



# IAWA Newsletter

2024/08

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- The Social Sustainability of Food Systems: Addressing the Inequality-Unsustainability Nexus | Review of Agricultural, Food and Environmental Studies
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## Publications

- There and Back Again: Dynamics of Temporary Labour Migration, Insights from Rural India
- Women's Work in Livestock Raising: Evidence from Time Use Surveys in India
- The impact of labor force aging on agricultural total factor productivity of farmers in China: implications for food sustainability
- La participation des femmes au marché du crédit réduit-elle leur discrimination à l'égard de la propriété foncière ?
- Le numérique pour rééquilibrer la dépendance des agriculteurs à la filière ?
- De l'isolement au regroupement syndical : le mouvement des « caves particulières » de l'Aude et la réarticulation de la représentation vitivinicole
- The Real agricultural revolution. The transformation of English farming, 1939-1985
- Effect of dependence on natural resources on employment quality: Insights from African countries
- Exploring inclusion in UK agricultural robotics development: who, how, and why?
- Typology analysis of Egyptian agricultural households reveals increasing income diversification and abandonment of agricultural activities
- Foreign labor, peer-networking and agricultural efficiency in the Italian dairy sector
- Insights into youth participation in work-based learning
- Disaster response and sustainable transitions in agrifood systems
- Precision agriculture and the future of agrarian labor in the US food system
- Globalgap certification and working conditions of workers on smallholder mango farms in Ghana
- Drought shocks and labour reallocation in rural Africa: evidence from Ethiopia

- Heterogeneous and short-term effects of a changing climate on farmers' labor allocation: An empirical analysis of China
- How can information and communication technologies influence farmers' agricultural income and labor productivity? Micro evidence from China
- The impact of cereal crop diversification on farm labor productivity under changing climatic conditions
- The Use of Injury and Fatality Narratives to Convey Agricultural Safety and Health Messages and to Develop Effective Resources Through Collaborative, Multi-Disciplinary Approaches (Tell a Story, Save a Life)
- Adapting to the Agricultural Labor Market Shaped by Robotization
- Social Vulnerabilities Among Hired Migrant and Seasonal Farmworkers During COVID-19: The Need for Employment-Based Indicators
- Toward a Public Health Approach to Farmer Suicide Prevention: The Potential Power of Systems Change
- Conceptualising work-related PSR (Executive Summary)
- El trabajo en la viticultura de calidad de a provincia de Mendoza
- Nicolas Roux, La précarité durable. Vivre en emploi discontinu
- Sécurisation des parcours professionnel des saisonniers dans l'agriculture, l'hôtellerie-restauration et les remontées mécaniques

## News



### Perte du repos le dimanche pour les ouvriers agricoles ramassant à la main dans les champs

Les travailleurs dans les champs faisant du ramassage à la main peuvent se voir refuser un repos hebdomadaire une fois par mois. Une mesure signée par décret, mis en place depuis le 10 juillet 2024. En Bretagne, elle touche...



### Sans papiers mais pas sans travail en replay

Un reportage de Romain Boutilly et Elouen Martin En France, ils seraient entre 400 000 et 1 million. Ils travaillent dans des secteurs en manque de main d'œuvre comme la restauration, l'hôtellerie, occupent des métiers parfois ingrats que les Français refusent de faire, comme le ramassage de légumes ou les services à la personne. Des étrangers arrivés illégalement sur le territoire qui sont souvent déclarés par leurs employeurs, payent leurs impôts alors qu'ils n'ont pas le droit de vivre en France, et vivent dans la clandestinité sous la menace de l'expulsion. A quoi ressemble leur quotidien ? Pourquoi certains employeurs ne peuvent-ils plus se passer de cette main d'œuvre ? Alors que le projet de loi immigration qui divise les partis politiques s'apprête à être examiné à l'Assemblée nationale, Envoyé spécial a partagé le quotidien de ces travailleurs sans papiers qu'il est rare de pouvoir filmer.

### Lancement du cahier des charges "Management des exploitations viticoles" en Champagne-Ardenne

Le management des ressources humaines est un enjeu majeur de performance et de pérennité des exploitations viticoles. En effet, les viticulteurs font face une pénurie de main d'œuvre, un turn-over important, un choc générationnel, il est donc important d'accompagner les employeurs de main d'œuvre à développer leurs compétences et ainsi être outillés dans la gestion [...] The post Lancement du cahier des charges "Management des exploitations viticoles" en Champagne-Ardenne first appeared on VIVEA.

