



TALANOIA



Talanoia Water Dialogue for Transformational Adaptation to Water Scarcity Under Climate Change

**Participative workshop towards 4.1 : Having a
common structure & adapting each labs work**

8 marc 2022, online

**Why should we adopt an innovation system
approach**

in the Talanoia Project ?

JM. Touzard, N. Graveline



Why should we adopt an innovation system approach in the Talanoa Project ?

- Innovation = intentional introduction of novelty in a socio-economic system : can be technical, organisational, institutional...
- Incremental (one component), radical (partial redesign), transformative (new system)
- Not just adoption by farmer/firm
- Not just a linear process from inventors to adopters or from researchers to farmers,
- Not just an economic question

Innovation is a complex, iterative, multiactors process with economic, cognitive, relational, policy dimensions

Synthèses

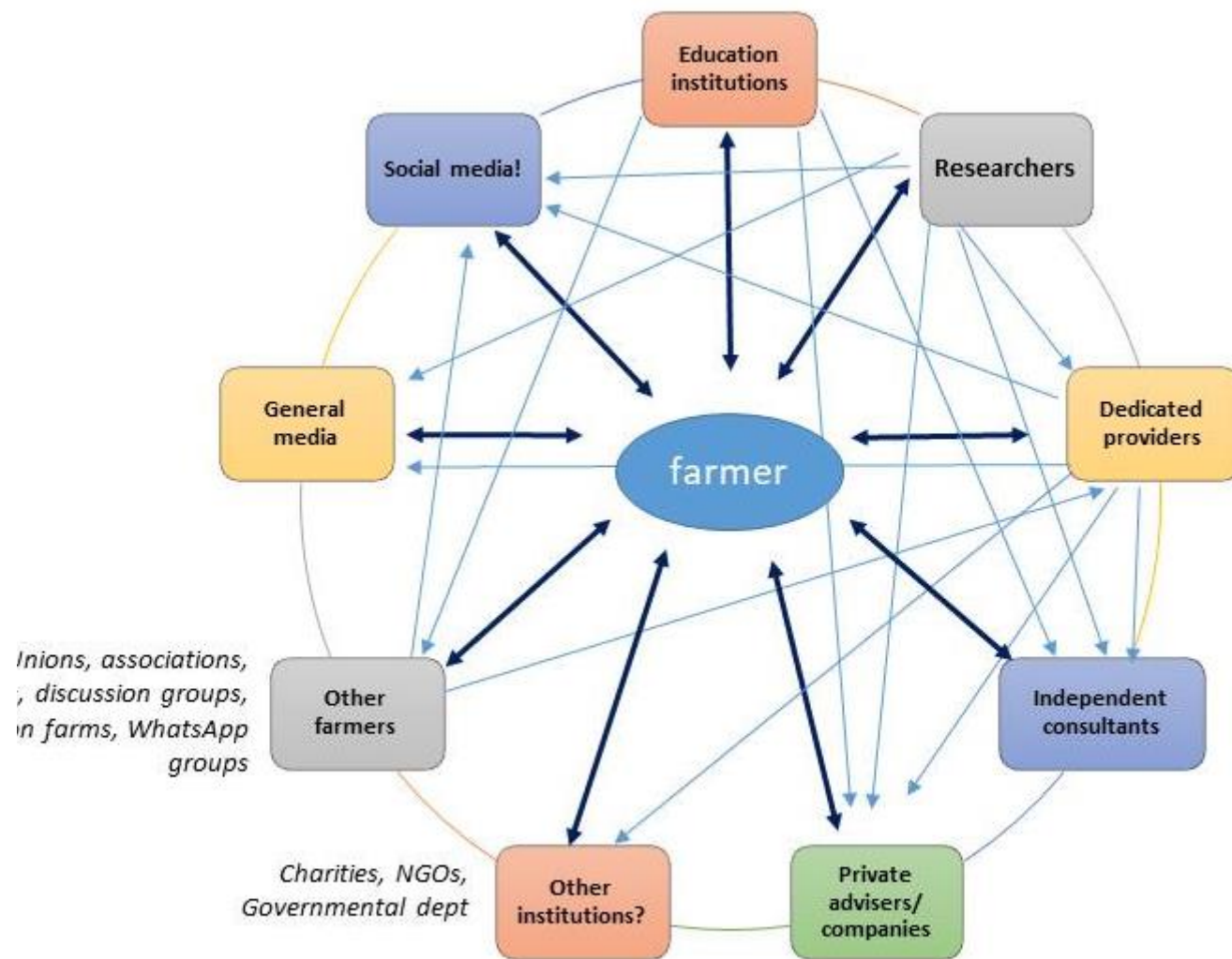
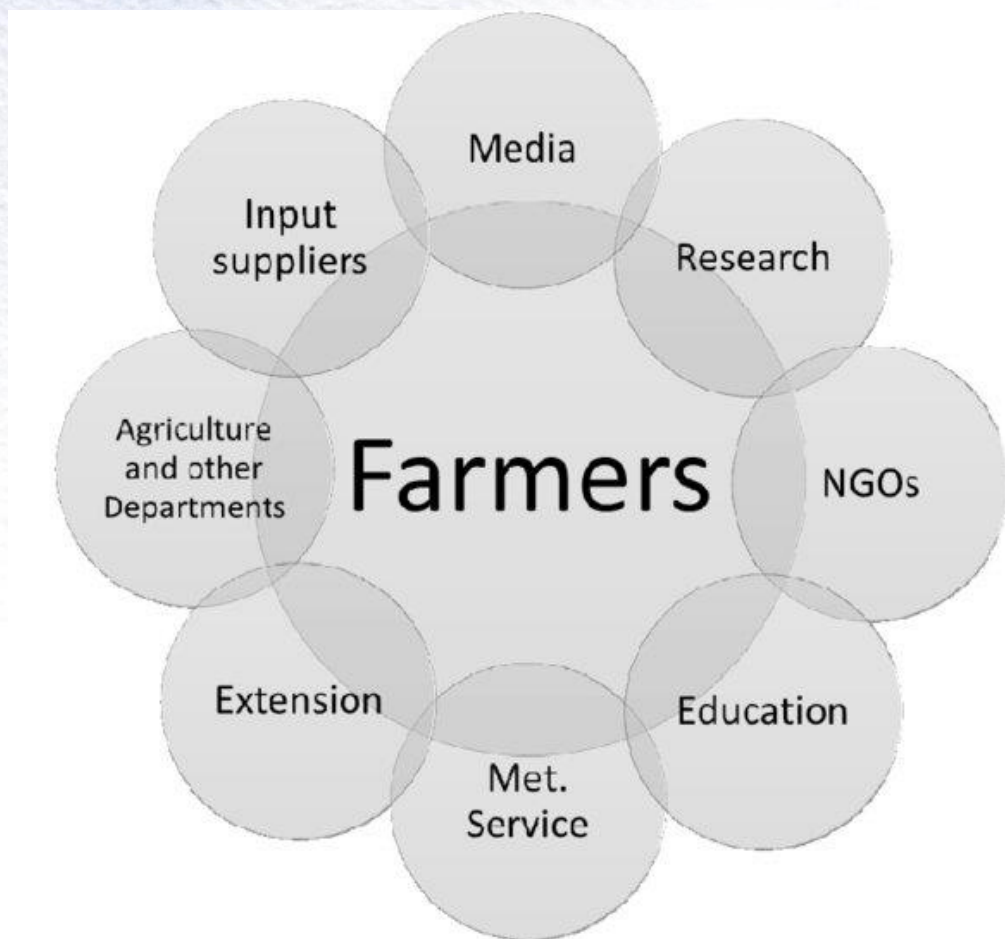
Innovation and development
in agricultural and food systems

Guy Faure, Yuna Chiffolleau, Frédéric Goulet,
Ludovic Temple and Jean-Marc Touzard, editors
Afterword : Gaël Giraud



éditions
Quæ

Taking into account multiple stakeholders ... and their relations





National innovation system :

network of institutions whose interactions determine the national innovative performance

(Freeman, Lundvall, 1994)

Sectoral Innovation System :

