



13th International Conference on Industrial
Engineering and Industrial Management

XXIII Congreso de Ingeniería de Organización



**Organizational
Engineering
in Industry 4.0**

BOOK OF ABSTRACTS

Gijón, 11th-12th July 2019

Book of Abstracts

**“13th International Conference on
Industrial Engineering and
Industrial Management” and
“XXIII Congreso de Ingeniería de
Organización (CIO2019)”**

Book of Abstracts

**“13th International Conference on
Industrial Engineering and Industrial
Management” and “XXIII Congreso de
Ingeniería de Organización
(CIO2019)”**

COORDINADORES

DAVID DE LA FUENTE GARCÍA

RAÚL PINO DIEZ

PAOLO PRIORE

FCO. JAVIER PUENTE GARCÍA

ALBERTO GÓMEZ GÓMEZ

JOSÉ PARREÑO FERNANDEZ

ISABEL FERNÁNDEZ QUESADA

NAZARIO GARCÍA FERNÁNDEZ

RAFAEL ROSILLO CAMBLOR

BORJA PONTE BLANCO

© 2019 Universidad de Oviedo
© Los autores

Servicio de Publicaciones de la Universidad de Oviedo
Campus de Humanidades. Edificio de Servicios. 33011 Oviedo (Asturias)
Tel. 985 10 95 03 Fax 985 10 95 07
[http: www.uniovi.es/publicaciones](http://www.uniovi.es/publicaciones)
servipub@uniovi.es

I.S.B.N.: 978-84-17445-38-6
DL AS 1875-2019

Imprime: Servicio de Publicaciones. Universidad de Oviedo

Todos los derechos reservados. De conformidad con lo dispuesto en la legislación vigente, podrán ser castigados con penas de multa y privación de libertad quienes reproduzcan o plagien, en todo o en parte, una obra literaria, artística o científica, fijada en cualquier tipo y soporte, sin la preceptiva autorización.

How to Ensure Gender Equity through Social Sustainability in Agri-Food Supply Chains

Esteso E.⁶⁵, Cuenca L.⁶⁶, Navarro-Astor E.⁶⁷, Alemany MME.⁶⁸

Keywords: Conceptual Framework; Gender Equity; Social Sustainability; Agri-Food Supply Chain;

1 Objective

The purpose of this paper is to propose a conceptual framework that identifies the main decisions and objectives to be pursued by the agri-food supply chain members in order to guarantee gender equity. If gender equity wants to be ensured, this conceptual framework can be used by the agri-food supply chain members as a tool to identify those areas in which special attention should be paid when making decisions.

2 Method

From the sustainable agri-food supply chains (AFSC) literature review proposed by Prima Dania, Xing and Amer (2016) it is concluded that up to now more attention has been paid to the economic and environmental aspects of sustainability than to social ones. This is also highlighted by Fuertes-Miquel et al. (2018) who classify the main objectives pursued by AFSC stakeholders to be sustainable in uncertain contexts into the three sustainability aspects. Both men's

⁶⁵Ana Esteso (e-mail: aesteso@cigip.upv.es), Centro de Investigación en Gestión e Ingeniería de la Producción. Universitat Politècnica de València. Camino de Vera S/n. 46022, Valencia.

⁶⁶Llanos Cuenca (e-mail: llcuenca@cigip.upv.es), Centro de Investigación en Gestión e Ingeniería de la Producción. Universitat Politècnica de València. Camino de Vera S/n. 46022, Valencia.

⁶⁷Elena Navarro-Astor (e-mail: enavarro@omp.upv.es), Departamento de Organización de Empresas. Universitat Politècnica de València. Camino de Vera S/n. 46022, Valencia.

⁶⁸Mareva Alemany (e-mail: mareva@cigip.upv.es), Centro de Investigación en Gestión e Ingeniería de la Producción. Universitat Politècnica de València. Camino de Vera S/n. 46022, Valencia.

and women's inherent behaviours, aspirations and needs are taken into account, valued and equally shared, independently of their gender (Cuenca et al., 2019). To ensure gender equality in AFSC, first of all it is necessary to identify the supply chain processes, objectives and related decisions that can have either a positive or negative impact on gender equity.

3 Results

A conceptual framework to improve social sustainability in AFSC by means of gender equity is proposed. The organizational processes that highly impact on gender equity have been identified, the objectives to be pursued at each process to ensure gender equity have been defined, and decisions in which decision-makers should focus to reach the objectives have been determined. The agri-food supply chains stages in which each decision should be made have been identified.

4 Conclusions

This framework can be used as a guide tool by AFSC members to reduce gender inequities in their organizations and in the whole supply chain, hence becoming more socially sustainable. This conceptual framework can be used as a reference guide to identify those processes, objectives and decisions that require more attention when pursuing gender equity improvements in an organization or supply chain. Thus, this tool can be either used in a distributed (individually) or centralized (collaboratively) way.

Acknowledgements. This study has been carried out under the framework of the project "Development of an integrated maturity model for agility, resilience, and gender perspective in supply chains (MoMARGE). Application to the agricultural sector." Ref. GV/2017/025 funded by the Generalitat Valenciana. The first author acknowledges the partial support of the Programme of Formation of University Professors of the Spanish Ministry of Education, Culture, and Sport (FPU15/03595).

5 References

- Cuenca, L. et al. (2019) 'Impacto de la Perspectiva de Género en la Resiliencia de la Cadena de Suministro', *Dirección y Organización*, (67), pp. 52-58. Available at: <https://www.revistadyo.es/index.php/dyo/article/view/544/565> (Accessed: 10 Abril 2019).
- Fuertes-Miquel, V. S. et al. (2018) 'Conceptual Framework for the characterization of Vegetable Breton Supply Chain Sustainability in an Uncertain Context', in 12th International Conference on Industrial Engineering and Industrial Management / XXII Congreso de Ingeniería de Organización.
- Prima Dania, W. A., Xing, K. and Amer, Y. (2016) 'Collaboration and Sustainable Agri-Food Supply Chain: A Literature Review', *MATEC Web of Conferences*, 58, p. 02004. doi: 10.1051/mateconf/20165802004.