## Déclit travail

Avec Déclit travail, repensez, observez, sensibilisez-vous à vos conditions et organisations du travail et découvrez les pistes d'amélioration qui vous ressemblent. Quelle que soit votre production, faites le point sur vos conditions de travail et découvrez de nouvelles solutions pour les améliorer, avec conseils et témoignages à l'appui.



### The heat equation - farmers and farm workers are at higher risk during hot weather

The heat equation - farmers and farm workers are at higher risk during hot weather  
Continual exposure to high temperature and humidity can cause heat related illnesses



### Migrant Farm Workers Keeping U.S. Fed, Despite Working in Deadly Heat

WASHINGTON — New data analysis by the American Immigration Council finds that migrant farm workers play a key role in feeding Americans, even as they are increasingly vulnerable to working outdoors in extreme heat. (Explore the data in our new report, "The Expanding Role of H-2A Workers in U.S. Agriculture" here) AIC's data analysis finds that farm [...] The post Migrant Farm Workers Keeping U.S. Fed, Despite Working in Deadly Heat ...



### Less work, better welfare: the benefits of upgrading your calf rearing facilities

06 August 2024 Less work, better welfare: the benefits of upgrading your calf rearing facilities James Dunne and Anthony Mulligan discuss the importance of reviewing and upgrading calf rearing facilities to improve efficiency and reduce labor demands during peak seasons on dairy farms. Now is the time to review your calf rearing facilities. There is still time to plan and carry out any works that ...

## Congress



### XXIV Congresso Brasileiro de Ergonomia e Fatores Humanos (ABERGO 2024)

O Congresso Brasileiro de Ergonomia e Fatores Humanos é o evento oficial da Associação Brasileira de Ergonomia (ABERGO), realizado anualmente, que busca promover um espaço de interação e discussão entre todos interessados em Ergonomia para o desenvolvimento da área. O congresso vem sendo palco de discussões dos mais variados temas relacionados a Ergonomia e de participação ativa de profissionais, pesquisadores, estudantes ...



## Colloque : Transition écologique et genre : quelles transformations du travail ?

**La séquence agricole se déroulera le mercredi 6 novembre après-midi.** Elle a pour objet de répondre aux questions de la contribution des femmes au renouvellement des pratiques agricoles, des leviers dans l'activité pour prendre en compte à la fois le respect du vivant et les conditions de travail puis des perspectives pour la transformation à l'échelle des filières et des territoires.



## 3 webinaires sur la santé au travail organisés par le projet Safe Habitus

**Ces webinaires se dérouleront en anglais. Le premier concerne le stress professionnel en agriculture, le second traite des blessures dans l'agriculture européenne et le dernier se rapporte à la sécurité des enfants dans les exploitations agricoles. Ils auront lieu en septembre 2024.**

## IFAMA 2025

Stay in the loop! Register your interest here to receive updates and ticketing alerts for IFAMA 2025 in Brazil. Watch the video, below!

## IRSWA - End of Year Event (22 Nov 2024)

IRSWA - End of Year Event Save the date - more details to be provided soon



## Building a Resilient Agriculture Workforce in Manitoba

This webinar recording is dedicated to uncovering Manitoba's evolving landscape of agricultural careers. This session will provide a comprehensive overview of the current and emerging career opportunities within the province's agricultural sector. We will present the resources available to facilitate connections between employers and career seekers. Key topics to be covered include: 1. A detailed exploration of the latest and ...

## Call for Papers



## The Social Sustainability of Food Systems: Addressing the Inequality-Unsustainability Nexus | Review of Agricultural, Food and Environmental Studies

Review of Agricultural, Food and Environmental Studies - CALL FOR PAPERS: Special Issue: The Social Sustainability of Food Systems: Addressing the Inequality-Unsustainability Nexus Guest Editors: Isabelle Darmon, PhD; School of Social and Political Science. University of Edinburgh, United Kingdom Wesley Dean, PhD; University of Copenhagen, Institut for Fødevarer og Ressourceøkonomi (IFRO), Denmark Severine ...

## 5th ISA Forum

The 5th ISA Forum of Sociology will be an on-site event only, and we look forward to welcoming you onsite in Morocco! There will be no options available for presenting or attending online, please plan accordingly. Abstracts Submission Opens: August 5, 2024 Abstracts Submission Closes: October 15, 2024 - No deadline extensions. Abstracts Selection Closes: November 10, 2024 Abstract Relocation Closes: November 30, 2024 Notification of Acceptance: December 5, 2024



## Revista Notas de Población de la CEPAL invita a la presentación de artículos sobre demografía, población y desarrollo y políticas públicas para las ediciones de 2025

La publicación semestral, que cuenta con más de 50 años de trayectoria, se lanza los meses de junio y diciembre.