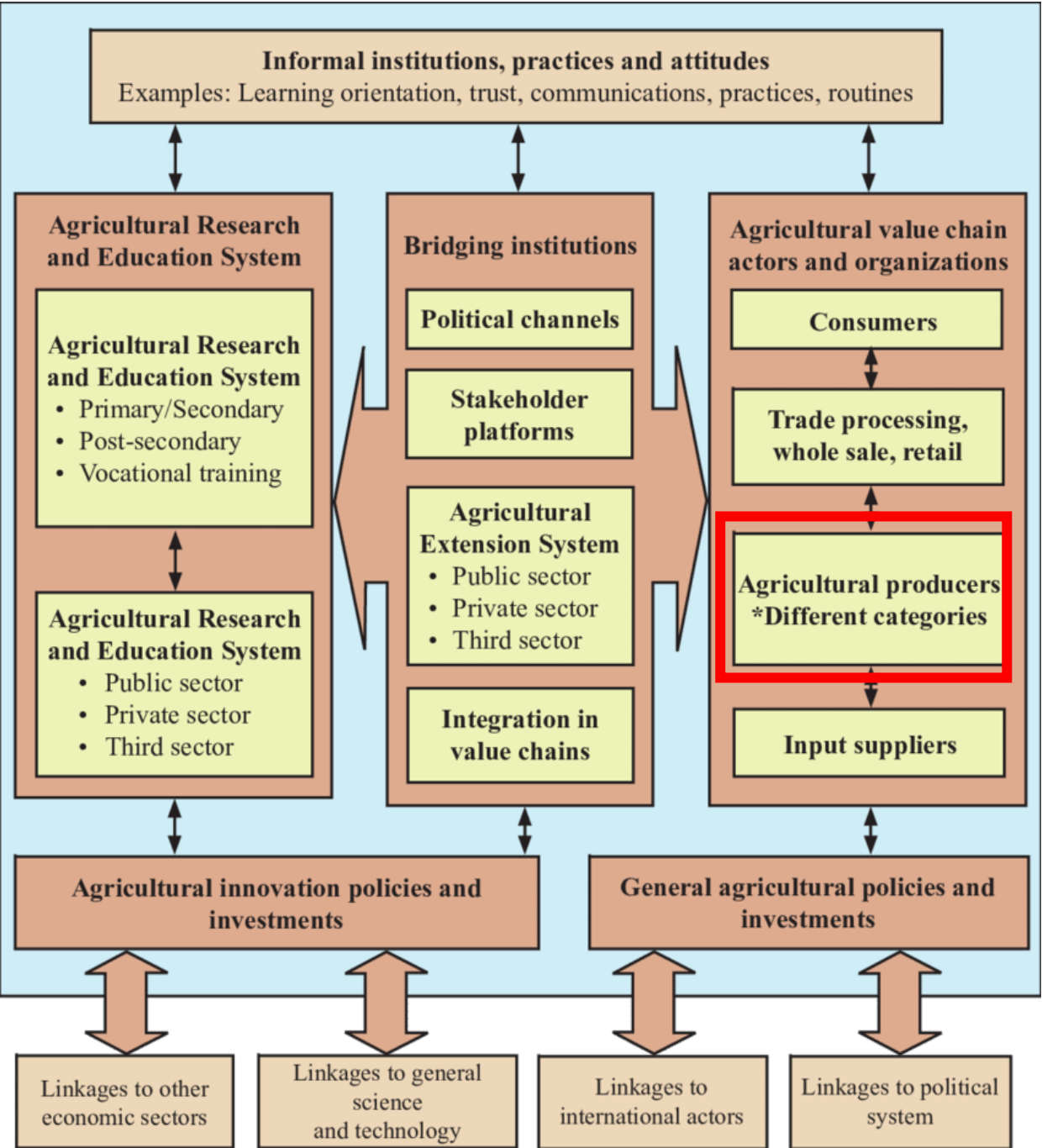
Specific actors, institutions, knowledge that interact for innovation in a sector

(Malerba 2004)

