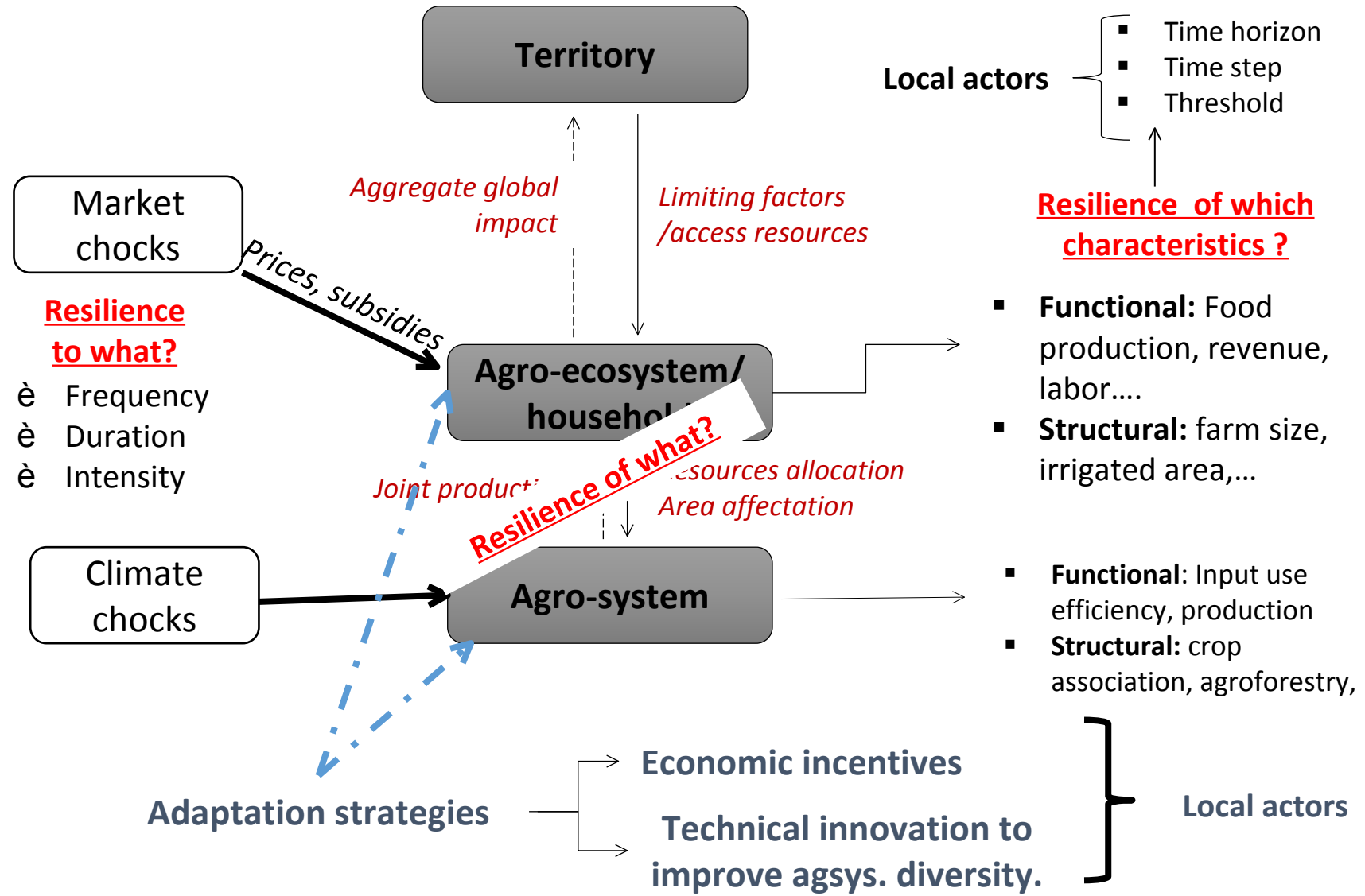


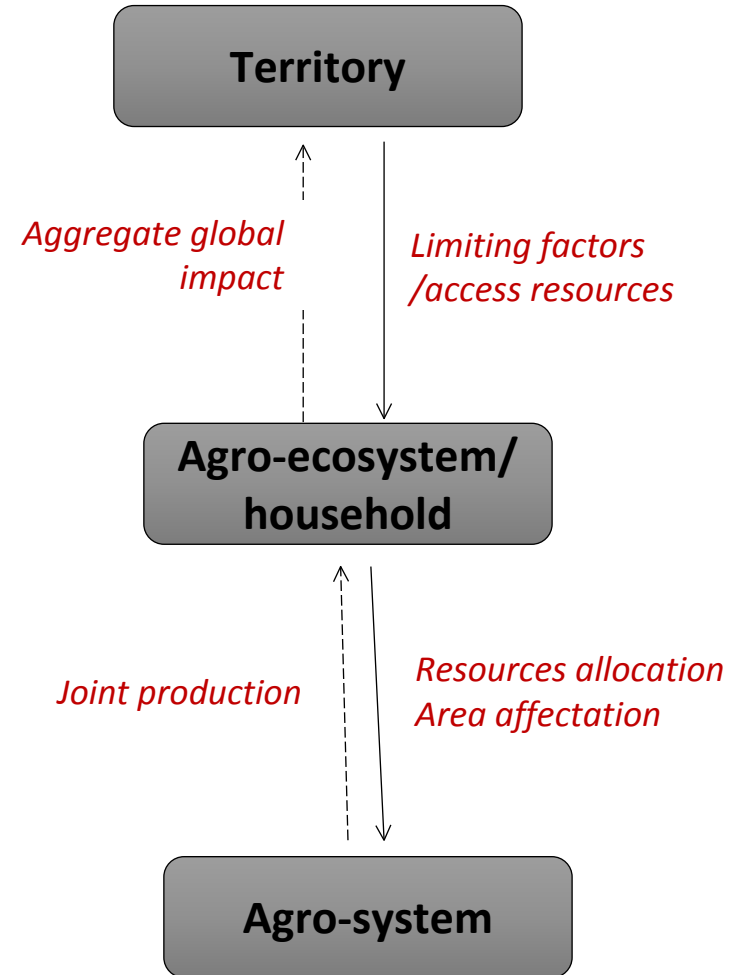
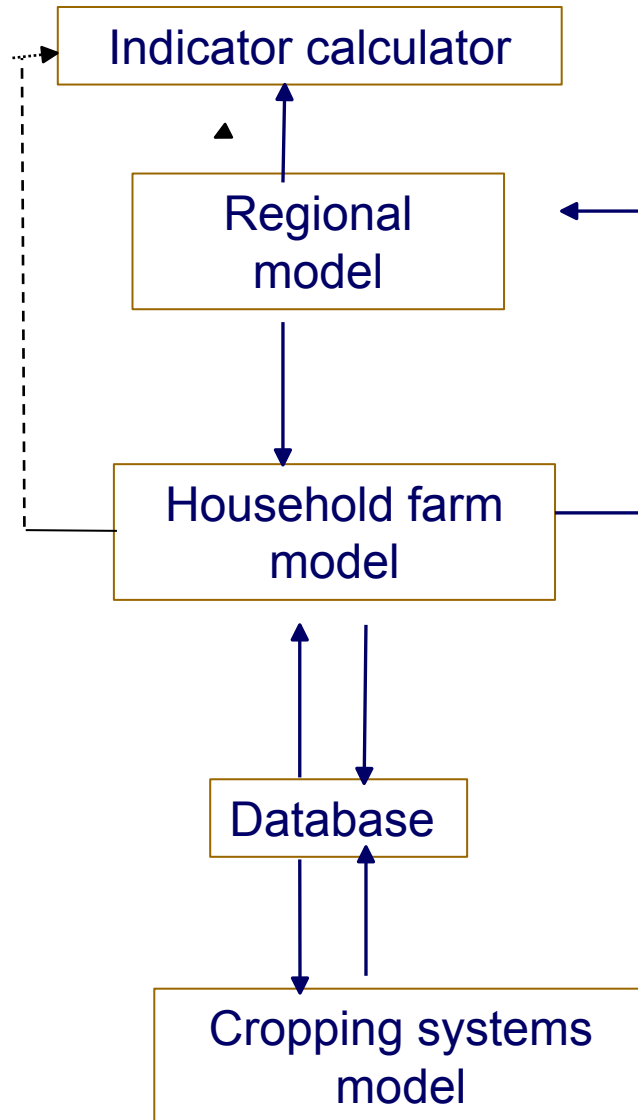
Methodological challenges for designing resilient household farming systems in dryland areas -forecasted trajectories, risks and provision of ecosystem services-

