Towards a New Practice of Integrated Landscape Design and Care

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Research Objective:

*To develop ways to successfully support and enhance ecological function in design through the integration of design and maintenance*
A ‘Model of Care’
Functioning ecology:

That which provides or enhances natural services and processes that directly benefit plants and wildlife within the context of designed landscapes

Ecological design:

Design centered around functioning ecologies
Research Objective:

To develop ways to successfully support and enhance ecological function in design through the integration of design and maintenance.

**Framework and Methodologies**

- **Defining the Problem**
- **Discovery**
- **Define**
- **Develop**
- **Deliver**

**Challenges**

- Building a community of practice
- Building a habit of ongoing professional currency
- Reflection in practice

**Steps**

1. Identification of the problem
2. Definition of the objectives for a solution
3. Design and development of artefacts
4. Demonstration by using the artefacts to solve the problem
5. Evaluation of the solution
6. Communication of the problem

**Double Diamond Design**

- Science
- Research
- Practice-based research
Research Process

1. **Background & Rationale**
   - Journey of my Practice
   - Research Objective

2. **'On the Ground' Interviews**
   - Research Definition
   - First Key Informants Interview

3. **Practitioners Precedent Review**
   - Creative Project
   - 'Model of Care'

4. **Team-Based Care**

5. **Second Key Informants Interview**

6. **Reflection & Disposition**
   - Propose: to put forward for consideration
   - Dispose: to set in order

**Definitions**
- **Propose**: to put forward for consideration
- **Dispose**: to set in order
- **Reflection**: the ability to reflect on one's actions so as to engage in a process of continuous learning
Challenges

IMPACTS

DESIGN ECOSYSTEM
EXISTING PRACTICE

MAINTENANCE ECOSYSTEM

What if.....?

Defining Objectives for a Solution: ‘On the Ground’ Interviews
First Key Informants Interview and Practitioners Predecessors Review
Organic Landscape Maintenance Guidelines
Corktown Common & Lawren Harris Square
Waterfront Toronto | City of Toronto - Parks, Forestry & Recreation Division
9 September 2014
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Corktown Common, Toronto (Michael Van Valkenburgh)

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The High Line, New York City (Piet Oudolf)
A New Mental Model of Ecological Design
ECOLOGICAL DESIGN ≠ ECOLOGICAL RESTORATION

Ecological Function Alone is Not Enough
The Act of Maintenance is no Different than a Windstorm
Plants are Alive
Ecological Function Alone is Not Enough

Barking up the Wrong Tree
Pass the Baton
Design in the Support System
Creative Project 'Model of Care'

- Support Structure
- Communication
- Knowledge Transfer
- Capacity Building

Common Goals

Team-Based Care
Design in the **support structure** necessary to provide the appropriate ongoing care.

Facilitate **knowledge transfer** through multi-directional and effective **communication**.

Facilitate **capacity-building** through engagement, skills development and training.

Develop a landscape care strategy based on **common values and goals**.

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**The Creative Project: A ‘Model of Care’**
Care Archetypes and Personas
DESIGN ECOSYSTEM

MAINTENANCE ECOSYSTEM

Design of the Built Environment

The Profession

The Practice

Impact to Practice and Contribution to New Knowledge