

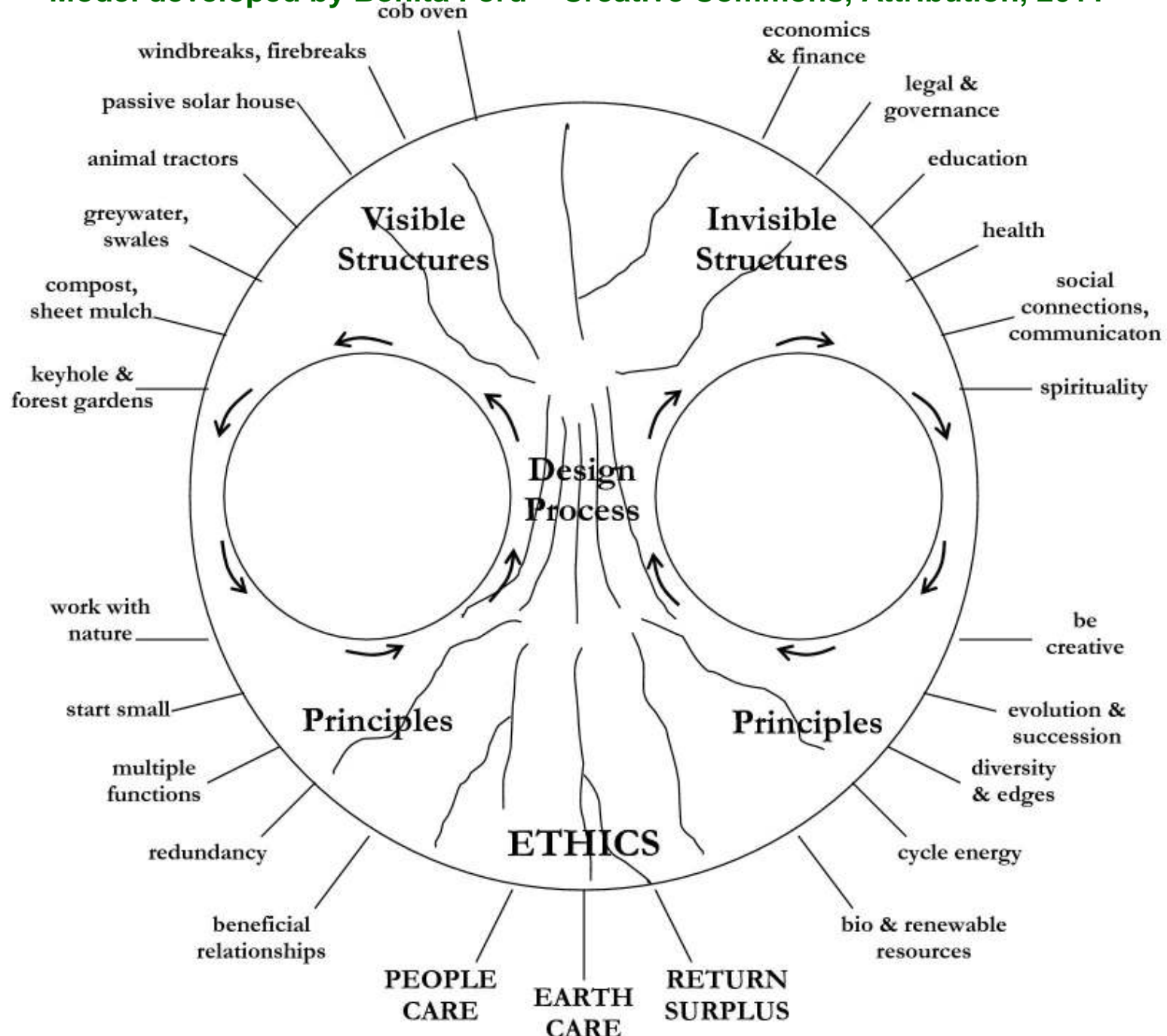
Permaculture: Eco-logical Design for People & Earth



with Bonita Ford

What is Permaculture?

Model developed by Bonita Ford – Creative Commons, Attribution, 2011



What is Permaculture?

- eco-logical design
- “permanent agriculture”** and **“permanent culture”**

What is Permaculture?

