

## Accepted Manuscript

Title: Street trees as cultural elements in the city:  
understanding how perception affects ecosystem services  
management in Porto, Portugal

Authors: Marisa Graça, Cristina Queirós, Paulo  
Farinha-Marques, Mario Cunha



PII: S1618-8667(17)30526-5  
DOI: <https://doi.org/10.1016/j.ufug.2018.02.001>  
Reference: UFUG 26076

To appear in:

Received date: 21-8-2017  
Revised date: 10-12-2017  
Accepted date: 5-2-2018

Please cite this article as: Graça, Marisa, Queirós, Cristina, Farinha-Marques, Paulo, Cunha, Mario, Street trees as cultural elements in the city: understanding how perception affects ecosystem services management in Porto, Portugal. Urban Forestry and Urban Greening <https://doi.org/10.1016/j.ufug.2018.02.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Street trees as cultural elements in the city: understanding how perception affects ecosystem services management in Porto, Portugal

Author information (in order of authorship):

**Marisa GRAÇA**<sup>a, b</sup> (corresponding author)

E-mail: [graca.marisa@fc.up.pt](mailto:graca.marisa@fc.up.pt)

Phone number: +351 252 660 411

**Cristina QUEIRÓS**<sup>c</sup>, [cqueiros@fpce.up.pt](mailto:cqueiros@fpce.up.pt)

**Paulo FARINHA-MARQUES**<sup>a, b</sup>, [pfmarque@fc.up.pt](mailto:pfmarque@fc.up.pt)

**Mario CUNHA**<sup>b, d</sup>, [mccunha@fc.up.pt](mailto:mccunha@fc.up.pt)

<sup>a</sup> Research Center in Biodiversity and Genetic Resources (CIBIO/InBIO) - University of Porto, Campus Agrário de Vairão, Rua Padre Armando Quintas, nº 7, 4485-661 Vairão, Portugal

<sup>b</sup> Faculty of Sciences of the University of Porto, Rua do Campo Alegre, s/n, 4169-007 Porto, Portugal

<sup>c</sup> Center of Psychology of the University of Porto / Faculty of Psychology and Educational Sciences of the University of Porto, Rua Alfredo Allen, 4200-135 Porto, Portugal

<sup>d</sup> Geo-Space Sciences Research Center, University of Porto, Rua do campo Alegre, s/n, 4169-007, Portugal.

### Highlights

- Socioeconomic variables affected perception of benefits and costs / losses
- Values of different social groups may generate conflicts if overlooked
- Most deprived area of the city potentially less favorable to greening initiatives
- Information access influenced perception across all classes academic levels

### 1. Introduction

Mainstreamed by the Millennium Ecosystem Assessment as the benefits human populations obtain from ecosystems (MEA, 2005), ecosystem services (ES) emerged as a metaphor to highlight public awareness on our dependence of nature, in order to foster biodiversity conservation (Gómez-Baggethun et al., 2010). However, the concept has been on the verge of stripping the human-nature relationship of the highly complex social-cultural drivers that define it (Chan et al., 2012). Ecosystems are not only shaped by

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات