Overview of the recent analysis about the root causes for land abandonment

Margarida Ambar
12th International LANDNET Workshop
5-8 November 2019
Land abandonment – concept

How does land abandonment look like to you?
Land abandonment – concept

EUROSTAT: Farmland abandonment can be defined as the cessation of agricultural activities on a given surface of land.

- How do you distinguish between fallow land (resting in a rotation) and land that is abandoned?
- How long does it take before land should be considered abandoned?
- Shades of grey – what is the minimal level of activities that would justify saying that the land is in use – where's the border?
- Should you differentiate between regions, types of crops, agricultural systems?
Permanent biodiverse grassland
Land abandonment – concept
A couple of definitions:

• ‘Farmland abandonment is a cessation of management which leads to undesirable changes in biodiversity and ecosystem services.’ Terres et al 2013

• ‘Agricultural land which is no longer farmed for economic, social or other reasons, and which is not used in the crop rotation system which means that no agricultural use is intended.’, Pointereau et al
Land abandonment – concept

There is **no single definition** of the terms “land abandonment” or “abandoned land”, as each legal or scientific text uses its own.”, Corbelle et Crecente, 2008

“Land abandonment often is a **complex** and **gradual process**…” Leal Filho et al, 2016
Land abandonment – impact

Negative

- Loss of features and characteristics in traditional landscapes
- Loss of traditional practices / knowledge
- Loss of valuable structures (e.g. terraces, irrigation systems)
- Increase of undesirable animal populations (e.g. plagues)
- Waste of agricultural land (scarce resource)
- Soil erosion and soil loss
- Loss of semi-natural habitats and associated species of nature conservation importance
Land abandonment – impact

Positive
✓ Restoration of nonagricultural habitats (e.g. re-wilding)
✓ Re-vegetation (forest regrowth, more woody vegetation)
✓ Increased carbon sequestration
✓ Bigger potential for bio- and renewable energy
✓ Less pollution from agricultural chemicals
✓ Less soil erosion
Land abandonment – impact

The consequences of land abandonment vary with the territory (climate, soil, topography, pre-existing / surrounding biodiversity and vegetation, etc.) and with the type of agricultural system previously existing (intensive, extensive).
LANDNET and land abandonment
LANDNET and land abandonment (LA)

Regional Workshop on Land Tenure and Land Consolidation Santiago de Compostela, Galicia–Spain, 09–11 February 2009

Organised by the Regional Ministry of Rural Affairs, Government of Galicia, Consellería do Medio Rural, Xunta de Galicia and FAO / LANDNET

Session on land development instruments: “The Land Bank of Galicia” – measures to regulate the rational use of the agricultural areas in order to preserve them and prevent their abandonment. Learning from 1 year experience with BanTeGal and a penalty regime for abandoned land.
Regional Workshop on Land Tenure and Land Consolidation, Santiago de Compostela 2009
LANDNET and land abandonment (LA)

International Workshop “How To Revitalise Farming And Agricultural Land Use? European Options For The Future”
Oeiras, Portugal, 16–18 September 2009

Organised by the Portuguese Ministry of Agriculture – DGADR, FARLAND network
and LANDNET

Objective: contribute to a comprehensive and systematic approach to revitalise farming and rural areas – What steps can countries / regions take to come up with a comprehensive and systematic approach to revitalise farming and rural areas?

Some results & conclusions

LA takes different forms and requires different strategies in different territories.

Elements to consider when defining a tailor-made territorial approach to address LA:

i. Legal and institutional framework related to farms and farming

ii. Land, land markets and the economy of scale

iii. Diversification and the economy of scope
When considering legal and institutional framework related to farms and farming:

• Clarify, integrate and make compatible main definitions (farm, farmer family, economic viability, etc.)
• Establish a farm typology
• Define labour and social protection regimes for members of farmers’ family
• Promote studies and research on impacts on farms, farmers and farmers’ family
International workshop in Oeiras (cont.)
Some results & conclusions

When considering land, land markets and the economy of scale:
• Solve co-ownership and unknown ownership situations
• Improve land tenure structure, adapt instruments to stakeholders needs and make it ‘social’
• Improve integrated territorial planning by making it farmer-friendly
• Make land information records reflect reality
When considering diversification and the economy of scope:

• Develop a common conceptual framework for revitalization via diversification

• Develop a multi-level communication strategy on rural development and diversification, at national level