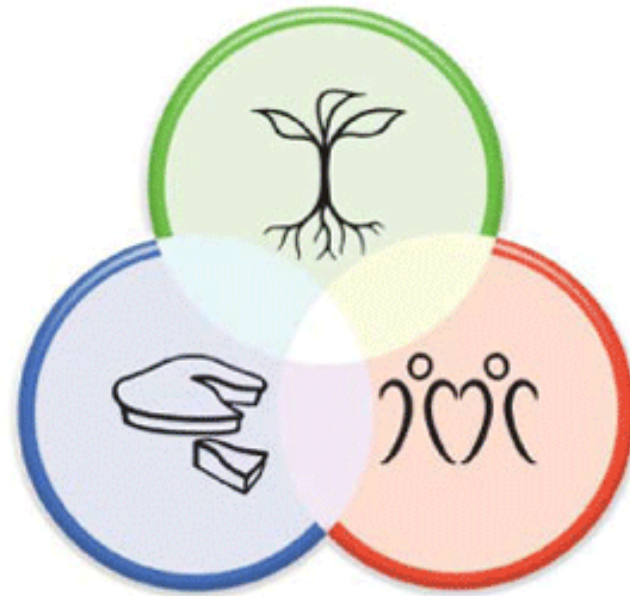
- for **physical systems** (eg. farms, gardens) & **social systems** (eg. organisations, businesses)

What is Permaculture?

- More than techniques
- Holistic planning and making decisions

Permaculture Ethics

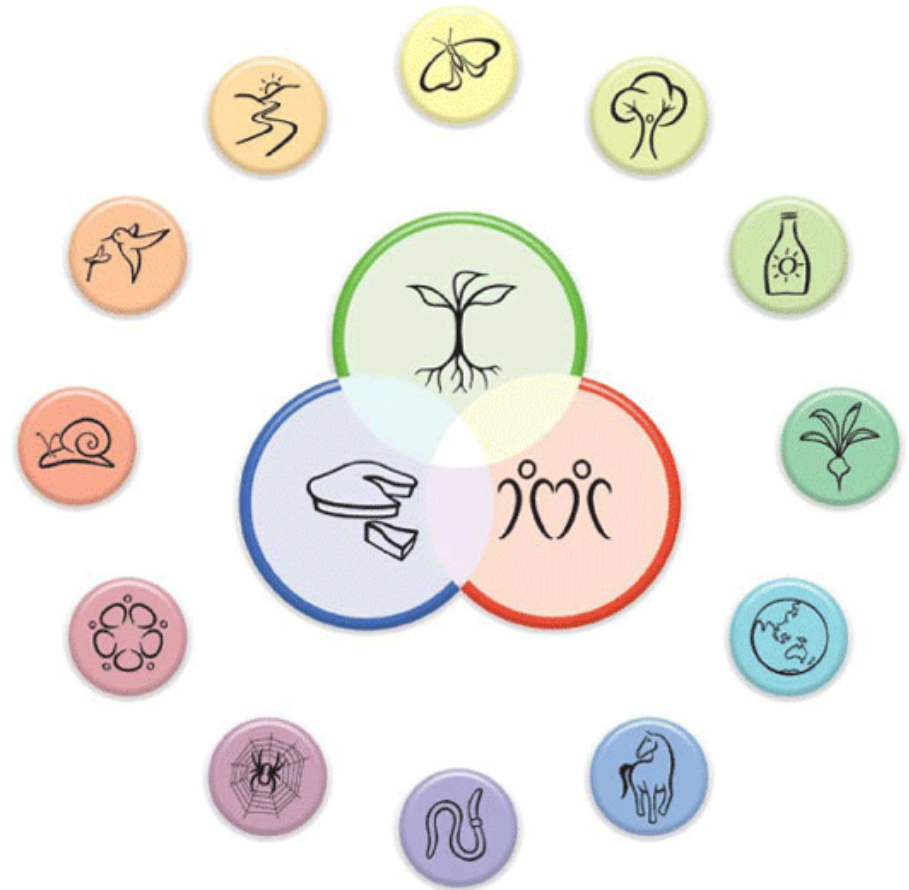
- Earth care
- People care
- Fair share



Permaculture Principles

- From nature
- Apply to all aspects of life

Adapted from the founders Bill Mollison & David Holmgren



1) Work with Nature

- Observe
- Mimic
- Feedback, info



2) Start Small & Slow

- Smallest change
- Small “mistakes”



