CURRICULUM VITAE

CAVAILHES Jean

Chargé de mission
CESAER (UMR n° 1041 INRA/AgroSup, Dijon, France)

WORKING ADDRESS:

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EDUCATION

Agricultural engineer (Institut National Agronomique, 1968)
Master of Economics (Université de Bourgogne et d’Alger, 1972)

ACADEMIC POSITIONS

1968-1988: Chargé de Recherche
1988-2011: Directeur de recherche
2011-now : Chargé de mission
1994-1999: Head of the Department of Rural Economics and Sociology (Département d’Economie et Sociologie Rurales) of the INRA (Institut National de la Recherche Agronomique).

Research Fields

Urban economics applied to periurban areas

J. Cavailhès elaborates urban microeconomic models with mixed residential/agricultural belts in metropolitan where exist proximity interactions between economic agents. The goal is to explain the scattered urban development and the residential spread into the countryside surrounding cities. Some of these models are calibrated on real world data; others use fractal geometry or cellular automata in collaborations with geographers. Urban polycentrism and urban sprawl are explained by analytical models of urban economics and economic geography.

Environmental economics applied to landscape and climate values.

This research program evaluates hedonic prices of environmental goods, principally periurban landscapes in several French metropolitan areas, in collaboration with geographers to model the landscape view from ground level. The hedonic price of the climate is estimated, and its capitalisation into rents and wages allows assessing the contribution of global warming to the French GDP. The households’ energy consumption is analysed in relationship with climate.

Economic geography applied to urban forms.

Analytical models combine urban economic and economic geography with the purpose of explaining metropolitan polycentrism and urban growth patterns, when urban costs (commuting and land rent) are the major dispersion force.

Land and real estate economics applied to housing and land market.

Hedonic prices of housing attributes are estimated by the way of Rosen’s method; land rent gradients are estimated by the way of land econometrics models, particularly to take into account urban influences on periurban farmland prices. These models are extended to
empirical and microeconomics works on effects induced by cities on surrounding agriculture and the location of agricultural productions (France, Belgium).

**Recent academic publications (selection 2011-2016)**


