

# Productive and Regulatory Assessment of Urban Agriculture Within the City of Barcelona

Third Thesis Progress Report

Diego Maximiliano Macall

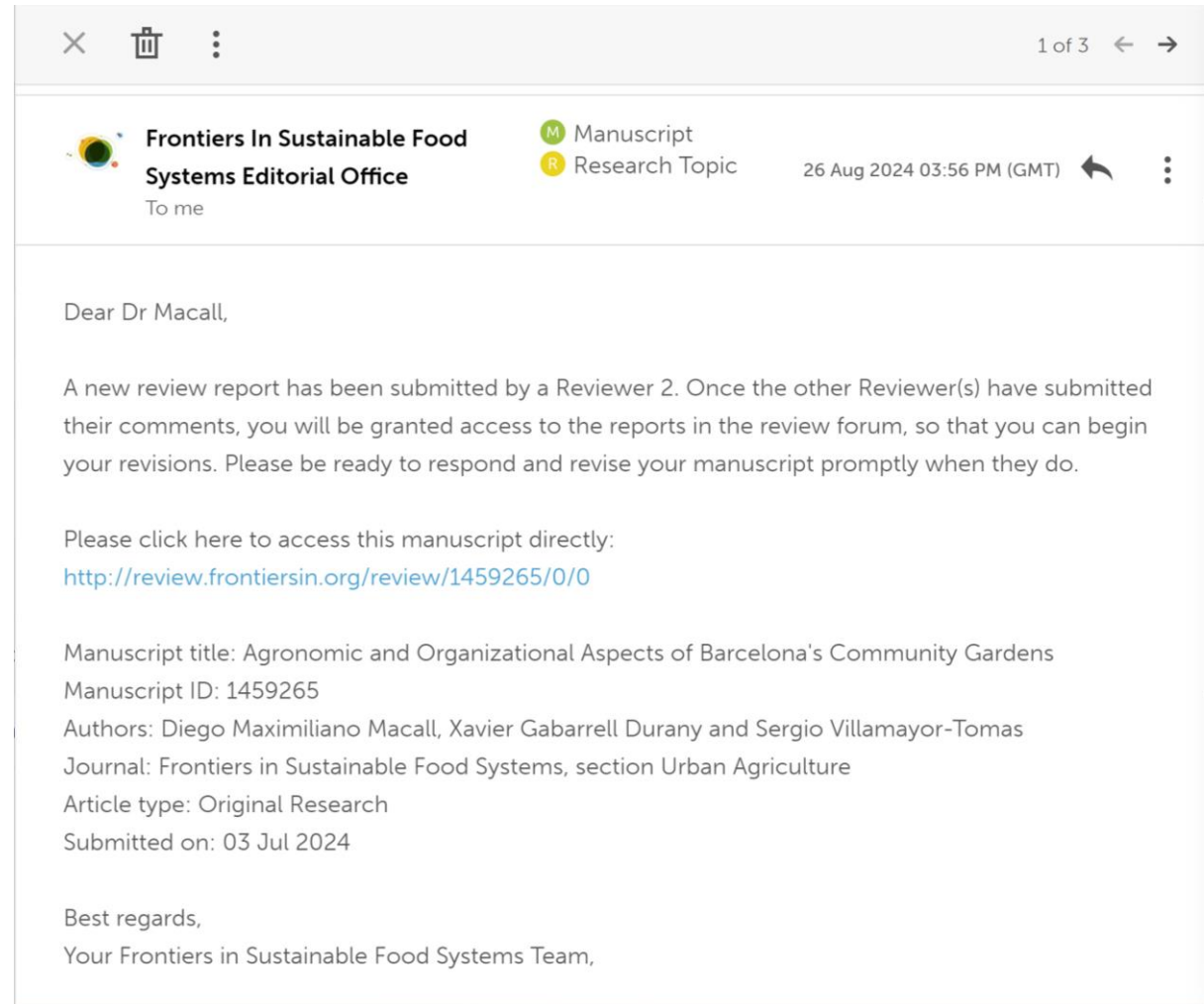
September 17, 2024

# Objectives

- How much and what kind of food can be produced within the city of Barcelona through UA?
- Paper 1: What kind of crops are being cultivated in Barcelona's community gardens? What is their Yield?
- Paper 2: What kind of crops can be cultivated in RTGs within Barcelona? What is their Yield?
- Paper 3: What regulations currently govern the integration of RTGs into Barcelona's buildings? What changes (if any) would need to occur to these regulations in order to integrate RTGs into the city's skyline?