H. Belhouchette, G. Kleftodimos

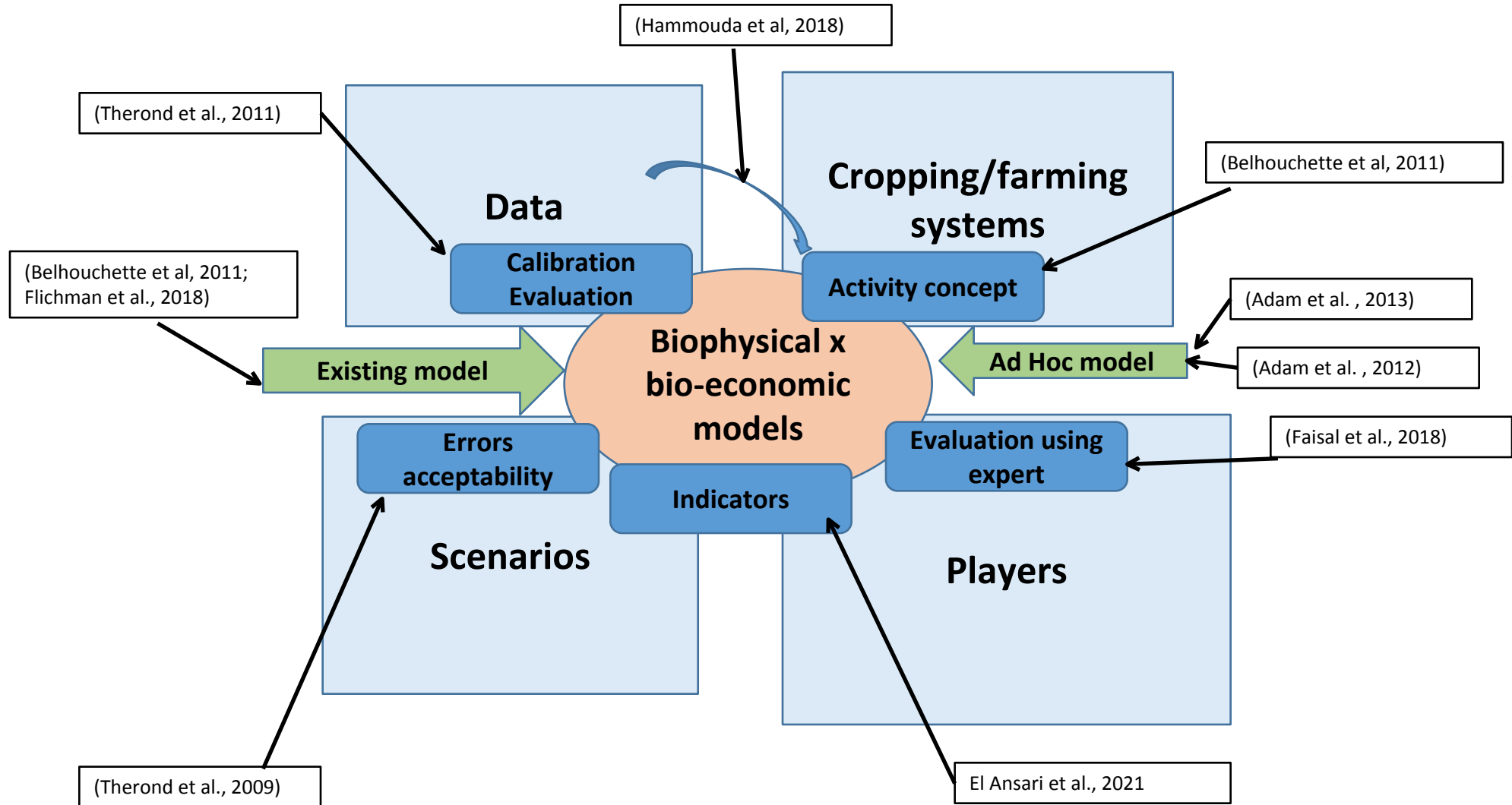
« Resilience framework » to test the diversity-Resilience hypotheses.



