATION DENSITIES ON THE BASIS OF MASS CULTURES AND MORTALITY TABLES. FIELD DATA GAINED FROM PHILODINA ROSEOLA POPULATIONS WILL BE USED FOR THE CALCULATIONS.
- 4) DETERMINING THE BEST WAYS OF EXPLOITING A PRODUCTIVE ECOSYSTEM, NAMELY USING FIELD DATA ON EELS IN THE VALLI DI COMACCHIO;
- 5) STUDY ON ENERGY PRINCIPLES FOR COMPETING SPECIES.

Programme(s)

[PRE-ENVPROT 3C - Sectoral research and development programme \(EEC\) in the field of environment \(environmental protection and climatology\) - indirect and concerted actions - Environmental protection -, 1981-1985](#)

Topic(s)

Data not available

Call for proposal

Data not available

Funding Scheme

[CSC - Cost-sharing contracts](#)

Coordinator



Politecnico di Milano

EU contribution

No data

Total cost

No data

Address

Piazza Leonardo da Vinci 32

20133 Milano

 Italy 

Last update: 23 January 1994

Permalink: <https://cordis.europa.eu/project/id/EV3V0614>

European Union, 2025