3) Multiple Functions

Every thing has multiple purposes



4) Redundancy

Back-ups for critical services



5) Beneficial Relationships

- “Win-win”
- Useful connections
- Reciprocity



6) Biological Resources

- Renewable, free
- People, animals, plants



7) Cycling Resources



- Waste = food
- Reuse many times



8) Diversity & Edges

- Biological, social
- Mix, exchange, innovate



9) Evolution & Succession

- Mature, self-reliant
- Like forests



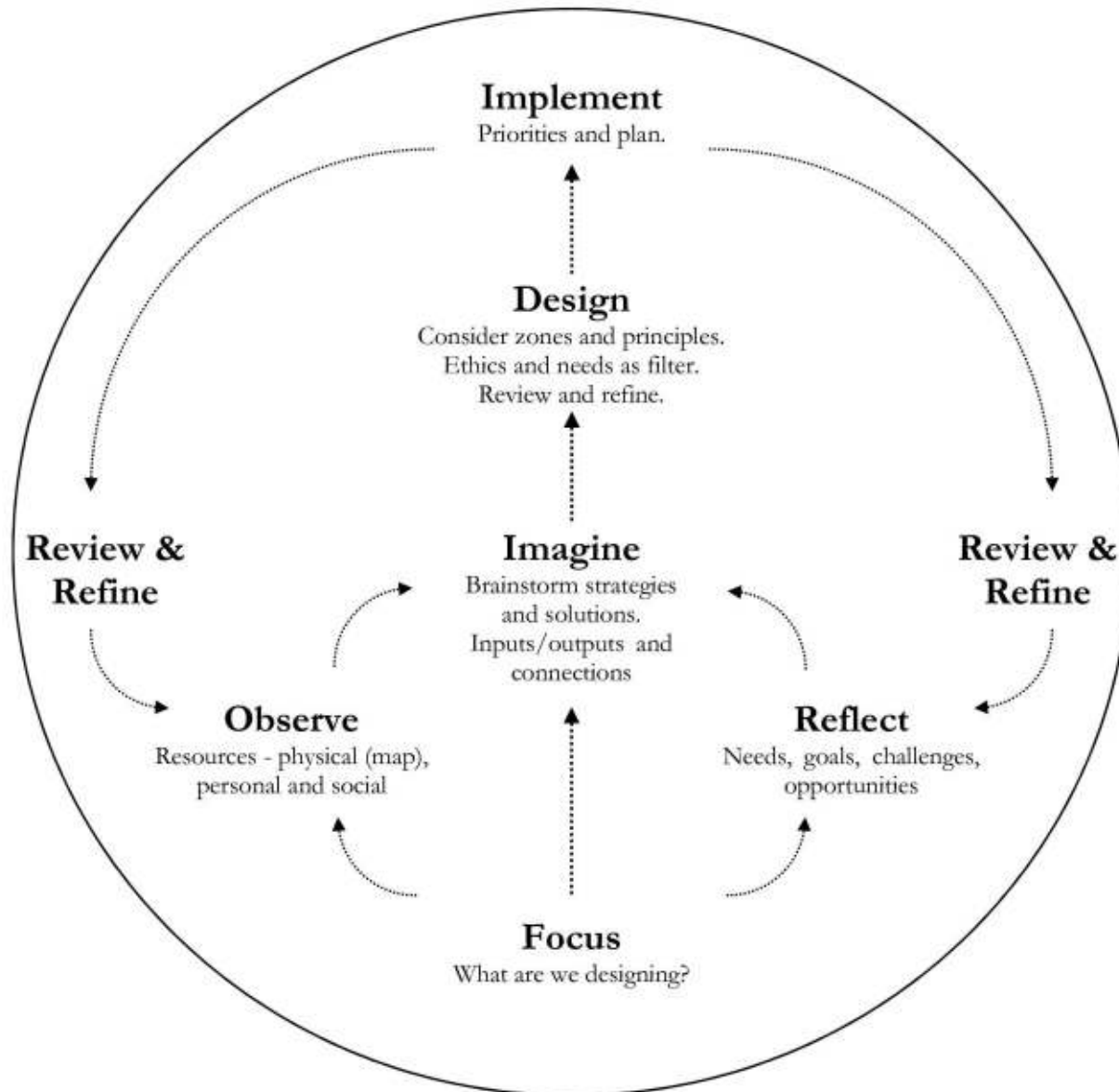
10) Be Creative

- Problem = solution
- Productivity limited by creativity



Design Process

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Design: Our Land



Before...



