

2. *Type of submission:* Abstract / Resumen

O. Other sessions / Otras sesiones: O3

Importance of interactions relationships between impacts and ecosystem services related to anthropic activities aimed at environmental conservation.

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Most anthropic activities of a socioeconomic nature, including agriculture, agribusiness, tourism and many others which represent the livelihood of a large portion of the population that lives from activities carried out within the scope of rural and even urban and periurban areas, exert influence on ecosystem services, directly and indirectly, and their effects can be both potentially beneficial and limiting or harmful. In general, the productive sectors demand the use of natural resources and cause environmental impacts in different aspects and at different levels and, therefore, require inclusive and sustainable practices for their conservation. A first step in devising environmental conservation strategies and in achieving the maintenance of ecosystem services and their benefits is to know the situation of a given location and the interactions that are established between the anthropic activities carried out there, their possible impacts, the affected ecosystem services and the influence of this set of vectors on the environment. Considering this context, a survey of secondary data was carried out referring to an area located in the Atlantic Forest biome, currently occupied with population centers and family agricultural production in the surroundings of the Pedra Branca State Park, an Integral Protection Conservation Unit, inserted in the urban territory of the city from Rio de Janeiro. As a result, it was possible to compile a series of observed and potential impacts and the respective ecosystem services likely to be affected by them. The expressive amount of impacts and ecosystem services that could be identified evidenced the importance of knowing these interactions, aiming to avoid or mitigate their negative effects and increase their beneficial effects on the environment, thus allowing the performance of human activities in a sustainable way.

Keywords: Land use and occupation, human interference, nature services.

BOOK OF ABSTRACTS

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I. SESSION DESCRIPTION

ID: O3

Emerging issues in ES science, policy & practice

Format: Online

Hosts:

| | Name | Organisation | Email |
|----------------|--------------|--------------|-------------------------|
| Host | Ashlea Byrne | FSD | ashlea.byrne5@gmail.com |
| Co-Host | Eoghan Quinn | FSD | Eoghan.quinn@wur.nl |

II. SESSION PROGRAMME

Date of session: Tuesday 7 November

Time of session: 11:00–12:30 (1,5 hr)

Format: Online

Hosts:

| | Name | Organisation | Email |
|-------------|--------------|--------------|-------------------------|
| Host | Ashlea Byrne | FSD | ashlea.byrne5@gmail.com |

Timetable speakers

| Time | First name | Surname | Organization | Title of presentation |
|-----------------|------------|-------------------------|--|--|
| 11:00– 11:10 | | | | Introduction |
| 11:10– 11:20 | Santiago | Madrigal– Martínez | Universidad Politecnica de Valencia | Evaluación de servicios ecosistémicos de aprovisionamiento mediante conocimiento local. |
| 11:20– 11:30 | Juan José | Von Thaden Ugalde | Laboratorio de Planeación Ambiental, Departamento | Medio siglo de cambios en la vegetación en un paisaje periurbano neotropical: impulsores y tendencias |

| Time | First name | Surname | Organization | Title of presentation |
|-----------------|---------------------|----------------|--|---|
| | | | El Hombre y su Ambiente. | |
| 11:30– 11:40 | Arcelia Amaranta | Moreno Unda | Posgrado Sostenibilidad UNAM | Transformación, gobernanza adaptativa, análisis de redes sociales, sostenibilidad, periurbano, servicios ecosistemicos |
| 11:40– 11:50 | Alejandro Reyes | Sánchez | Laboratorio de Bienestar y Conservación Humano – Instituto de ecología y biodiversidad | Evaluación y Gestión para la restauración de Humedales Urbanos: El Caso del Humedal El Culebrón |
| 11:50– 12:00 | Pramila | Thapa | University of Kassel and Leuphana University | Disentangling human wellbeing to green infrastructure at household and community levels of the megacity Bengaluru |
| 12:00– 12:10 | Francesco | Sica | Department of Architecture and Design, Sapienza University of Rome, Italy | Exploring geographical competition between urban ecosystems and night-time lights in Latin American megacities, with implications for ecologic and economic health. |
| 12:10– 12:20 | Adriana Sanchez | Lemus | Instituto Amazónico de Investigaciones Científicas | Soluciones Basadas en la Naturaleza y Servicios Ecosistémicos Urbanos en la planificación de las ciudades amazónicas, como estrategia de adaptación climática y gestión del riesgo. |
| 12:20– 12:30 | Bernadete | Pedreira | Brazilian Agricultural Research Corporation – Embrapa | Importance of interactions relationships between impacts and ecosystem services related to anthropic activities aimed at environmental conservation |