

Chicago Growing Water

IPR 322

Team:

Joshua Blackketter

Matthew Boder

Niels De Vita

Juan De Marco

Patrick Fong

Jessica Henson

Sean Irish

Drew Johnson

Riju Konwar

Michael Kreitzer

Kamil Kuzmicki

Hyunjoo Oh

Ronald Ramey

Milena Stopic

Miguel Urdiales

Anna Vassi

Leadership: **Martin Felsen, Andrew Vesselinovitch**



iPRO PREMISE

*“2 out of 3 people in the world will
be facing
water shortages by 2025...
global conflict will inevitably
result...”*

-United Nations

FACT

20%

of Earth's Fresh Water
is on deposit
in the Great Lakes

Source: Southern Lake Michigan Regional Water Supply Consortium

FACT

95%

of United States fresh water
on deposit in
the Great Lakes

Source: Southern Lake Michigan Regional Water Supply Consortium

PROBLEM

Chicago consumes

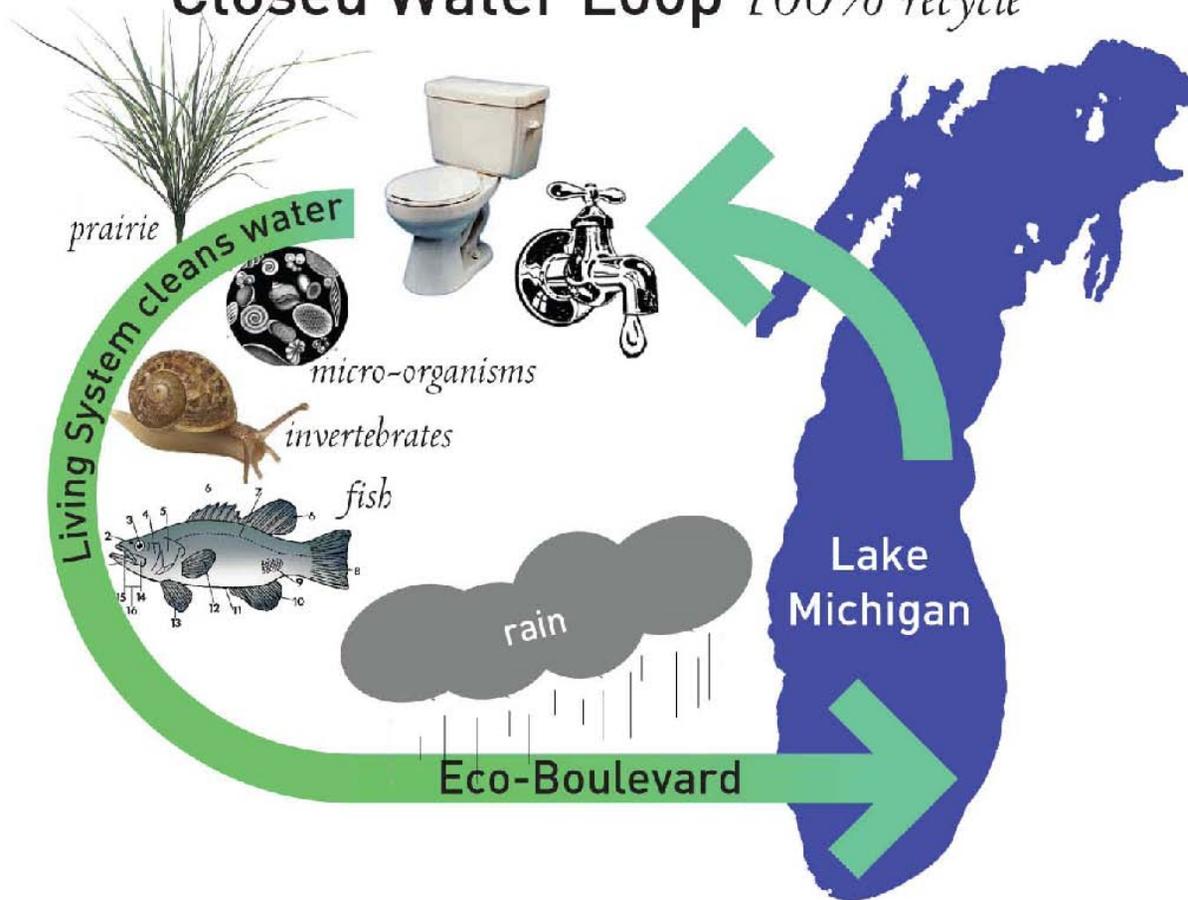
1,000,000,000