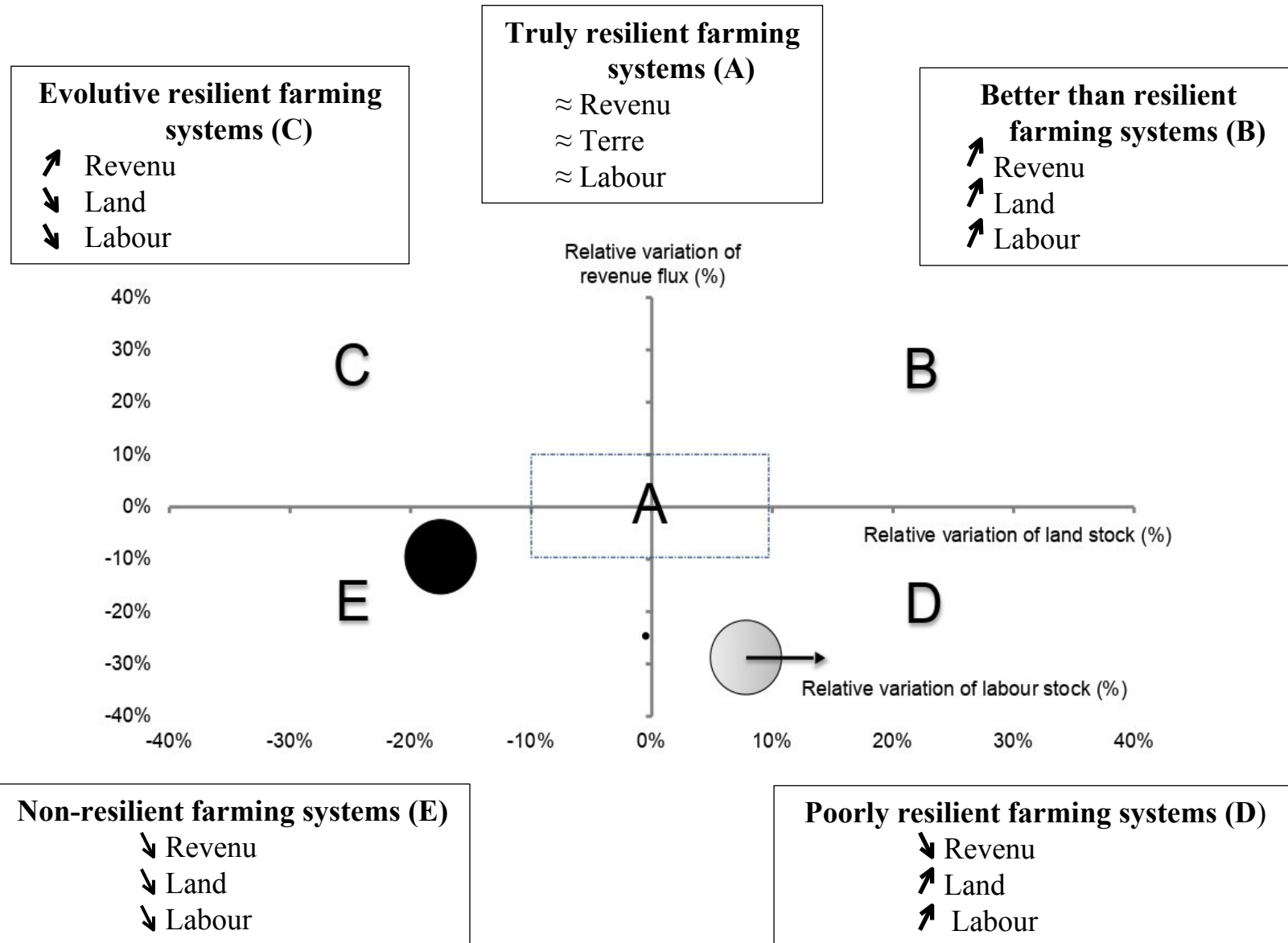
Modelling chain for Resilience analysis



Determinants for model and data selection and evaluation

