Effectiveness of Terrestrial Protected Areas in Reducing Human Pressure

Fact Sheet

Project Information

PRESSURE

Grant agreement ID: 706784

Project website

DOI
10.3030/706784

Project closed

EC signature date
24 February 2016

Start date
1 September 2017

End date
31 August 2019

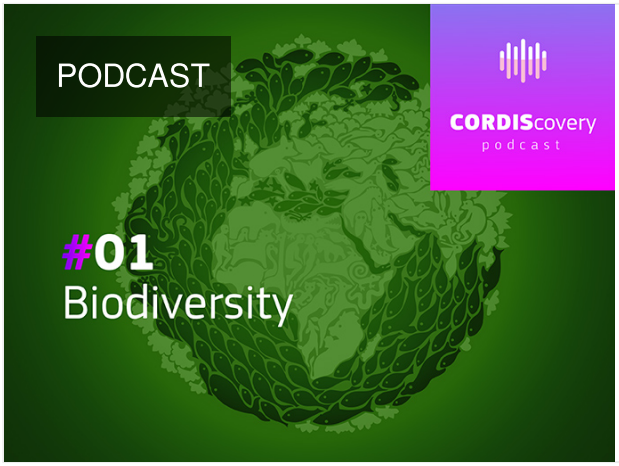
Funded under
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost
€ 183 454,80

EU contribution
€ 183 454,80

Coordinated by
THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE
United Kingdom

This project is featured in...



Objective

Human impacts on nature have led to massive biodiversity declines. Protected areas (PAs) have been suggested as one of the most important tools to reduce human pressure and protect biodiversity. In this project I will advance our understanding of the effectiveness of terrestrial PAs in reducing human pressure and improve current knowledge on how to measure human pressure, by specifically addressing three objectives: 1) To understand how management quality affects PAs ability to reduce human pressure, 2) To reconciling remote sensed maps of human pressure with field observation of the impact of human threats, and 3) To improve existing maps of human pressure by including data of key threats to biodiversity (e.g. natural resource use and invasive species). The foundation of the project will be the Temporal Human Pressure Index (e.g. a temporal Human Footprint), the World Database of Protected Areas, and a global database on Management. The three objectives will apply different state-of-the-art statistical approaches including propensity matching and general linear mixed effects models to achieve these ambitious objectives. The project is expected to lead to three high impact peer-reviewed papers as well as min two popular science papers, and one policy brief. The project will help me develop new data and skills instrumental to achieving my career goals in academia after the fellowship. I will be hosted in the conservation group at the University of Cambridge, under supervision of Professor Andrew Balmford who is one of the world's leading conservation scientist and an expert on how to understand human pressure in

relation to biodiversity. Professor Neil Burgess will be my supervisor while seconded at WCMC. He is a world leading expert on management effectiveness and has years of experience working on pressure and PAs. This proposal represents a frontier in conservation science and is of very high relevance to the EU and global conservation policy.

Fields of science (EuroSciVoc)

natural sciences > biological sciences > ecology > **invasive species**

Programme(s)

H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions MAIN PROGRAMME

H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Topic(s)

MSCA-IF-2015-EF - Marie Skłodowska-Curie Individual Fellowships (IF-EF)

Call for proposal

H2020-MSCA-IF-2015

See other projects for this call

Funding Scheme

MSCA-IF-EF-ST - Standard EF

Coordinator

THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

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Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Last update: 17 August 2022

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