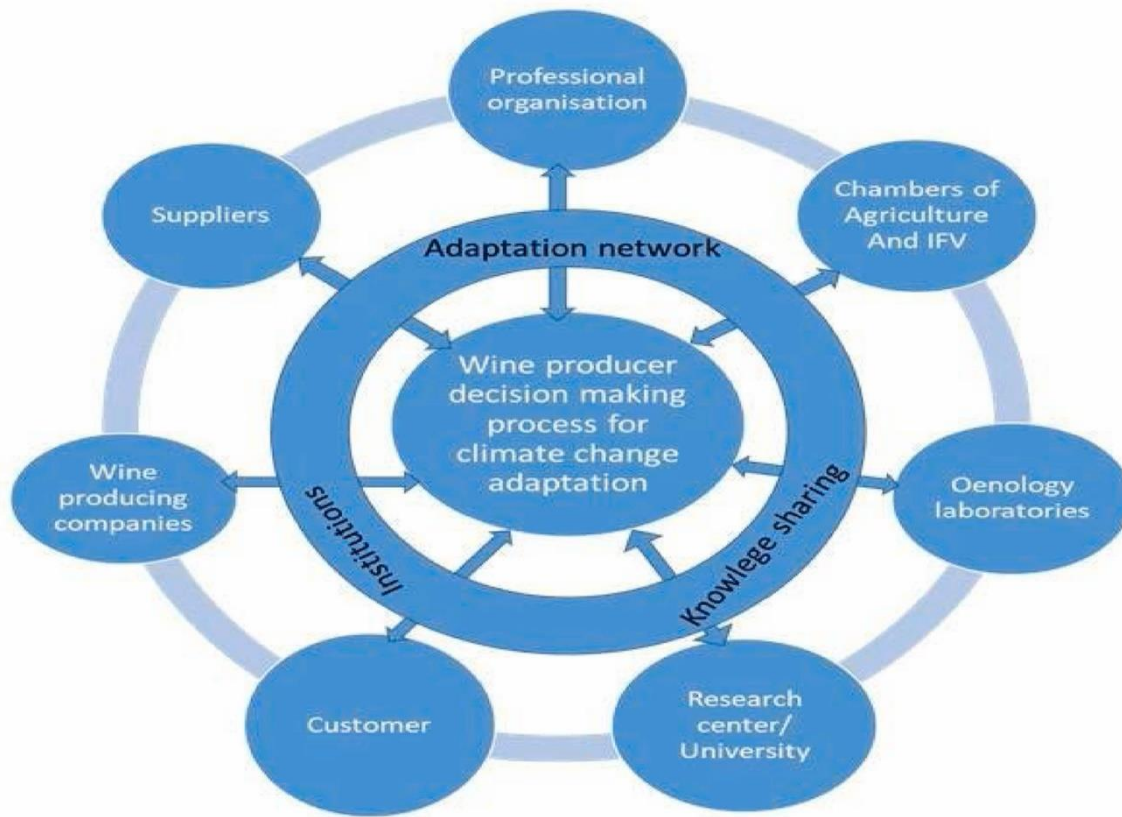
Agricultural Innovation system:

The set of organisations, institutions, their networks and knowledge flows that influences innovation in the agricultural sector

(World Bank 2006, Klerkx 2012, Touzard et al. 2014)

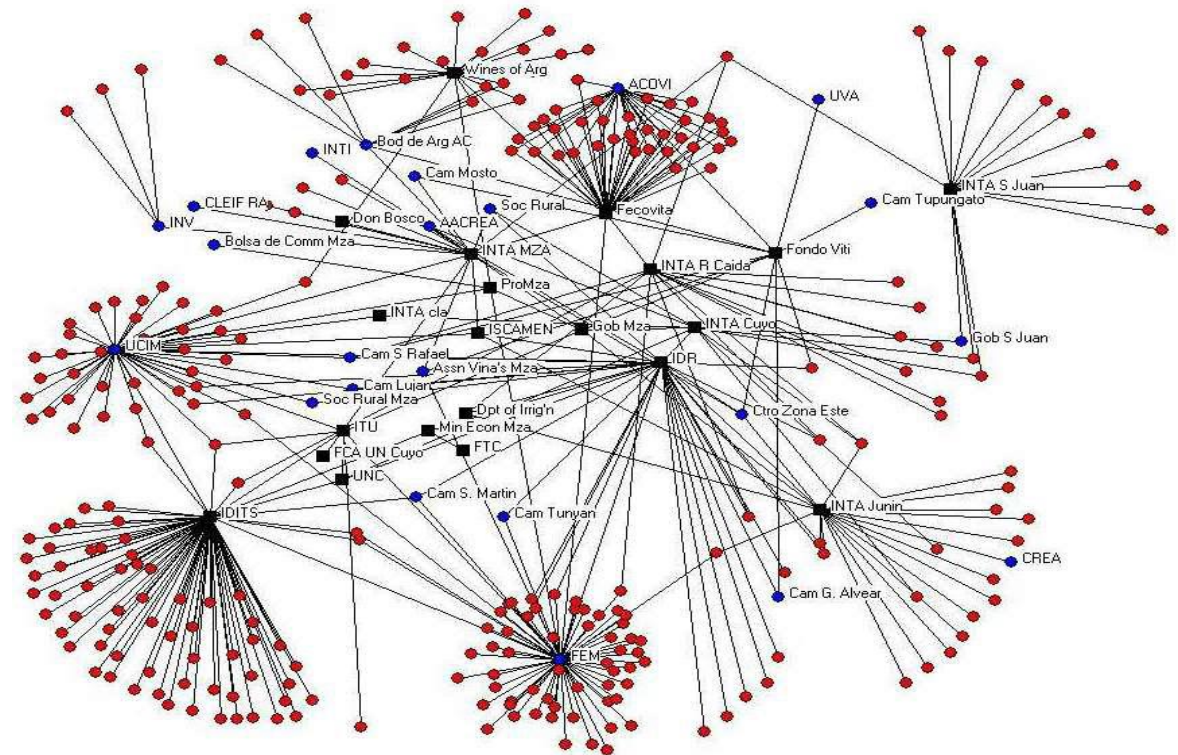


Specific sector or supply chain
Ex : the wine sector in France



(Boyer, Touzard, Journ of Cleaner prod 2021)