## Publications

### There and Back Again: Dynamics of Temporary Labour Migration, Insights from Rural India

Temporary labor migration is a household phenomenon among rural communities in India. This study seeks to understand the subjective experiences influencing the temporariness of labor migration among internal migrants in India by examining various factors such as migration conditions, motivation, migration arrangements, coping and adaptation strategies, and determinants of stay. To achieve this objective, the current qualitative study utilized 14 in-depth interviews and 2 focus group discussions to investigate the temporary nature of labor ...

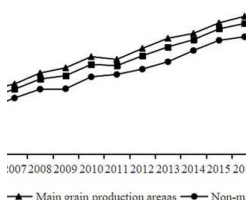


### Women's Work in Livestock Raising: Evidence from Time Use Surveys in India

Women's contribution to livestock raising, in terms of both work participation and hours of work, is underestimated in India as elsewhere in the world. This is primarily because of limitations of data available in labour force surveys, many of which can be addressed by time use surveys (TUSs). This paper, first, explores data from a small TUS conducted in two villages of Karnataka. Insights from our ground-level study are tested econometrically by applying a two-way Heckman model to unit data from India's first national TUS, 2019. We estimated that 11 per cent of rural women participated in livestock raising and spent an average of 16 h a week. Age and education were significant factors: younger and educated women were less likely to engage in livestock raising, an observation linked to current technology and drudgery of work. Women's participation was higher in peasant households from privileged social groups than in poorer wage worker households.

### The impact of labor force aging on agricultural total factor productivity of farmers in China: implications for food sustainability

IntroductionThe rapid aging of the labor force has serious implications for socioeconomic development and poses challenges to food sustainability. Existing s...





### **La participation des femmes au marché du crédit réduit-elle leur discrimination à l'égard de la propriété foncière ?**

L'étude évalue l'effet du crédit sur les inégalités foncières entre les femmes et les hommes au Cameroun. L'utilisation des données secondaires (INS, 2014), calibrées à un modèle non linéaire de décomposition des inégalités révèle : i) l'accès au crédit améliore de 11 % les chances des femmes d'accéder à la propriété foncière ; ii) un accès égal au crédit devrait réduire d'environ 5 % l'inégalité de propriété foncière entre les ...



### **Le numérique pour rééquilibrer la dépendance des agriculteurs à la filière ?**

L'enjeu est de comprendre dans quelle mesure la digitalisation des exploitations peut rééquilibrer la dépendance des agriculteurs à la filière. Les auteures considèrent la théorie de la dépendance aux ressources et examinent si le numérique est associé à la mise en œuvre de stratégies de contrôle permettant une moindre dépendance aux acteurs aval de la filière et la croissance des exploitations. Elles mobilisent les données du ...



### **De l'isolement au regroupement syndical : le mouvement des « caves particulières » de l'Aude et la réarticulation de la représentation vitivinicole**

Pourquoi et sous quelles conditions des agents économiques se passent ou se dotent-ils d'une représentation syndicale ? En agriculture, depuis le XIXe-XXe siècle, l'action collective peut permettre d'accéder aux (ressources des) pouvoirs publics. Mais au sein de la vitiviniculture, l'activité de vigneronns en caves particulières – c'est-à-dire pas coopératives – existe sans disposer d'un syndicat national jusqu'en 1976. Avant cette ...

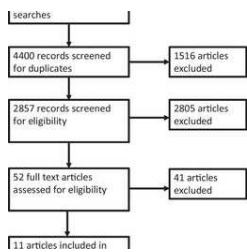


### **The Real agricultural revolution. The transformation of English farming, 1939-1985**

Si les historiens de l'agriculture britannique ont bien montré l'ampleur des changements techniques et l'essor sans précédent de la production dans la seconde moitié du xxe siècle, l'histoire de ces transformations a souvent fait l'objet d'une saisie globale et surplombante, fondée sur l'utilisation des statistiques nationales. Ce type d'approche a ainsi fréquemment tendance à proposer un récit fondé sur une modernisation technique relativement linéaire et homogène, les techniques « obsolètes » étant assez naturellement remplacées par d'autres plus efficaces. Les auteurs de The real agricultural revolution, comme son titre l'indique, ne remettent absolument pas en cause l'idée d'une transformation sans précédent de l'agriculture britannique, ni ne minimisent le rôle des nouvelles techniques dans l'accroissement de la production. Ils s'emploient, en revanche, à rendre ce récit moins lisse en examinant les ressorts de ces profondes évolutions à un niveau plus local et individuel, ave...

