

Índice REA

Impact des instabilités de terrains sur les infrastructures routières dans le Rif central méridional (Cas du PK 144 de la RR 408 " -Taounate, Maroc) / *Impact of land instability on road infrastructure in the Southern Central Rif (Case of PK 144 on regional road 408 - Taounate, Morocco)* / *Impacto de la inestabilidad del terreno en las infraestructuras viarias del centro sur del Rif (Caso del PK 144 de la RR 408 -Taounate, Marruecos)*

Khalid El-Moudni  0009-0005-5453-6710

Abdelghani Houari  0000-0002-7037-584X

El Houssaine Afkir  0009-0009-4233-4491

<https://dx.doi.org/10.12795/rea.2025.i50.01> 8-32

Análisis del desarrollo de las ciudades de 15 minutos en Andalucía a partir de datos de Twitter y OpenStreetMap / *Analysis of the development of 15-minute cities in Andalusia using Twitter and OpenStreetMap data*

Joaquín Osorio-Arjona  0000-0002-0102-8756

<https://dx.doi.org/10.12795/rea.2025.i50.02> 33-51

Marketing cofrade en Andalucía: análisis prospectivo a través del método Delphi / *Brotherhood marketing in Andalusia: prospective analysis through the Delphi method*

Francisco Javier Cristófol-Rodríguez  0000-0002-0967-3514

Diego Berraquero-Rodríguez  0009-0007-4238-0098

<https://dx.doi.org/10.12795/rea.2025.i50.03> 52-70 3

Conventional and innovative financing strategies for local public transport: insights from the Italian context / *Estrategias de financiación convencionales e innovadoras para el transporte público local: perspectivas desde el contexto italiano*

Tiziano Pavanini  0000-0001-8709-3710

<https://dx.doi.org/10.12795/rea.2025.i50.04> 71-89

Les chutes de blocs dans le bassin versant Zireg: facteurs de genèse et cartographie des zones à risques (Moyen Atlas - Maroc) / *Rockfalls in the Zireg watershed: factors of genesis and mapping of risk zones (Middle Atlas - Morocco)* / *Desprendimientos de rocas en la cuenca del Zireg: factores de origen y cartografía de las zonas de riesgo (Atlas Medio - Marruecos)*

Mohamed Benaissa  0009-0004-6716-6512

Jaouad Gartet

<https://dx.doi.org/10.12795/rea.2025.i50.05> 90-109

El estudio del capital social a través del análisis de redes sociales para una gestión participada del turismo: una propuesta de red de gobernanza para Tierra Bobal (Valencia) / *The study of social capital through the social network analysis for a participatory tourism management: a governance network proposal for Tierra Bobal (Valencia)*

Ruben Arnandis-i-Agramunt  0000-0002-8928-530X

J. Javier Serrano-Lara  0000-0003-0349-4176

<https://dx.doi.org/10.12795/rea.2025.i50.06> 110-135

Spatial analysis of CO₂ emissions and their relationship with economic activity in the states of Mexico / *Análisis espacial de las emisiones de CO₂ y su relación con la actividad económica en los estados de México*

Abril Yuriko Herrera-Ríos  0000-0001-9301-9285

<https://dx.doi.org/10.12795/rea.2025.i50.07> 136-152

Dynamique des paysages forestiers associés aux cultures bours dans le Haut Atlas Atlantique marocain (cas de la basse vallée de l'Oued Tamri) / *Dynamics of forest landscapes associated with bours crops in Morocco's High Atlantic Atlas (case of the lower Oued Tamri valley)* / *Dinámica de los paisajes forestales asociados a cultivos herbáceos en el alto Atlas atlántico marroquí (caso del valle inferior del Oued Tamri)*

Hicham Irifi  0000-0003-4323-060X

Abdellatif Tribak  0000-0002-1564-5886

<https://dx.doi.org/10.12795/rea.2025.i50.08> 153-184

Impact des caractéristiques hydro-morphométriques sur la réponse hydrologique du bassin versant de l'oued Adoudou (Anti-Atlas Occidental, Maroc) / *Impact of hydro-morphometric characteristics on the hydrological response of the Adoudou river watershed (Western Anti-Atlas, Morocco)* / *Impacto de las características hidromorfológicas según el comportamiento hidrológico de la cuenca del río Adoudou (Anti-Atlas Occidental, Marruecos)*

Hassan Nait-Si  0000-0003-3299-5447

M'hamed Nmiss  0009-0001-4107-3690

Mahjoub Benbih  0009-0008-5759-8097

Abdourrahmane Boukdoun  0009-0000-2703-1622

Abderrahmane Ouammou  0009-0000-3579-1947

<https://dx.doi.org/10.12795/rea.2025.i50.09> 185-217

Servicios, desarrollo económico y revitalización demográfica en La Campana de Oropesa y Cuatro Villas (Toledo) / *Services, economic development and demographic revitalisation in La Campana de Oropesa y Cuatro Villas (Toledo)*

Daniel Casas-Casas  0000-0002-9921-1566

<https://dx.doi.org/10.12795/rea.2025.i50.10> 218-244

Cartographie des géo-ressources du plateau de Lakhssas et du massif d'Ifni (Maroc): une perspective géomatique et géotechnique / *Geo-resource mapping in the Lakhssas plateau and Ifni massif, Morocco: a geomatics and geotechnical perspective* / *Cartografía de recursos geográficos en la meseta de Lakhssas y el macizo de Ifni, Marruecos: una perspectiva geomática y geotécnica*