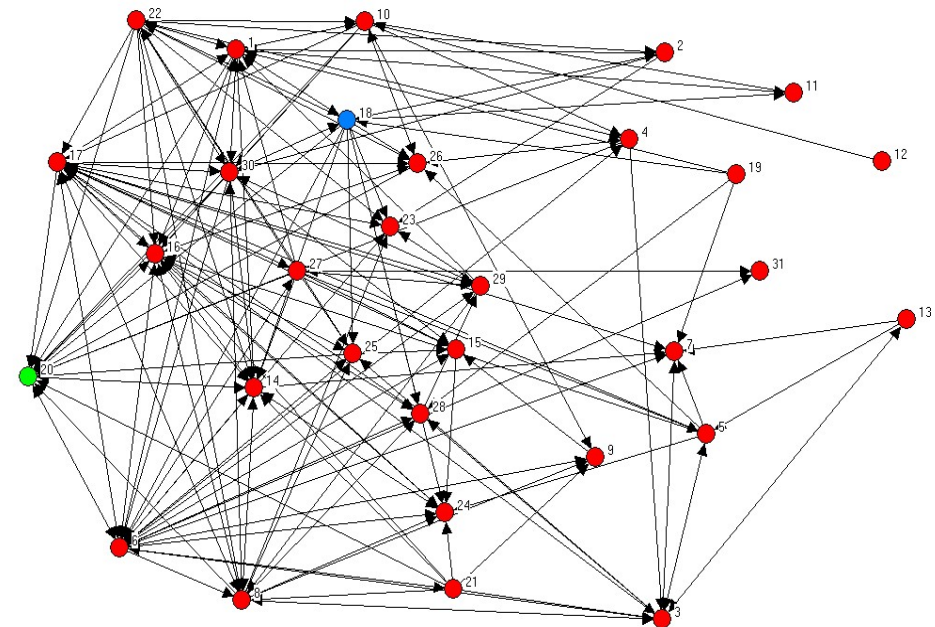
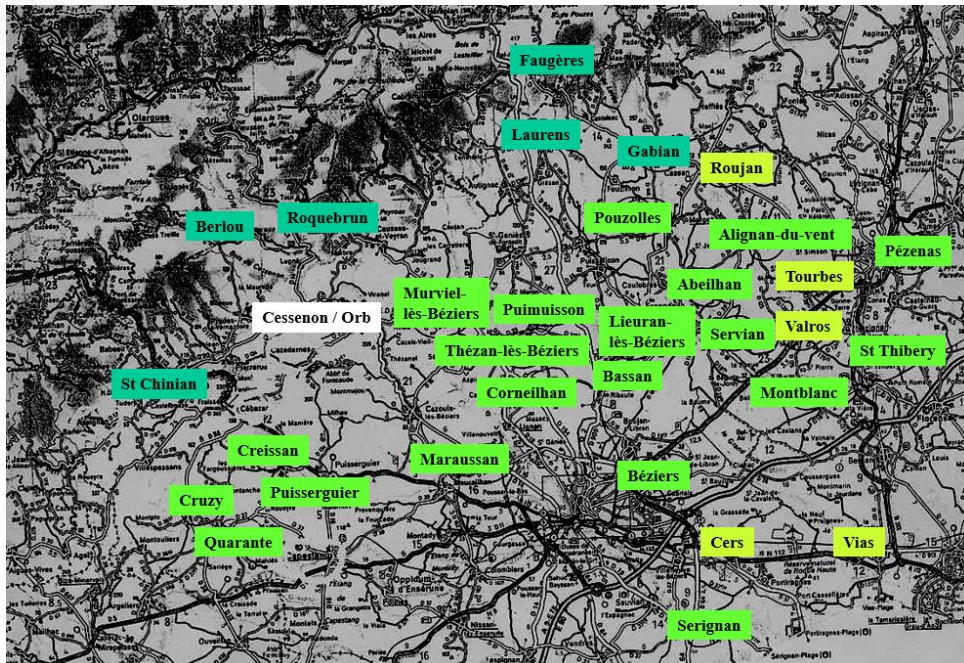
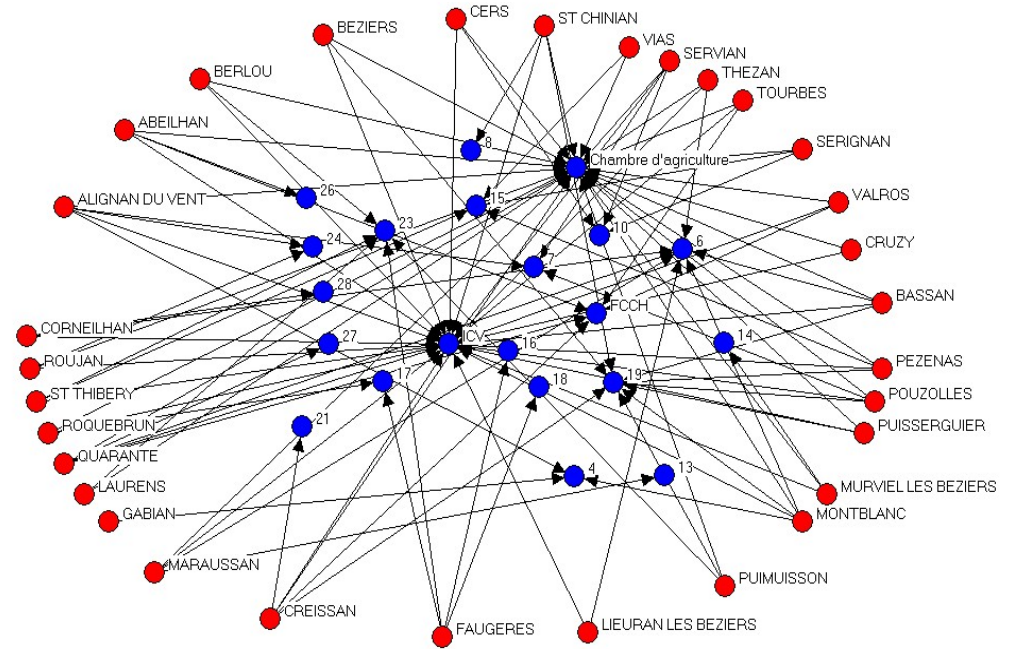
Regional level : Cluster or ecosystem of innovation
Ex : wine industry in Mendoza, Argentina