gallons of water a day from Lake Michigan and
replenishes

<1%

PROPOSAL

Closed Water Loop *100% recycle*



RESEARCH

Living Machines

Ecological Boulevards



group work

research phase 1

compilation phase 2

Presentation

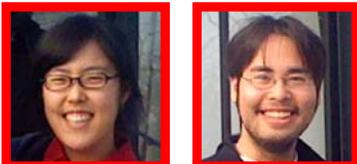
Living Machine - Social



Living Machine - Eco



Eco Boulevard - Social



Eco Boulevard - Eco



Graphics



Website



RESEARCH

Global sustainable landscapes promoting water preservation methodologies



Living Machine – Social : *Cedar Grove Cheese Company*



Living Machine – Ecological : *Lake Champlain Restoration*



Ecological boulevard – Social : *Parc De La Villette*



Ecological boulevard – Ecological : *Chunggye Stream Restoration*

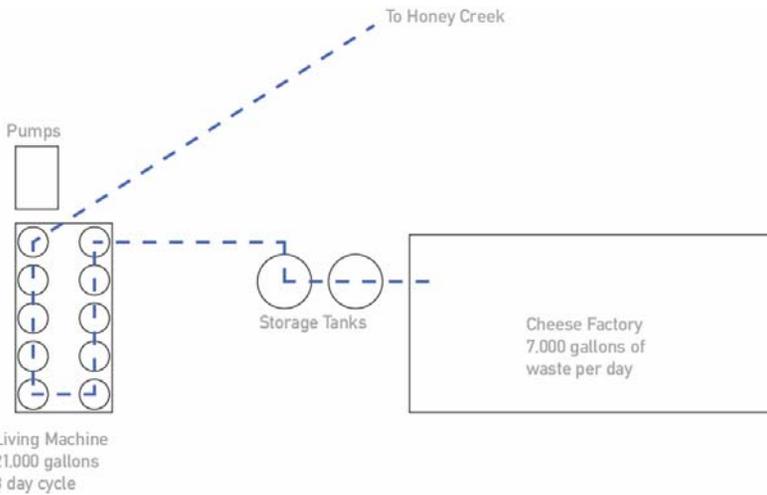
Living Machine-Social
Cedar Grove Cheese Company
Plain, WI USA