3/18/2011 Water - Snow melting

0-10C,
Snow melting

grass
exposed

barn

* may not close
enough to scale?

birch
grass
exposed

snow

all snow
slight
afternoon
shade from
black walnuts,
mostly from
barn

3/19

no standing
water today
0-5C, ground
seems solid,
snow was frozen
'crunchy' again
1st shrub near
elderberry (doffbehl?)

garage

standing
water
why? low area? compact
B2 had cleared path toward
barn

seem to be close
to wettest spots.
grass exposed

last week,
#1 with standing
water, when grass
exposed now
land v slightly
slopes away from
house - wood chip
are close to down

afternoon shade
from cedars, shrubs,
apple
#1 most standing
water (deepest)
was driveway - grass
compact
build soil up
wood chip around

Observation







Relative location



















Perennid polycultures





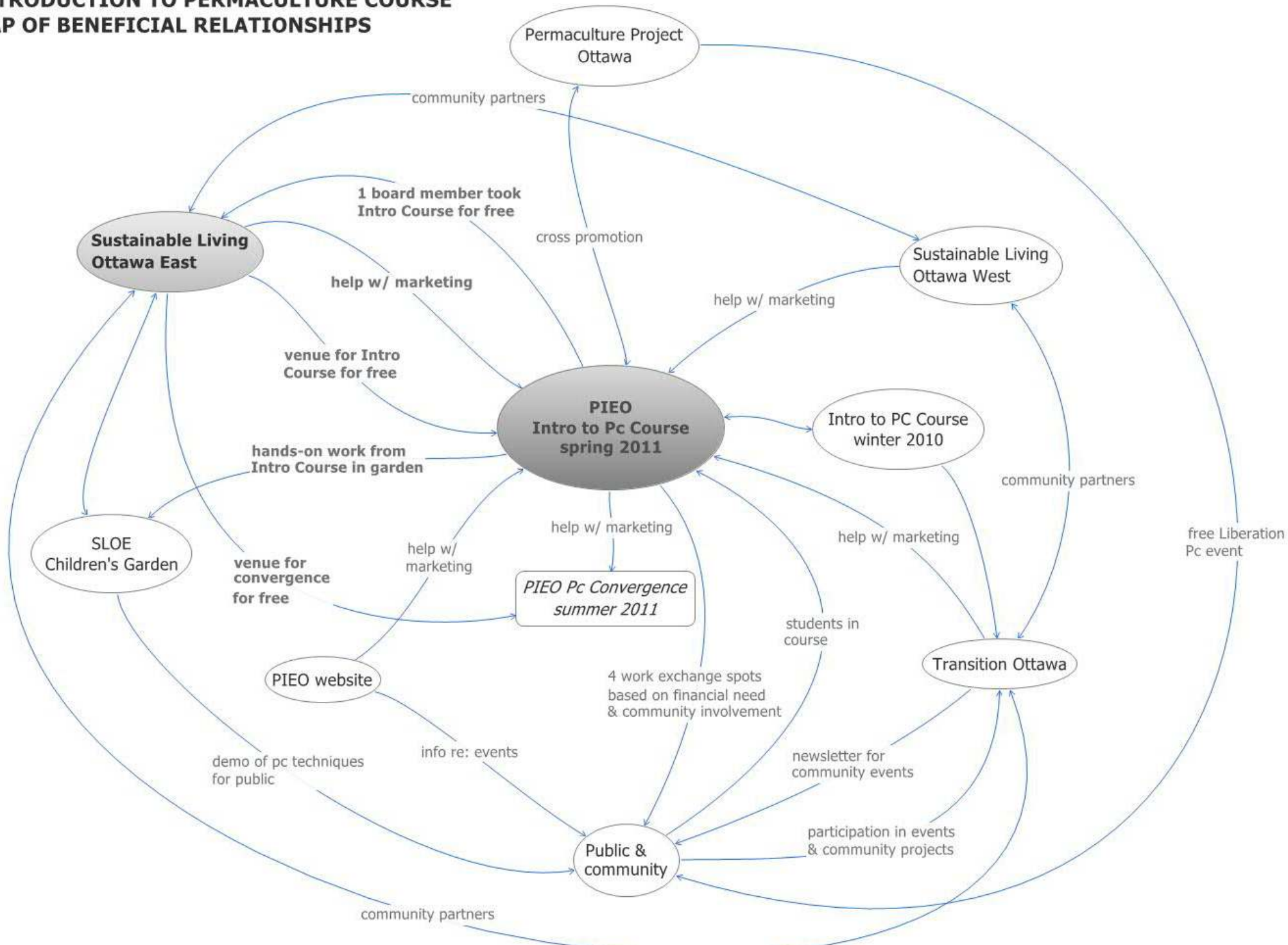




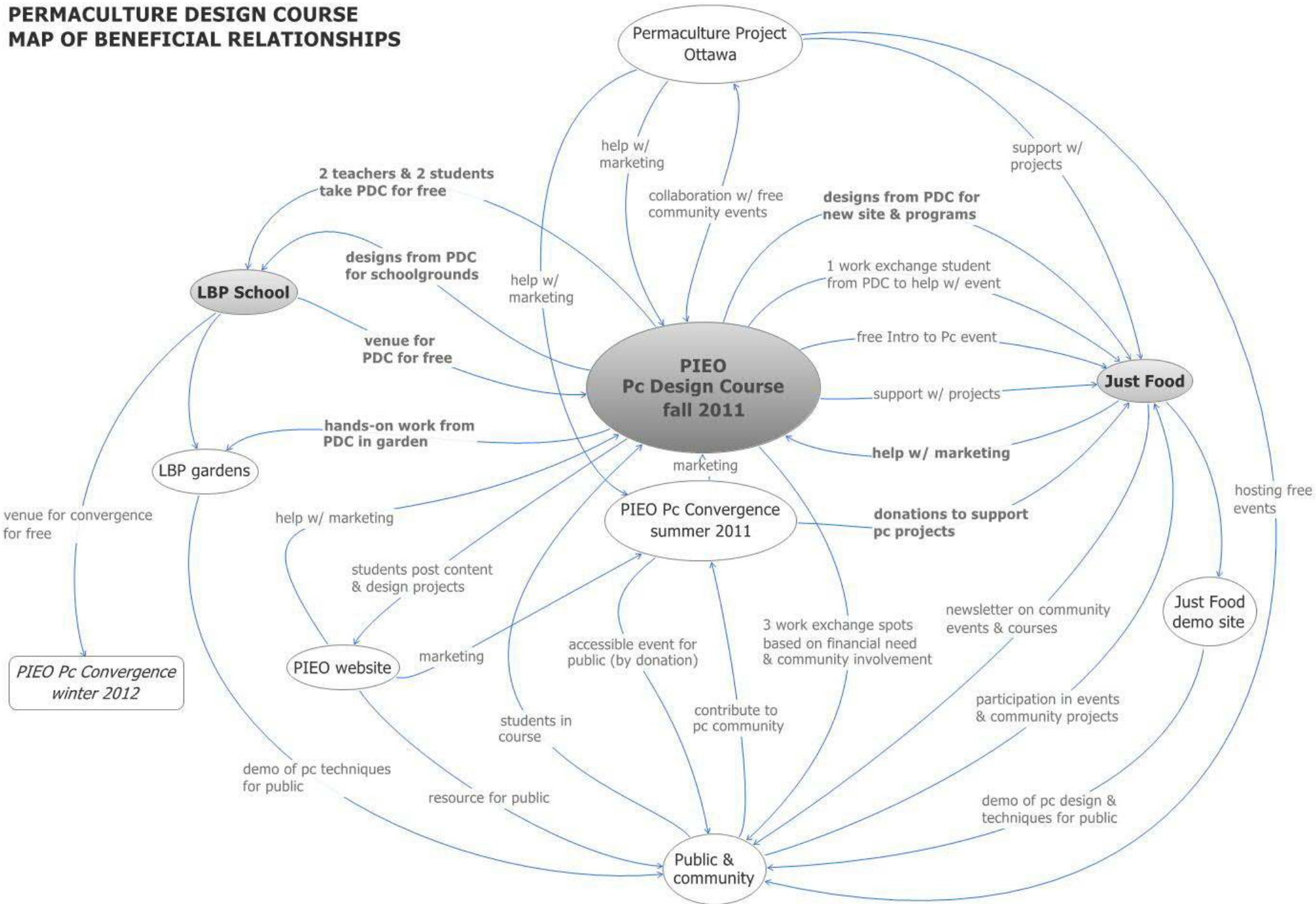


Design: PIEO Courses

**INTRODUCTION TO PERMACULTURE COURSE
MAP OF BENEFICIAL RELATIONSHIPS**



**PERMACULTURE DESIGN COURSE
MAP OF BENEFICIAL RELATIONSHIPS**



Design: West End Well



- physical space
- produce
- events
- ✓ *multiple functions*

Design: West End Well



- free meeting space
- ✓ *reciprocity*
(relationships, cyclic)
- ✓ *edges*

Design: West End Well



volunteers

- ✓ *abundant resources*
- ✓ *reciprocity*
(relationships, cyclic)