



UNIVERSIDADE
NOVA
DE LISBOA

MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOWSHIPS 2018
EXPRESSION OF INTEREST FOR HOSTING MARIE CURIE FELLOWS

HOST INSTITUTION

School of Sciences and Humanities | CICS.NOVA Research Unit

RESEARCH GROUP AND URL

Modelling and Planning Systems
<https://www.cics.nova.fcsh.unl.pt/research-groups-1/4-modelling-and-planning-systems>

SUPERVISOR (NAME AND E-MAIL)

Rui Pedro Julião
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SHORT CV OF THE SUPERVISOR

Rui Pedro Julião, PhD in Geography and Regional Planning – New Technologies in Geography, Assistant Professor at New University of Lisbon, coordinating the Department of Geography and Regional Planning, and researcher at CICS.Nova – Interdisciplinary Centre for Social Sciences, coordinating the research group on socio-spatial modelling and planning.

Main research and competencies are in the field of Geographic Information Science and Systems, namely spatial data modelling, Geocomputation, Spatial Data Infrastructures, Cadastre, and GIS in organizations.

Recently (from 2002 till 2012) was Deputy Director-General of the Portuguese Geographic Institute (in charge of research, cadastre, IT and National Spatial Data Infrastructure), national representative at the INSPIRE Committee, and also elected member of the Executive Committee of EUROGI (European Umbrella Association for Geographic Information) and of the Management Board of Eurogeographics (European Association of National Mapping and Cadastre Agencies).

From 2012 till 2016 was President of the Portuguese Geographers Association.

He is the author of several publications including books, chapters in books, articles and communications, edited nationally and internationally, and regularly participates in major national and international conferences in the field of science and geographic information systems as a speaker and session moderator as well as at the organization.

SELECTED PUBLICATIONS

- JULIÃO, Rui (2018): *Tecnologias de Informação Geográfica e Ciência Regional – Contributos Metodológicos para a Definição de Modelos de Apoio à Decisão em Desenvolvimento Regional*, ISBN: 978-620-2-17491-6. Düsseldorf (Alemanha): Novas Edições Acadêmicas. 378p.
- JULIÃO, Rui Pedro (2016): “As Infraestruturas de Dados Espaciais”. *Solicitadoria e Ação Executiva – Estudos*, n.º 4 (Dezembro). ISSN 2182-9225, Lisboa: Ordem dos Solicitadores e dos Agentes de Execução, pp. 107-125.



- BESSA, Maria; JULIÃO, Rui (2016): “A informação geográfica e os Sistemas de Informação Geográfica como resposta aos desafios da gestão municipal: vantagens e desafios de uma implementação para o Inventário do Património Imóvel Municipal”, Revista de Geografia e Ordenamento do Território (GOT), n. º 10. ISSN 2182-1267, Porto: Centro de Estudos de Geografia e Ordenamento do Território. pp. 55-70. DOI: 10.17127/got/2016.10.003
- JULIÃO, Rui Pedro (Coord.) (2015): INFORMAÇÃO GEOGRÁFICA, CADASTRO E GESTÃO TERRITORIAL. Experiências e boas práticas luso-brasileiras, ISBN 978-989-20-6303-4, Lisboa: CICS.NOVA. FCSH. 124p.
- BRITO, Susana; DIAS, Pedro Miguel Vaz; SANTOS, Teresa; PELEGRINA, Marcos; JULIÃO, Rui Pedro; DRABIK, Ronald Peixoto (2015): “Município de Cascavel: Atualização cadastral e a sua aplicação ao exercício de planeamento urbanístico”. Estudo Prévio, 8, ISSN 2182-4339, Lisboa: CEACTION/UAL.

PROJECT TITLE AND DESCRIPTION

Cadastre and Land Register - Balance and perspectives from the municipalities

True, updated, geometric definition of parcels is an important asset to support policy making, planning and land management, as well to promote nations' sustainable development. Moreover, it promotes equity in tax policy and collection and it can support several added-value activities and spare a lot of tax payers' money by providing all necessary information for public organizations to act.

With the urban growth, population migration from rural to urban areas and new natural resources exploitation, societies had the necessity of knowing and managing their land differently. By this means cadastre, as an inventory of real properties, nowadays assumes a transversal nature to multiple economic and social areas.

Portugal is known to be one of the last countries in Europe where there is no official geometric registry of parcels (cadastre). Nevertheless, multiple projects have started but with no practical results. This situation opens space for new solutions proposal.

Nowadays, municipalities (until now with minor responsibilities in cadastre) are capable of becoming the corner stone for cadastre data production and management integrating the principles of INSPIRE Directive and Land Administration Domain Model (LADM).

SCIENTIFIC AREA WHERE THE PROJECT FITS BEST

Social Sciences and Humanities (SOC)