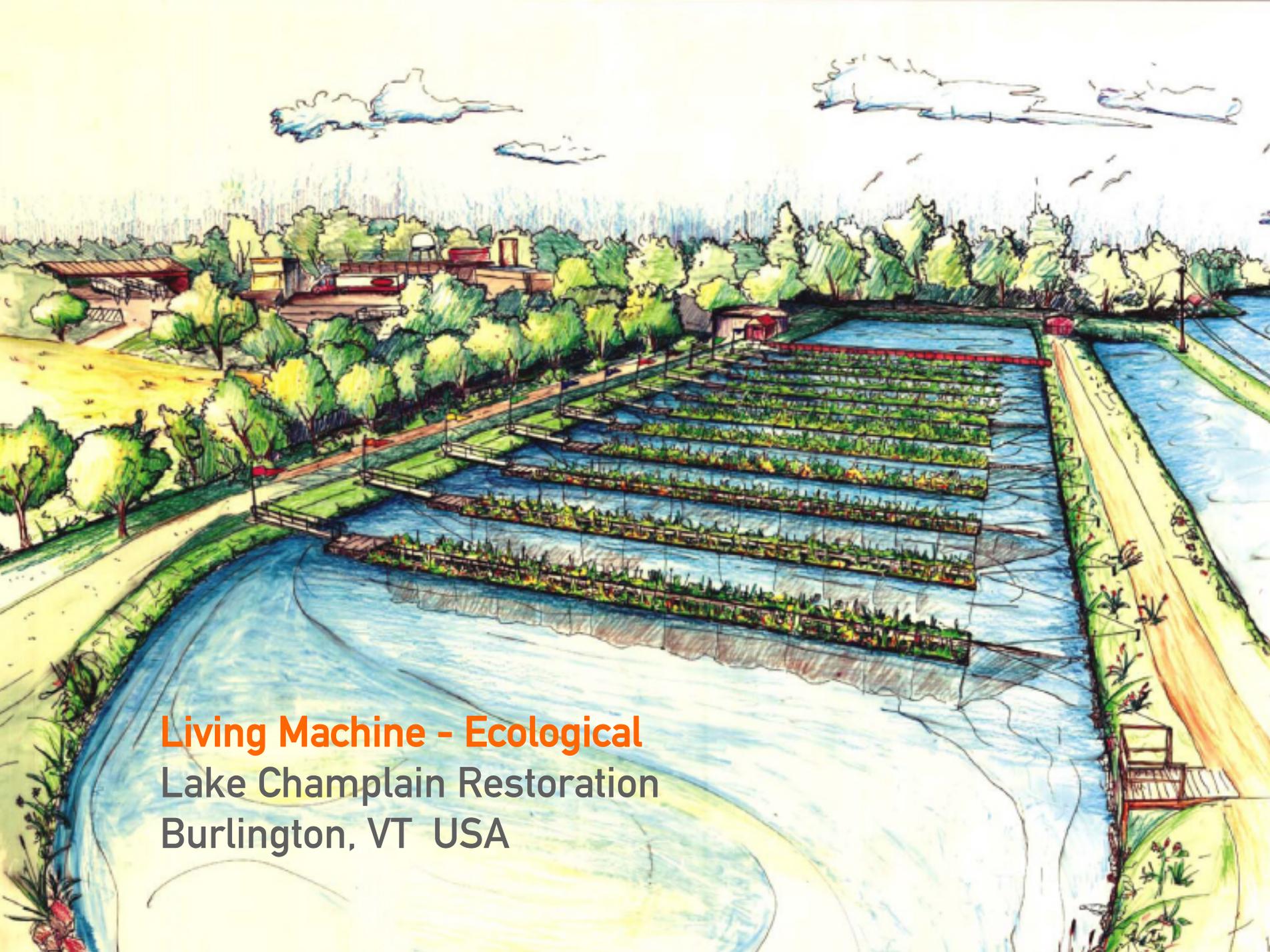
Living Machine-Social

Cedar Grove Cheese Company

Plain, WI USA







Living Machine - Ecological
Lake Champlain Restoration
Burlington, VT USA

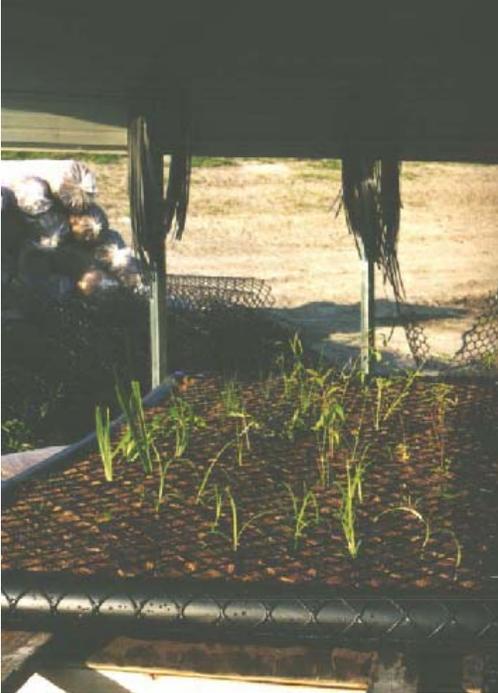
½ mile restorer with 25,000 high plants



plant growth and progress



may



june



august

Ecological Boulevard - Social

Parc De La Villette

Paris, France



Ecological Boulevard - Ecological Chunggye Stream Restoration Seoul, South Korea



how will it work?