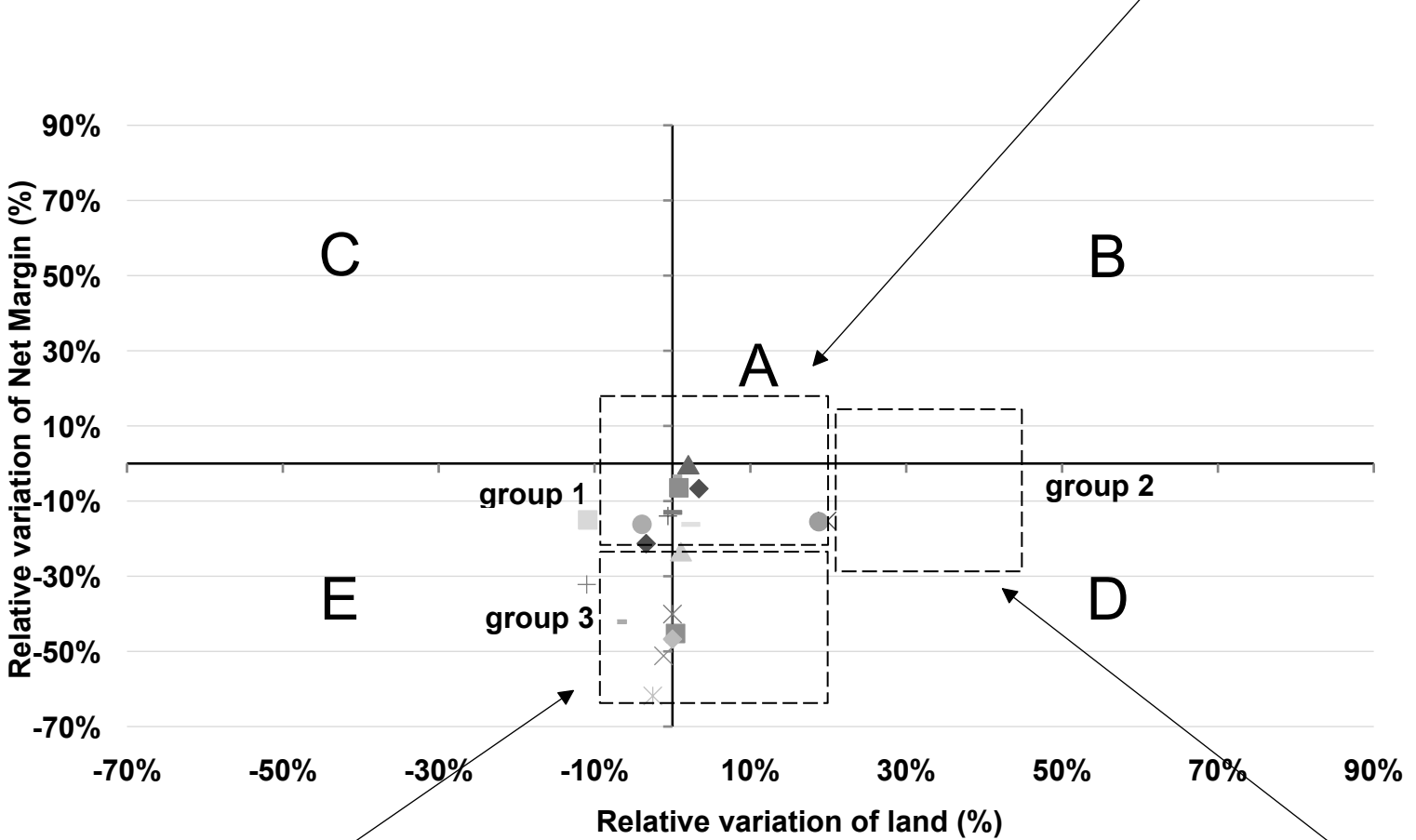


Resilience analysis framework



Example of results: Cereal based-production area