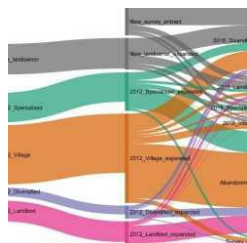
### **Effect of dependence on natural resources on employment quality: Insights from African countries**

Australian Journal of Agricultural and Resource Economics, EarlyView.



## Exploring inclusion in UK agricultural robotics development: who, how, and why?

Abstract The global agricultural sector faces a significant number of challenges for a sustainable future, and one of the tools proposed to address these challenges is the use of automation in agriculture. In particular, robotic systems for agricultural tasks are being designed, tested, and increasingly commercialised in many countries. Much touted as an environmentally beneficial technology with the ability ...



## Typology analysis of Egyptian agricultural households reveals increasing income diversification and abandonment of agricultural activities

Egyptian agriculture is challenged by increasing demands from a rapidly expanding population, and insufficient water and arable land resources, exacer...

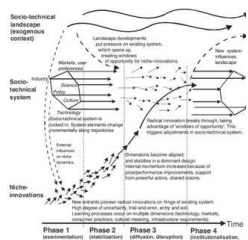
## Foreign labor, peer-networking and agricultural efficiency in the Italian dairy sector

While the presence of immigrants in the agricultural sector is widely acknowledged, the empirical evidence on its economic consequences is lacking, especially from a microeconomic perspective. Using ...



## Insights into youth participation in work-based learning

...considering the needs of vulnerable populations. Initiatives focusing on marginalized communities, rural areas, and persons with disabilities should take precedence, fostering an environment where everyone...



## Disaster response and sustainable transitions in agrifood systems

Abstract Agrifood scholars have long called for changes to the dominant food system, with the goal of making food systems more sustainable and just. This paper focuses on the ways in which recent and future food system shocks provide an opportunity for sustainable transitions in the food system. However, this requires strategic engagement on the part of alternative agrifood initiatives—agrifood niches—otherwise ...

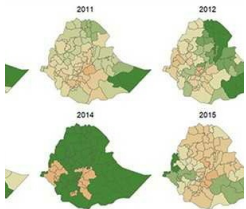


## Precision agriculture and the future of agrarian labor in the US food system

Abstract Precision Agriculture (PA) uses sensors, drones, and machine learning algorithms to provide farmers with site-specific information for targeted farm management decisions. These technological systems can reconfigure farm labor, replacing or displacing agrarian workers, especially unskilled, seasonal, hired, and migrant labor. Therefore, PA raises critical social questions that have implications for farmers' ...

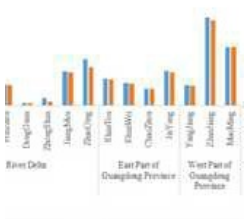
## Globalgap certification and working conditions of workers on smallholder mango farms in Ghana

Abstract Smallholder farm workers are important actors in global agricultural value chains. However, there is limited research on the extent to which certification affects their working conditions. This study analyzes the effects of GlobalGAP certification on the working conditions of smallholder farm workers in Ghana's mango sector, drawing on insights from the International Labor Organization (ILO) decent work ...



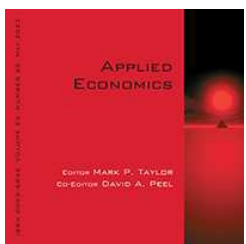
## Drought shocks and labour reallocation in rural Africa: evidence from Ethiopia

We study how rural households in Ethiopia adapt to droughts through labour reallocation. Using three waves of panel data and exploiting spatio-temporal variations in drought exposure, we find that households reduce on-farm work and increase off-farm self-employment in response to both short-term and persistent droughts, without abandoning family farming. Diversification into off-farm activities is driven by drought-related productivity ...



## Heterogeneous and short-term effects of a changing climate on farmers' labor allocation: An empirical analysis of China

There is growing interest in the impact of climate change on agricultural labor supply in China, rigorous empirical evidence for this issue is insufficient. This potentially important channel through which climate change may affect agricultural labor supply has not received attention. Using a panel survey data of 100 administrative villages and 2977 farmers in China, we find that temperature and precipitation do affect farmers' labor allocation, 1°C increase from the current average temperature will reduce agricultural labor supply by 0.252%, and 1mm increase from the current average rainfall will reduce agricultural labor supply by 0.001%. Climate change also leads to the decline of net agricultural income, which creates distorted incentives for households to over-supply labor to non-agriculture. Moreover, farmers with relatively lower risk tolerance preferred to reduce the current supply of agricultural labor when net agricultural income is projected to decrease under climate change scenarios.