• Develop territorial integrated plans with room for innovations
LANDNET and land abandonment (LA)

Second international workshop on land consolidation and land banking
Budapest, Hungary, 06–09 June 2011

Technical Session on LA – results from questionnaire to LANDNET members, presentations and two working group sessions (on drivers of LA and on territorial approaches to fight LA)

Second international workshop, Budapest 2011

Questionnaire sent by email to LANDNET members
replies from 12 countries

➢ Driving forces:
  • Small holding size; fragmentation and dispersion of plots; no road access; irregular shape of plots; bad agricultural infrastructures; restitution of private property has resulted in excessive fragmentation; ownership held in undivided form
  • Not profitable; low quality land
  • Migration of population from rural to urban areas; elderly farmers
  • Subsidies and insufficient state investment
“Assessing the risk of farmland abandonment in the EU”, JRC–EC

• Aim: to establish an indicator on farmland abandonment as part of a list of 28 agri-environmental indicators to help fulfilling the European Commission's information needs

• Groups of drivers:
  - Poor environmental / biophysical suitability for agricultural activity
  - Low farm stability and viability
  - Negative drivers from regional context
Second international workshop, Budapest 2011 (cont.)
LA drivers (study JRC–EC)

Low farm stability and viability:
• Low farm income under regional average
• Low investment level in the farm
• Age of farm holder (>65 years)
• Low farmer qualification (education/training and use of advisory services)
• Remoteness / low population density
• Low farm size
• Farm enrolment in specific schemes

Adverse regional context:
• Weak land market
• Previous trend of farmland abandonment
Country experiences on how to define, monitor and deal with land abandonment:

- **Lithuania** – definition, relevance, identification, State Land Fund and other measures
- **Romania** – structure and dynamics of farmland, definition, policy
- **Cyprus** – land consolidation (where abandoned agricultural land is included)
- **Ukraine** – land reform, state of play and considerations for the future
- **Galicia, Spain** – definition, significance, location, driving forces, impacts, policy and instruments
LANDNET and land abandonment

‘Land Market Development and Land Consolidation in EU countries’
Skopje, North Macedonia, 21–24 April 2013


Keynote “Land Abandonment and Shrinking Settlements” – definitions, drivers, connecting farmland abandonment with rural population decline (e.g. connecting Land Banking closer with territorial planning, foster greater connections between urban and rural territories via rural services planning)
Country experiences:

- Lithuania – state of play, measures / instruments to fight land abandonment
- Albania – uncultivated / abandoned land drivers (private and state land), measures to reduce land abandonment
- Latvia – significance of uncultivated farmland, trends, policy measures to fight against land abandonment
- Republic of Moldova – policies to counter negative effects of shrinking rural population, land mobility instruments
LANDNET and land abandonment

LANDNET 2014 Conference
Belgrade, Serbia, 23–25 June 2014

Session 6 “Combating Abandonment of Land (AL) in Serbia”:
• Keynote on Combating Abandoned Land – We often focus on underlying causes of abandonment (...which is right) but complementary approaches may help
• Factors Causing Abandonment of Land in Serbia – Research Results
• Developing an interactive GIS and Remote Sensing based approach for monitoring abandoned land in Serbia
Factors Causing Abandonment of Land in Serbia:

• Abandonment of land tends to be higher the smaller the farm and the smaller the settlement, but where populations are mobile, then size matters less even in the context of shrinking populations

• Higher birth rates and better public services means less abandoned land

• A diverse rural economy is the most effective counter to land abandonment, but in places that are most hit by abandoned land, the unfavorable land structure is the biggest obstacle
LANDNET and land abandonment

LANDNET workshop 2017
Budapest, Hungary, 03–05 October


Session 7 – Country developments
• Dealing with Land Abandonment in Romania – reference to drivers and measures to mitigate
  Drivers: climate change, farm location (mountain areas), land fragmentation associated with weak land market, low farm income, low farmer qualification, production factors
Thank you for your attention!

LANDNET and FAO workshops on LAND Tenure – since 2002

References:


• P. Pointereau, F. Coulon, P. Girard, M. Lambotte, T. Stuczynski, V. Sánchez Ortega, A. Del Rio, *Analysis of Farmland Abandonment and the Extent and Location of Agricultural Areas that are Actually Abandoned or are in Risk to be Abandoned*, Joint Research Center, European Commission and Institute for Environment and Sustainability, 2008