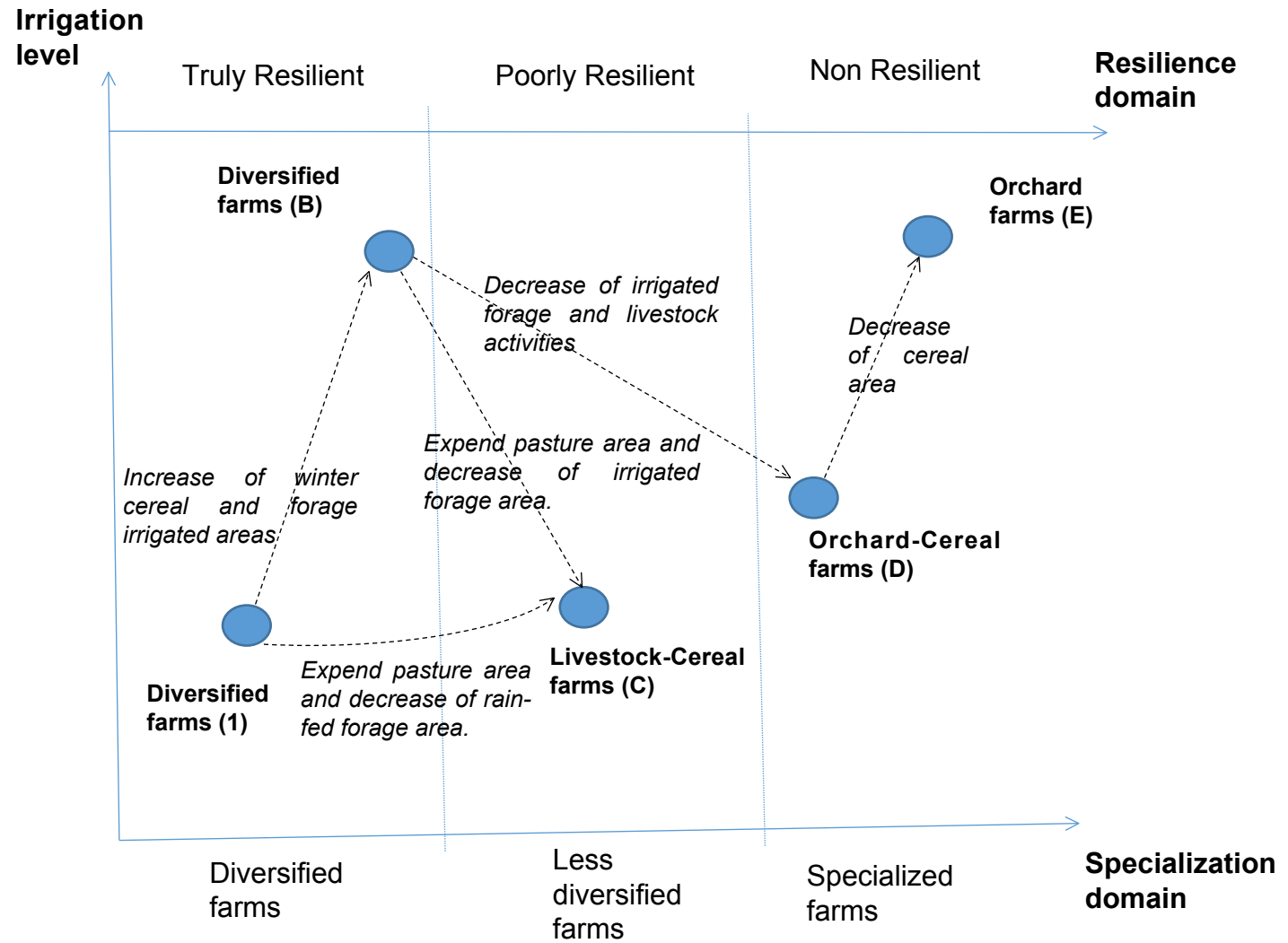
Truly resilient farming systems (A)
Diversified annual crops and livestock –
small perennial trees



