Teledetección y SIG
Instituto de Desarrollo Regional
Universidad Castilla-La Mancha

IRENE

Integrated socioeconomic and environmental modelling using remote sensing data for the management of unauthorized water abstractions

REXUS

Funded by the European Union

Managing Resilient Nexus Systems Through Participatory Systems Dynamics Modelling

1. Serious Game Piloto

Alumnos Máster

2. Serious Game Workshop

"Gestión del agua en Mancha Oriental" 1/03/2024

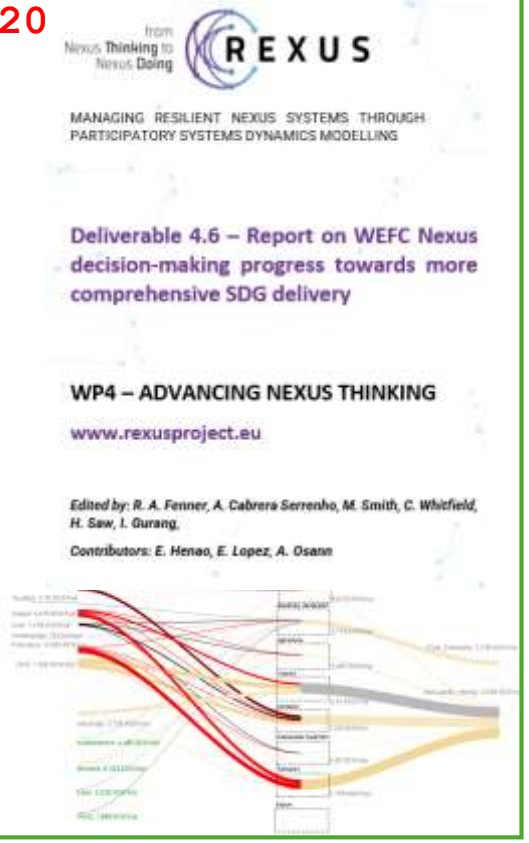
3. Serious Game Taller local – Acuífero de Arenales 12/04/2024

Deliverable 6.6 (January 2024)

Artículo de validación

Overview of the methodological validation framework

Deliverable 4.6 (Oct 20



Publicaciones

López-Bernabé, E., Carrasco Monteagudo, I., Córcoles Fuentes, C., 2024. Spatial diffusion of the socio-economic effects from the deployment of energy technologies in Spain. Spatial Economic Analysis 19, 501–520. https://doi.org/10.1080/17421772.2024.2337049 - Q2 Economics


Spatial diffusion of the socio-economic effects from the deployment of energy technologies in Spain

Elena López-Bernabé, Inmaculada Carrasco Monteagudo and Carmen Córcoles Fuentes

ABSTRACT

The paper covers an application to spatial economic analysis, based on a multiregional input-output model. Considering the challenges of the energy sector, this method is applied to analyze the spatial diffusion of the effect, of Spanish investment in different energy technologies covering several energy policy scenarios, in terms of added value and employment. Sector disaggregation is also analyzed. Results show that renewable energy sources offer excellent opportunities for economic and employment growth at the global level. Spanish renewable energy deployment has positive spillover effects in China and Germany, but its impact on Spanish social and economic development is not significant.

KEYWORDS

Renewable energy; gross value added; employment; input-output; spatial total effects

JEL C40; C43; C46

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1. INTRODUCTION

Measuring and modelling spatial effects in public choice analysis is crucial (LeSage & Dominguez, 2012). Considering the spatial propagation of policy decisions (Beenstock et al., 2018), interaction between economies (Fingleton, 2003) and regional interdependence (Bailey et al., 2016; Bhattacharjee & Holly, 2011; Ertur & Musolesi, 2017; Halleck Vega & Elhorst, 2016), it is critical to have a complete picture of policy decision processes. This is because underrating spatial externalities can lead to an incorrect understanding of true causal processes (Corrado &

Congresos

Mayo 2024: Seminario – Ponente invitada

Universidad del País Vasco / Euskal Herriko Unibertsitatea

Facultad de Economía y Empresa Bilbao
Departamento: Métodos Cuantitativos
Título: *Modelización socioeconómica y medioambiental integrada mediante el uso de datos de Teledetección: del espacio a la economía*

Junio 2024: Congreso

AEEE Asociación Española para la Economía Energética

"La transición energética desde una perspectiva económica"
Título: *Managing nexus systems through participatory Systems Dynamics Modelling*

Otros méritos

1. **Premio Extraordinario de Doctorado** por la Universidad del País Vasco (UPV/EHU)

2. Concesión de la **beca Postdoctoral Juan de la Cierva**. Convocatoria 2023.

3. **Plaza Profesora Ayudante Doctor** (UCLM)

Departamento: Economía Española e Internacional, Econometría e Historia e Instituciones Económicas

Área: Economía Española e Internacional

Asamblea Anual Teledetección y SIG, 12 de diciembre de 2024