

# The Prudhommes Project Year-in-Review 2022

## Partnership Overview

The Town of Lincoln (ToL), the Vineland Research and Innovation Centre (Vineland) and the Environmental Sustainability Research Centre (ESRC) at Brock University share a keen interest in understanding and building the resilience of green infrastructure. The ToL provides a physical focal point for the project and is emblematic of the myriad of pressures confronted by communities whilst striving to be sustainable. In taking a social-ecological systems perspective, attention is directed at linkages between humans and Nature in urban environments. This is accomplished by focusing on particular sites within the Town and drawing upon the expertise of natural scientists, social scientists, municipal staff and other stakeholders.

The Memorandum of Understanding for this exciting project was signed in 2019. Concerted inroads have been made over the past year about understanding State-of-the-Art in terms of theory and practice as well as gaining 'on the ground' insights from individuals throughout the Niagara Region. Passive and active experiments are underway, providing the evidence-base necessary to inform decision-making, public policy, and practice.

## Workshop to Prioritize Assessment Criteria for Multifunctional Landscapes

An in-person priority-setting workshop was held at Vineland on June 17 to prioritize criteria for assessing multifunctional landscapes for the ToL. The purpose of the workshop was to develop a consensus on appropriate sub-criteria for assessing multifunctional landscapes in the ToL, and brainstorm potential key performance indicators (KPIs) that reflect social-ecological resilience in multifunctional landscapes. Overall, the workshop was a successful and constructive opportunity to explore this topic in greater depth and inform the next steps of the project.



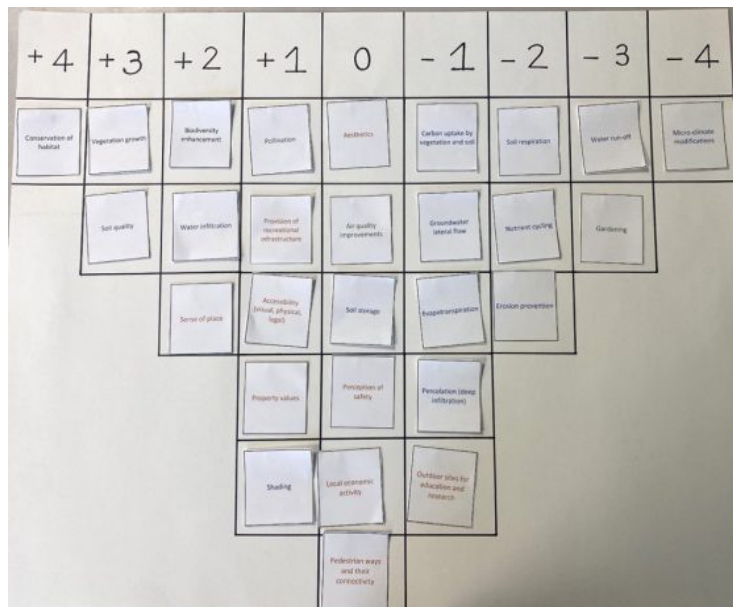
# Research Reports and Deliverables

## State of the Art Report: Low Impact Development

- Creation of the State of the Art database for resources related to multi-purpose low impact development (LID)
- LID literature informed recommended options concerning the specification and experimentation needed to appropriate evidence-based approaches for LID in ToL.
- Analysis of the literature illuminated gaps in information related to KPIs and monitoring and evaluation of LID projects.

## Prioritizing Assessment Criteria for Multifunctional Landscapes: Workshop Report

- To address the information gaps in the LID database, the project team conducted a priority setting workshop involving ToL staff and subject experts.
- The workshop successfully resulted in developing a consensus on appropriate sub-criteria for assessing multifunctional landscapes in ToL.
- Discussions among participants surfaced the relevance of this topic in ToL, and Niagara more broadly, and the need for more evidence-based information.



## Developing Social-Ecological Indicators for Assessing Low Impact Development Report

- Workshop findings and the LID database contributed to identifying robust and contextually relevant KPIs to evaluate multifunctional landscapes.
- A final criteria list with relevant and feasible KPIs were outlined for LID projects in ToL.
- Recommendations on how to use the information to evaluate LID projects in ToL were provided, which has informed the next steps in this partnership.

## More to Come in 2023

The work undertaken so far by the project team has revealed important considerations for operationalizing the deliverables and recommendations. The next phase of the project will focus on considering the possible pathways and mechanisms for additional economic valuation of enhancing ecosystem services to ensure the monitoring and evaluation strategy provides maximum value.