

Innovation in agri-food systems - A systematic mapping of the literature (1997-2017) - Innovation at system level in agri-food. Excel sheet mapping and key-words identified literature (1997-2017)

SND-ID: snd1116-1. **Version:** 1.0. **DOI:** <https://doi.org/10.5878/95pp-rx48>

Download data

SND1116-001-V1.0.zip (622.87 KB)

Citation

Fernqvist, F., & Spendrup, S. (2019) Innovation in agri-food systems – A systematic mapping of the literature (1997-2017) - Innovation at system level in agri-food. Excel sheet mapping and key-words identified literature (1997-2017) (Version 1.0) [Data set]. Swedish University of Agricultural Sciences. Available at: <https://doi.org/10.5878/95pp-rx48>

Creator/Principal investigator(s)

[Fredrik Fernqvist](#) - Swedish University of Agricultural Sciences, Department of Work Science, Business Economics and Environmental Psychology

Sara Spendrup - Swedish University of Agricultural Sciences, Department of Work Science, Business Economics and Environmental Psychology

Research principal

[Swedish University of Agricultural Sciences](#) - Department of Work Science, Business Economics and Environmental Psychology

Description

This study systematically explores, analyses, reports on and synthesises research on the topic of sectoral innovation systems related to agriculture and agri-food in OECD countries. It is based on systematic mapping of the literature (academic papers published in scientific journals) in the period 1997-2017. The aim is to show the state of current knowledge on sectoral innovation systems in agri-food, in order to identify knowledge gaps and future areas for research and provide methodological and theoretical perspectives. Abstracts for a total of 320 papers were analysed, using a qualitative approach. Key elements of agricultural innovation systems identified were organised into 8 main themes/topics: agents, basic technologies, knowledge and learning processes, mechanisms of interaction, institutions, end-users, system transition and contextual variables. Areas identified as requiring research included making the sector more consumer- and market-oriented, increasing interactions outside conventional system boundaries, including the consumer perspective and societal changes, and determining the role of gender in innovation in agri-food systems.

All the items included in the mapping were given a unique identification number. The data file (excel) shows the list of items included in the mapping and items removed in the latest stage of the screening process, together with a note on the reason for exclusion. Items only pertaining to innovation at firm level, without special attention to sectoral systems or AKIS, were excluded from the mapping in the screening process and not given an identification number. The items selected for the mapping were entered into the Excel sheet that constitutes the final database and analysed following

a protocol. Based on availability of information in the abstracts, the following characteristics were noted: Period of study; country or countries of study; data type (qualitative, quantitative, mixed); data source (qualitative or quantitative); firm size; number of firms in the study; food product/category (e.g. agriculture, organic food, vegetables, wheat, dairy; food industry); research method (e.g. case study, econometric, survey); key elements and outcomes studied; theory/framework applied; and additional notes (not always applied). Key elements in the items included were recorded, based on the abstracts. The key elements, subject or main findings were then summarised in a qualitative interpretation based on the abstracts, which is presented in the second dataset.

Language

[English](#)

Unit of analysis

[Media unit: Text](#)

Population

Scientific journal papers

Time Method

[Other](#)

Sampling procedure

[Total universe/Complete enumeration](#)

A systematic mapping of the literature has been made. Initially 41,551 items were retrieved from the data bases Web of Science Core Collection, Scopus and CABI. Through a systematic screening process, duplicates and papers deemed irrelevant have been excluded from the mapping, first based on titles and thereafter based on full abstracts.

Time period(s) investigated

1997-01-01 - 2017-12-31

Number of individuals/objects

320

Data format / data structure

[Numeric](#)

[Text](#)

Data collection 1

- Mode of collection: Compilation/Synthesis
- Time period(s) for data collection: 2018-08-01 - 2019-04-30
- Source of the data: Research data, Research data: Published

Geographic spread

Geographic description: The material comprises studies made in OECD countries

Responsible department/unit

Funding

- Funding agency: The Swedish Research Council Formas
- Funding agency's reference number: 2017-02019

Research area

[Community, urban and rural life](#) (CESSDA Topic Classification)

[Agricultural and veterinary sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Economics and business](#) (Standard för svensk indelning av forskningsämnen 2011)

[Agriculture and rural industry](#) (CESSDA Topic Classification)

[Business/industrial management and organisation](#) (CESSDA Topic Classification)

Keywords

[Agriculture](#), [Systematic mapping](#), [Agri-food](#), [Agricultural knowledge and innovation system \(akis\)](#), [Innovation systems](#)

Publications

Spendrup, S. and Fernqvist, F. (2019). Innovation in agri-food systems - A systematic mapping of the literature. *International Journal on Food System Dynamics* 10(5): 402-427. DOI:

<http://dx.doi.org/10.18461/ijfsd.v10i5.28>

[Link to International Journal on Food System Dynamics](#)

If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1.0. 2019-08-20

Related research data in SND's catalogue

[Innovation in agri-food systems – A systematic mapping of the literature \(1997-2017\) - Innovation at system level in agri-food. Meta-table of key elements categorized in mapping study \(1997-2017\)](#)

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

[Citation \(CLS\)](#)

[File overview \(CSV\)](#)

Published: 2019-08-20

Last updated: 2021-04-30