Growing Water.com

IPR 322



Growing Water Basics

Eco-Boulevard Case Studies

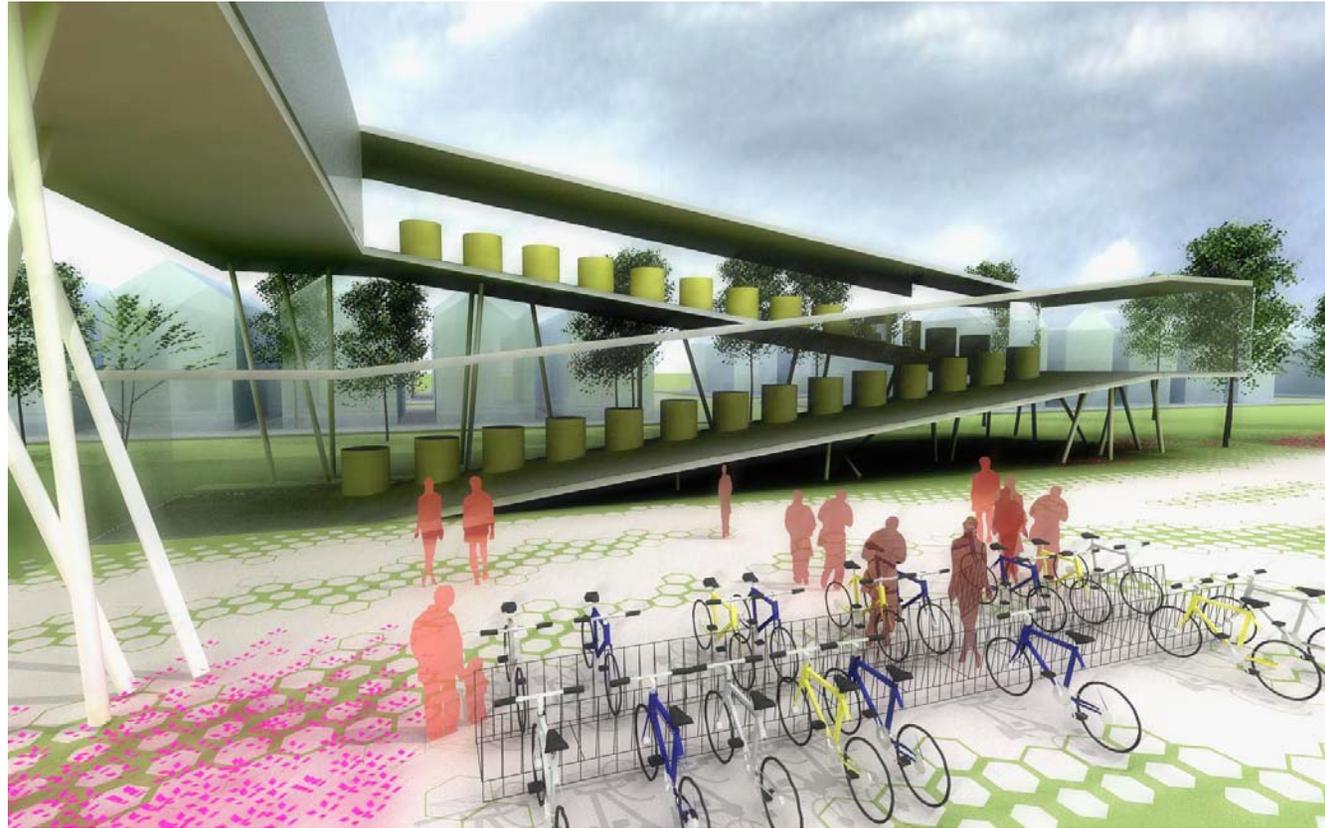
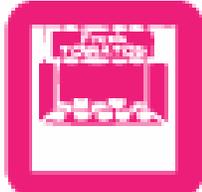
Build Your Own Eco-Boulevard