## How can information and communication technologies influence farmers' agricultural income and labor productivity? Micro evidence from China

Based on a panel data from the National Rural Fixed Point Survey of China, this study explored the effects of information and communication technologies (ICTs) on agricultural income and labour pro...

## The impact of cereal crop diversification on farm labor productivity under changing climatic conditions

Climate change poses a serious threat to the stability of national and global food systems. Agricultural productivity growth is needed to meet increasing global food demand and land use competition. Based on a 2009–2012 panel of 133 cereal farms in Austria, we evaluate if cereal crop diversification can increase both farm labor productivity and resilience to adverse climatic conditions. To identify the productive implications of the interaction between cereal crop diversity and climatic conditions, we apply a partial correlated random ...



## **The Use of Injury and Fatality Narratives to Convey Agricultural Safety and Health Messages and to Develop Effective Resources Through Collaborative, Multi-Disciplinary Approaches (Tell a Story, Save a Life)**

### **Adapting to the Agricultural Labor Market Shaped by Robotization**

Agriculture is being transformed through automation and robotics to improve efficiency and reduce production costs. However, this transformation poses risks of job loss, particularly for low-skilled workers, as automation decreases the need for human labor. To adapt, the workforce must acquire new qualifications to collaborate with automated systems or shift to roles that leverage their unique human abilities. In this study, 15 agricultural occupations were methodically mapped in a cognitive/manual versus routine/non-routine two-dimensional space. Subsequently, each occupation's susceptibility to robotization was assessed based on the readiness level of existing technologies that can automate specific tasks and the relative importance of these tasks in the occupation's execution. The qualifications required for occupations less impacted by robotization were summarized, detailing the specific knowledge, skills, and work styles required to effectively integrate the emerging technologies. It was deduced that occupations involving primary manual routine tasks exhibited the highest susceptibility rate, whereas occupations with non-routine tasks showed lower susceptibility. To thrive in this evolving landscape, a strategic combination of STEM (science, technology, engineering, and mathematics) skills with essential management, soft skills, and interdisciplinary competences is imperative. Finally, this research stresses the importance of strategic preparation by policymakers and educational systems to cultivate key competencies, including digital literacy, that foster resilience, inclusivity, and sustainability in the sector.

### **Social Vulnerabilities Among Hired Migrant and Seasonal Farmworkers During COVID-19: The Need for Employment-Based Indicators**

### **Toward a Public Health Approach to Farmer Suicide Prevention: The Potential Power of Systems Change**

Objective Suicide among farmers has, over the past 20 years, garnered attention from scholars around the world. The purpose of this paper is twofold. First, this paper will present a framework for considering farmer suicide that builds upon the Interpersonal-Psychological Theory of Suicidal Behavior and extends our current explanations of suicide to include a multilevel, multifactorial focus on individual, interpersonal, community and systemic factors at the root of stressors contributing to suicide among farmers. Secondly, a blueprint ...

### **Conceptualising work-related PSR (Executive Summary)**

Work-related psychosocial hazards are recognised as one of the key concerns to be addressed in modern working life across the world and in the future of work. They refer to unfavourable working conditions in terms of the way work is organised and managed (e.g. high workloads, long working hours, lack of autonomy and support at work, harassment and bullying). There is now ample evidence that exposure to psychosocial hazards can put the health of workers and the sustainability of organisations at...



### **El trabajo en la viticultura de calidad de a provincia de Mendoza**

Sánchez Vives, Fernanda; Salatino, María Noelia y Pizzolato, Roberto Daniel (2024).

## **Nicolas Roux, La précarité durable. Vivre en emploi discontinu**

Partant du constat de l'érosion de l'emploi stable à temps plein, Nicolas Roux propose dans cet ouvrage tiré de sa thèse de doctorat d'explorer le « changement de paradigme qui s'est opéré ces dernières années à propos de la précarité » (p. 9). L'éloignement de l'emploi stable et ce qu'il implique en matière d'absence de prévisibilité temporelle ne constituent pas nécessairement, rappelle l'auteur, une relégation, une marginalisation ...



## **Sécurisation des parcours professionnels des saisonniers dans l'agriculture, l'hôtellerie-restauration et les remontées mécaniques**

...