

# SOCIAL ECOLOGICAL ECONOMIC DEVELOPMENT STUDIES

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*Presented by:*

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September 27, 2010

***UBC Sustainability Initiative Symposium:  
Our Campus as a Living Lab***



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# Goal of SEEDS

SEEDS coordinates and supports partnerships between staff, faculty and students that advance UBC's commitment to explore and exemplify sustainability on campus.



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# The SEEDS Model



STAFF  
IDEA



STUDENTS  
& FACULTY



SOLUTION  
& IMPACTS



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## **Context: UBC as a Living Lab**



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# SEEDS PROJECTS

- Carbon Sequestration
- Waste Management
- Life Cycle Analysis
- Stormwater Management
- Sustainable Seafood
- Biodiesel

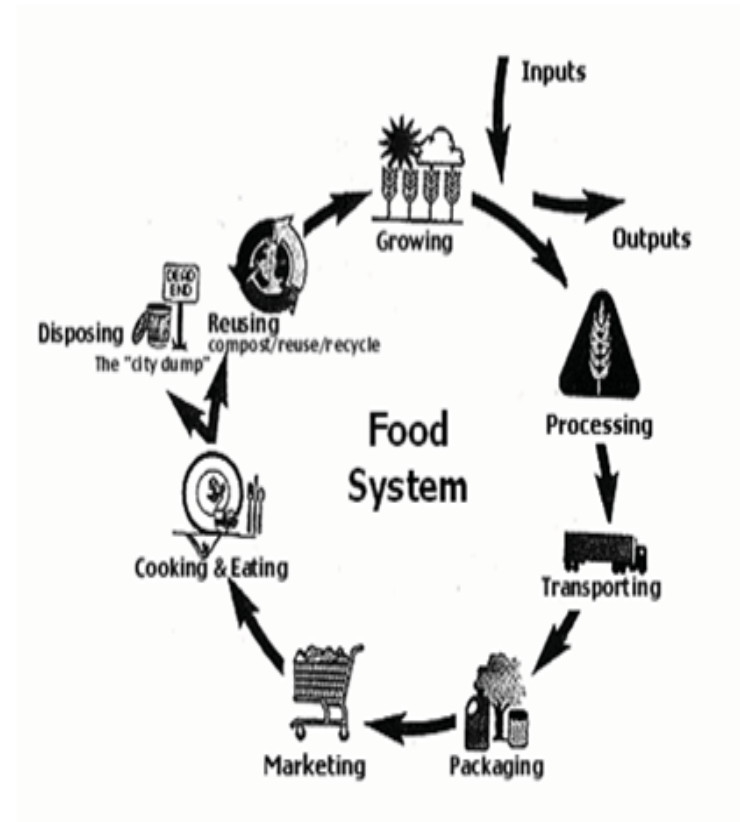


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# SEEDS in Action: *The UBC Food System Project*

- **Urban Agriculture**
- **Restaurant Design**
- **Climate Change**
- **Green menus**
- **Waste Management**
- **Procurement**
- **Marketing**



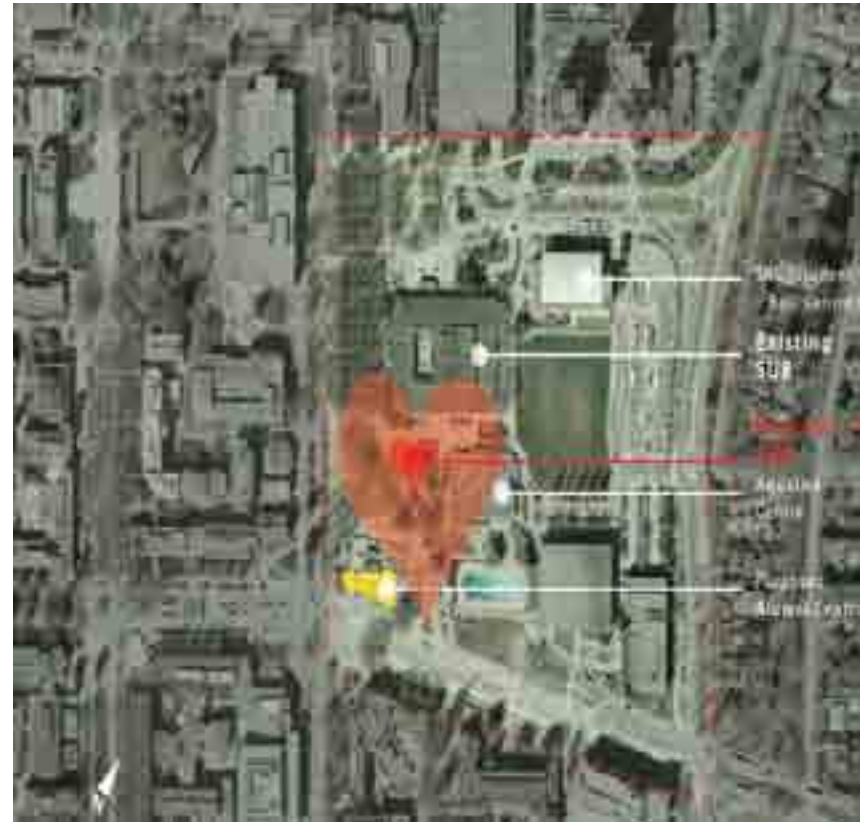
# UBC Food System Project: Scenarios





# **SEEDS in Action:** ***The New SUB Project***

- **Rooftop Garden**
- **Sustainable Procurement**
- **Green Building Materials**
- **Energy Harvesting**
- **Net Zero Water**
- **Composting Toilets**







**The New SUB Project – Living Wall**  
*Mech 457 Students 2010 – Living Wall Prototype*



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# SEEDS Sustainability Impacts

- **Building Life Cycle Assessments**
- **Biodiesel Fuel from Waste Oil**
- **Urban Gardens**
- **Synthetic Pesticide-free Campus**
- **Sustainable Food Service Operations**
- **New SUB projects**
- **Campus Engagement**



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# Challenges

- **Increasing Complexity**
- **Growing Demand**
- **Sustainability Silos**
- **Human Resources:**
  - **Staff Time & Energy**
  - **Financial Resources**





# SEEDS Successes



## The SEEDS Model:

- Community-Based Action Research (CBAR)
- Multi-stakeholder
- Collaboration
- Guidelines for students
- Recognition
- Online library



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**So, how can YOU get involved?**

**Contact SEEDS Co-Coordinator:  
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