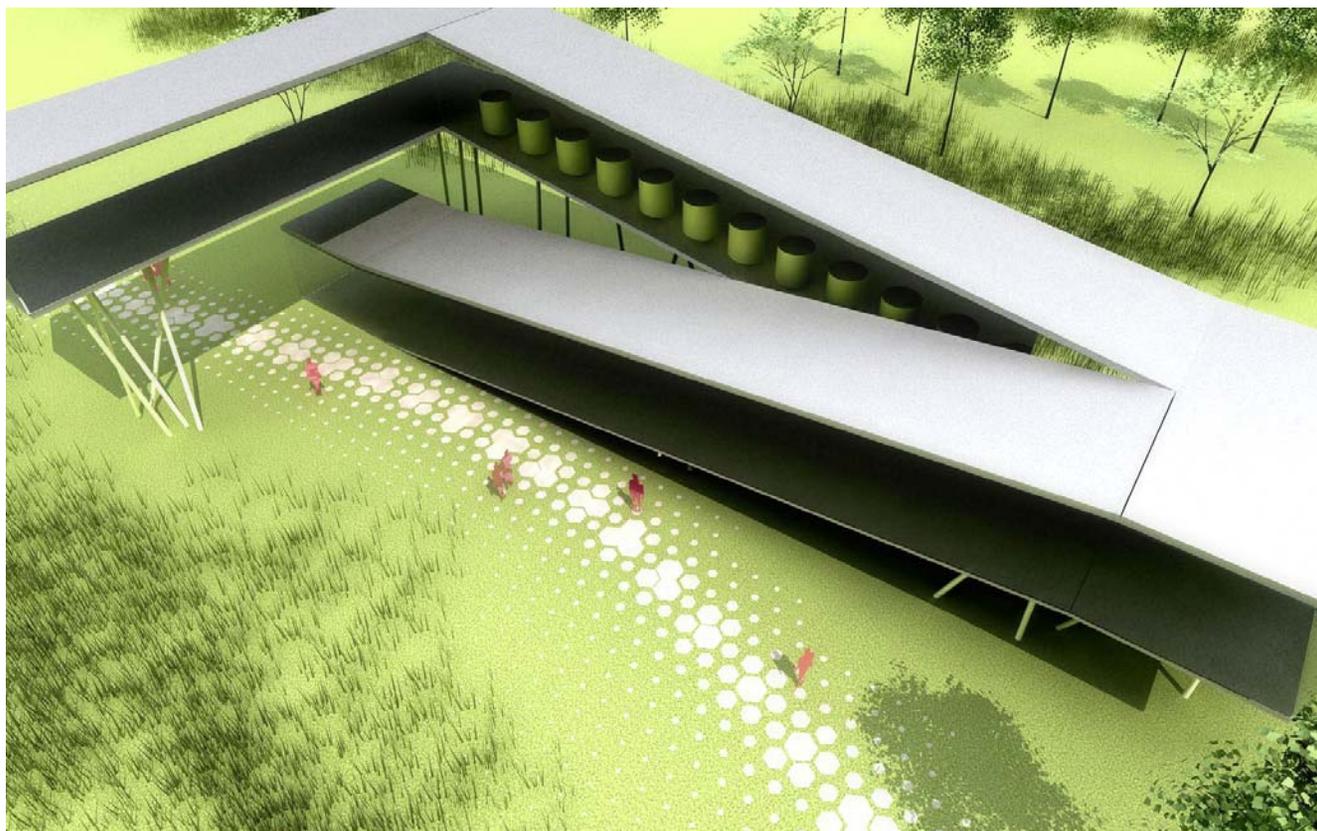
Living Machine-Social

Living Machine-Eco

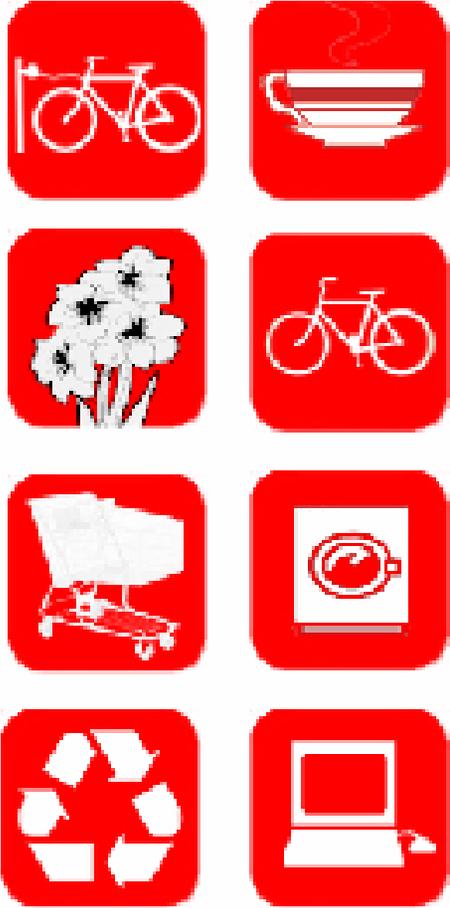
Eco-Boulevard-Social

Eco-Boulevard-Social

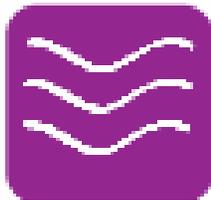
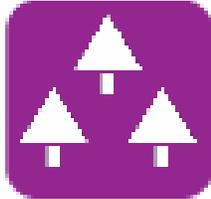




Living Machine-Social Living Machine-Eco **Eco-Boulevard-Social** Eco-Boulevard-Social



Living Machine-Social Living Machine-Eco Eco-Boulevard-Social **Eco-Boulevard-ECO**



PROJECT TIMELINE