# Achievement

- Agronomic and Organizational Aspects of Barcelona's Community Gardens



# Achievement

- A food system innovation: Vegetable production in rooftop greenhouses in Barcelona

em Cities

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Action	Manuscript Number	Title	Initial Date Submitted	Status Date	Current Status
Action Links	JCIT-D-24-01948	A food system innovation: Vegetable production in rooftop greenhouses in Barcelona	Jun 20, 2024	Aug 05, 2024	Under Review

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- Presented a poster based on this paper at the 14th edition of the LCA Food conference

# Achievement



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1 Scaling Up RTG Production in Barcelona: Institutional Identification and Analysis  
2 Introduction  
3 Introduction  
4 Introduction  
5 Introduction  
6 Introduction

Scaling Up RTG Production in Barcelona:  
Institutional Identification and Analysis

Diego Maximiliano Macall, Sergio Villamayor-Tomas, Xavier Gabarrell Durany  
Universitat Autònoma de Barcelona - Institut de Ciència i Tecnologia Ambientals  
May 7 2024

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## 5/7 seminar: Scaling Up RTG Production in Barcelona: Institutional Identification and Analysis



Institutional Grammar  
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<https://www.youtube.com/watch?v=Full6YyyAwU>

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Member Briefing  
HASI/CLS Review & Procurement Timeline

### MHCC Member Briefing: HASI/CLS Review and...

## Achievement

- Using the institutional grammar tool to understand the regulations impacting the scale-up of Urban Horticulture in Barcelona
- Completed, and now searching for a journal to submit to.

# Publications

- International Collaboration. 15 publications total.



ORIGINAL ARTICLE | Open Access |

## Impacts of changes to Canada's Plant Breeders' Rights Act

Stuart J. Smyth Peter W. B. Phillips, Diego M. Macall, David Castle

First published: 15 May 2024 | <https://doi.org/10.1111/jwip.12303>

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### Abstract

On February 27, 2015, as part of the Agricultural Growth Act, amendments to the Canada's Plant Breeders' Rights (PBRs) Act came into force, making Canada compliant with Union for the Protection of the New Varieties of Plants (UPOV) 91. One objective of adopting UPOV 91 was that it would encourage increased investment in plant breeding, giving Canadian farmers greater access to new and innovative plant varieties that enable them to be more globally competitive. To assess whether the adoption of UPOV 91



### Early View

Online Version of Record  
before inclusion in an issue



Related



Information

### Recommended

[The Globalization of Intellectual Property Rights](#)

Andrea Filippetti, Daniele Archibugi

[The Handbook of Global Science, Technology, and Innovation, \[1\]](#)

[Intellectual property rights and informal sector innovations: Exploring grassroots](#)



## Training Activities

- Participació en l'elaboració d'un projecte de recerca - PRELIMINARY TITLE Co-creating strategies to tackle environmental disinformation. Led by Leticia Santos.
- “la Caixa” Third Annual Gathering: 3-6 June 2024
- Advances in Complex Systems: Addressing the zero-emission goal for urban well-being  
1-5 July 2024. (Lake Como School of Advanced Studies).
- No more trainings anticipated.



## Tentative Thesis Deposit Date

- November 4<sup>th</sup> 2024.

## Justification of why an extended period is required to complete the thesis

- The third paper of my thesis has taken longer to complete than I expected because it was a completely new methodology for me.
- The methodology in question is not frequently used in the field of public policy research. This delayed the analysis and write up of the third paper of my thesis delaying my overall thesis.

# Stylized Doctoral Work Plan

<div>Trimester</div> <div>Activity</div>	Apr – June 2022	July – Sept 2022	Oct – Dec 2022	Jan – Mar 2023	Apr – June 2023	July – Sept 2023	Oct – Dec 2023	Jan – Mar 2024	Apr – June 2024	Jul- Sep 2024
Literature Review										
Data Recollection Instrument(s) Refinement & Ethics Approval										
Data Collection										
Delivery of Paper 1										
Research Write-up										
Delivery of Paper 2										
Revisions and thesis concluding activities										
Delivery of Paper 3										

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Suggestions?