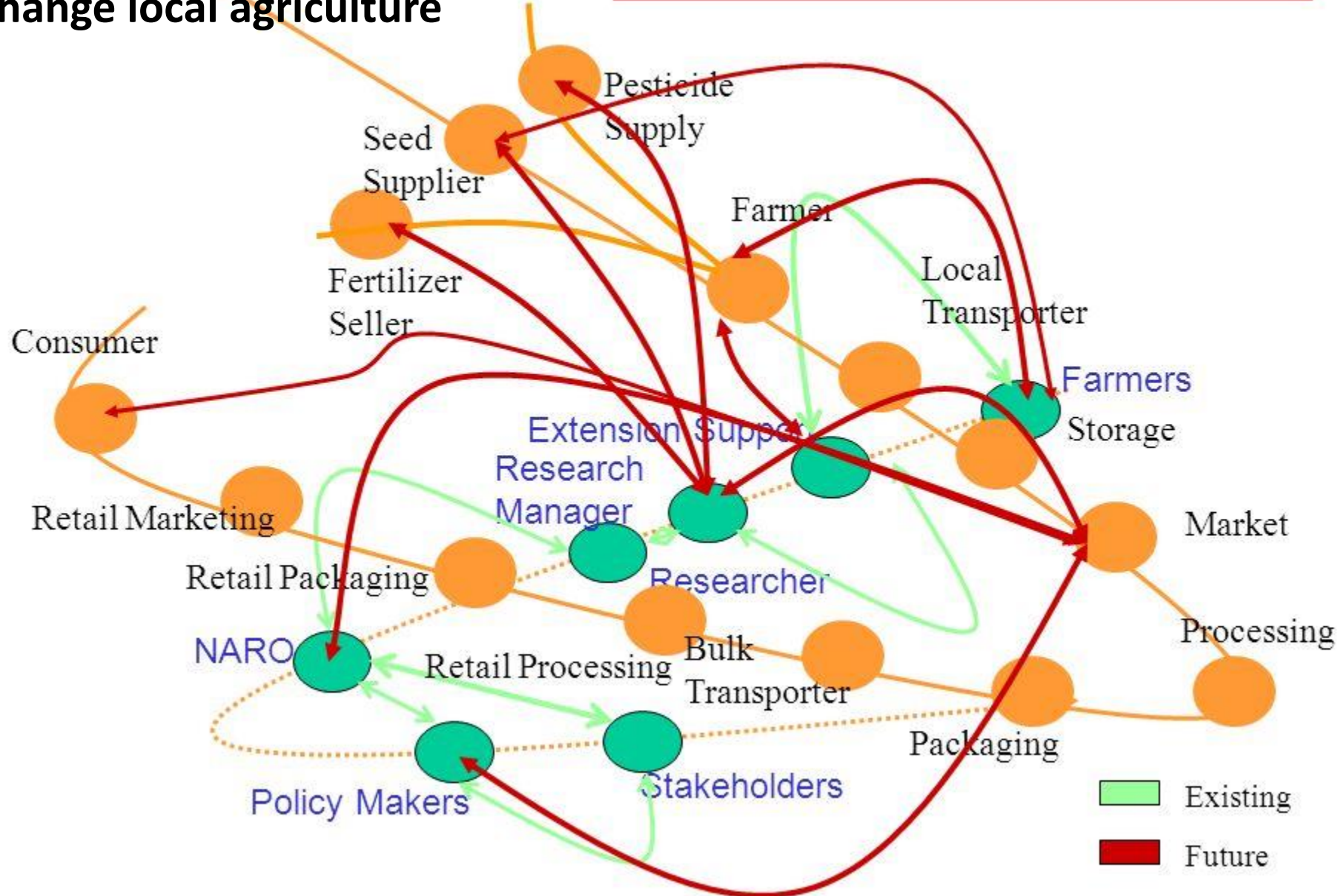
(Mac Dermotte et al. 2009)

Innovation system revealed by network analysis at local scale : Local Wine Cluster in Languedoc New viticultural practices and Plantation of new vine variety and

(Chiffolleau, Touzard, 2014. *Agriculture & Human Values*)



Agricultural Innovation System and Possible Information Flow



Innovation system and Sociotechnical niches and regimes : a dynamic and multilevel perspective

(Geels, 2014, 2018)