Non-resilient farming systems (E)
Orchards or orchards and
rain-fed cereals

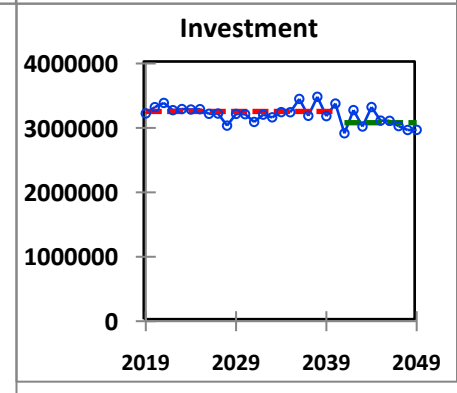
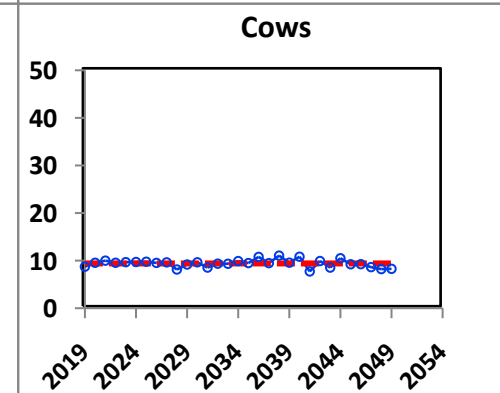
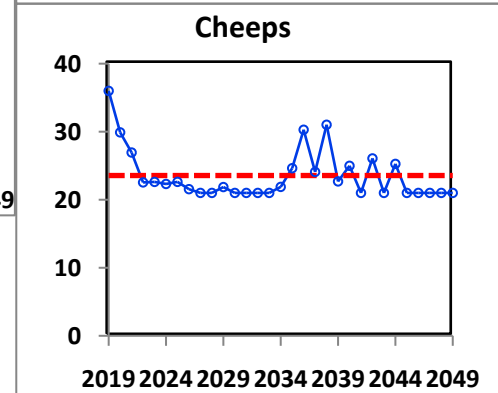
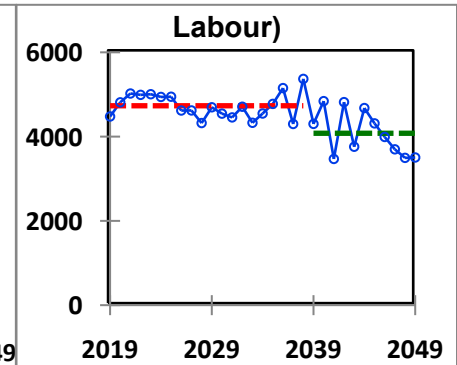
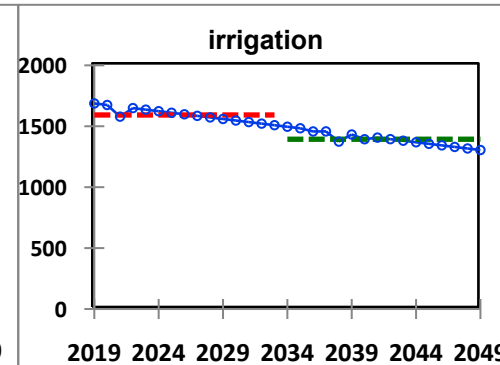
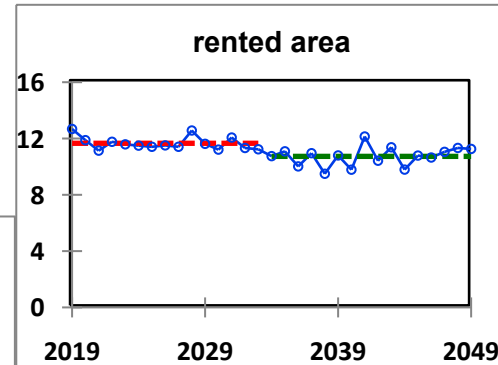
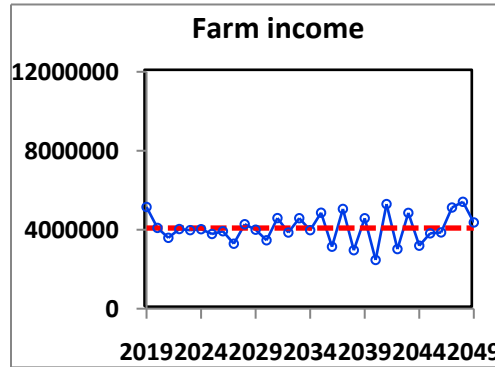
Poorly resilient farming systems (D)
Less mixed farming systems

Resilience of the dominant farming systems in the South Mediterranean area, by considering both their structure, their dominant activities irrigation levels, and their potential trajectories under climate change



Design of Resilient Farming Systems

**Irrigated mixed farms
(including Bovine and
ovine livestock)**



**Cereal/fallow farms
(only ovine livestock)**