Mohamed Mahmoud Sebbab  0000-0001-6520-9129

Abdelhadi El Ouahidi  0009-0008-9407-4508

Mohamed Atik  0009-0006-3066-9647

Hamza Taghlaoui  0009-0008-8210-9339

Abdessamad El Atillah  0000-0003-2739-2617

Mehdi Ousbih  0000-0002-3312-614X

Khadija Sebbab  0009-0007-4615-9702

<https://dx.doi.org/10.12795/rea.2025.i50.11> 245-265

Impacts anthropiques sur la dégradation des sols et la durabilité des écosystèmes oasiens du Moyen Draa (Maroc) / *Impact of human activities on soil degradation and sustainability of oasis ecosystems in the Middle Draa (Morocco)* / *Impactos antropogénicos sobre la degradación del suelo y la sostenibilidad de los ecosistemas de oasis en el Draa Medio (Marruecos)*

Mahjoub Benbih  0009-0008-5759-8097

Abderrahmane Ouammou  0009-0000-3579-1947

M'hamed Nmiss  0009-0001-4107-3690

Abdourrahmane Boukdoun  0009-0000-2703-1622

Hassan Nait-Si  0000-0003-3299-5447

<https://dx.doi.org/10.12795/rea.2025.i50.12> 266-285

INDEX

Summary of Articles

Impact of land instability on road infrastructure in the Southern Central Rif (Case of PK 144 on regional road 408 - Taounate, Morocco)	
Khalid El-Moudni  0009-0005-5453-6710	
Abdelghani Houari  0000-0002-7037-584X	
El Houssaine Afkir  0009-0009-4233-4491	
https://dx.doi.org/10.12795/rea.2025.i50.01	287-289
Analysis of the development of 15-minute cities in Andalusia using Twitter and OpenStreetMap data	
Joaquín Osorio-Arjona  0000-0002-0102-8756	
https://dx.doi.org/10.12795/rea.2025.i50.02	290-292
Brotherhood marketing in Andalucía: prospective analysis through the Delphi method	
Francisco Javier Cristófol-Rodríguez  0000-0002-0967-3514	
Diego Berraquero-Rodríguez  0009-0007-4238-0098	
https://dx.doi.org/10.12795/rea.2025.i50.03	293-295
Conventional and innovative financing strategies for local public transport: insights from the Italian context	
Tiziano Pavanini  0000-0001-8709-3710	
https://dx.doi.org/10.12795/rea.2025.i50.04	296-298
Rockfalls in the Zireg watershed: factors of genesis and mapping of risk zones (Middle Atlas - Morocco)	
Mohamed Benaissa  0009-0004-6716-6512	
Jaouad Gartet	
https://dx.doi.org/10.12795/rea.2025.i50.05	299-301
The study of social capital through the social network analysis for a participatory tourism management: a governance network proposal for Tierra Bobal (Valencia)	
Ruben Arnandis-i-Agramunt  0000-0002-8928-530X	
J. Javier Serrano-Lara  0000-0003-0349-4176	
https://dx.doi.org/10.12795/rea.2025.i50.06	302-304
Spatial analysis of CO ₂ emissions and their relationship with economic activity in the states of Mexico	
Abril Yuriko Herrera-Ríos  0000-0001-9301-9285	
https://dx.doi.org/10.12795/rea.2025.i50.07	305-307
Dynamics of forest landscapes associated with bours crops in Morocco's High Atlantic Atlas (case of the lower Oued Tamri valley)	
Hicham Irifi  0000-0003-4323-060X	
Abdellatif Tribak  0000-0002-1564-5886	
https://dx.doi.org/10.12795/rea.2025.i50.08	308-310

Impact of hydro-morphometric characteristics on the hydrological response of the Adoudou river watershed (Western Anti-Atlas, Morocco)

Hassan Nait-Si  0000-0003-3299-5447

M'hamed Nmiss  0009-0001-4107-3690

Mahjoub Benbih  0009-0008-5759-8097

Abdourrahmane Boukdoun  0009-0000-2703-1622

Abderrahmane Ouammou  0009-0000-3579-1947

<https://dx.doi.org/10.12795/rea.2025.i50.09> 311-314

Services, economic development and demographic revitalisation in La Campana de Oropesa y Cuatro Villas (Toledo)

Daniel Casas-Casas  0000-0002-9921-1566

<https://dx.doi.org/10.12795/rea.2025.i50.10> 315-317

Geo-resource mapping in the Lakhssas plateau and Ifni massif, Morocco: a geomatics and geotechnical perspective

Mohamed Mahmoud Sebbab  0000-0001-6520-9129

Abdelhadi El Ouahidi  0009-0008-9407-4508

Mohamed Atik  0009-0006-3066-9647

Hamza Taghlaoui  0009-0008-8210-9339

Abdessamad El Atillah  0000-0003-2739-2617

Mehdi Ousbih  0000-0002-3312-614X

Khadija Sebbab  0009-0007-4615-9702

<https://dx.doi.org/10.12795/rea.2025.i50.11> 318-322

6

Impact of human activities on soil degradation and sustainability of oasis ecosystems in the Middle Draa (Morocco)

Mahjoub Benbih  0009-0008-5759-8097

Abderrahmane Ouammou  0009-0000-3579-1947

M'hamed Nmiss  0009-0001-4107-3690

Abdourrahmane Boukdoun  0009-0000-2703-1622

Hassan Nait-Si  0000-0003-3299-5447

<https://dx.doi.org/10.12795/rea.2025.i50.12> 323-326