



Grow these in your gardens! Help preserve these species!



Design happens within a context



Annual Plants

Perennial Plants and Grasses Shrubs

Time

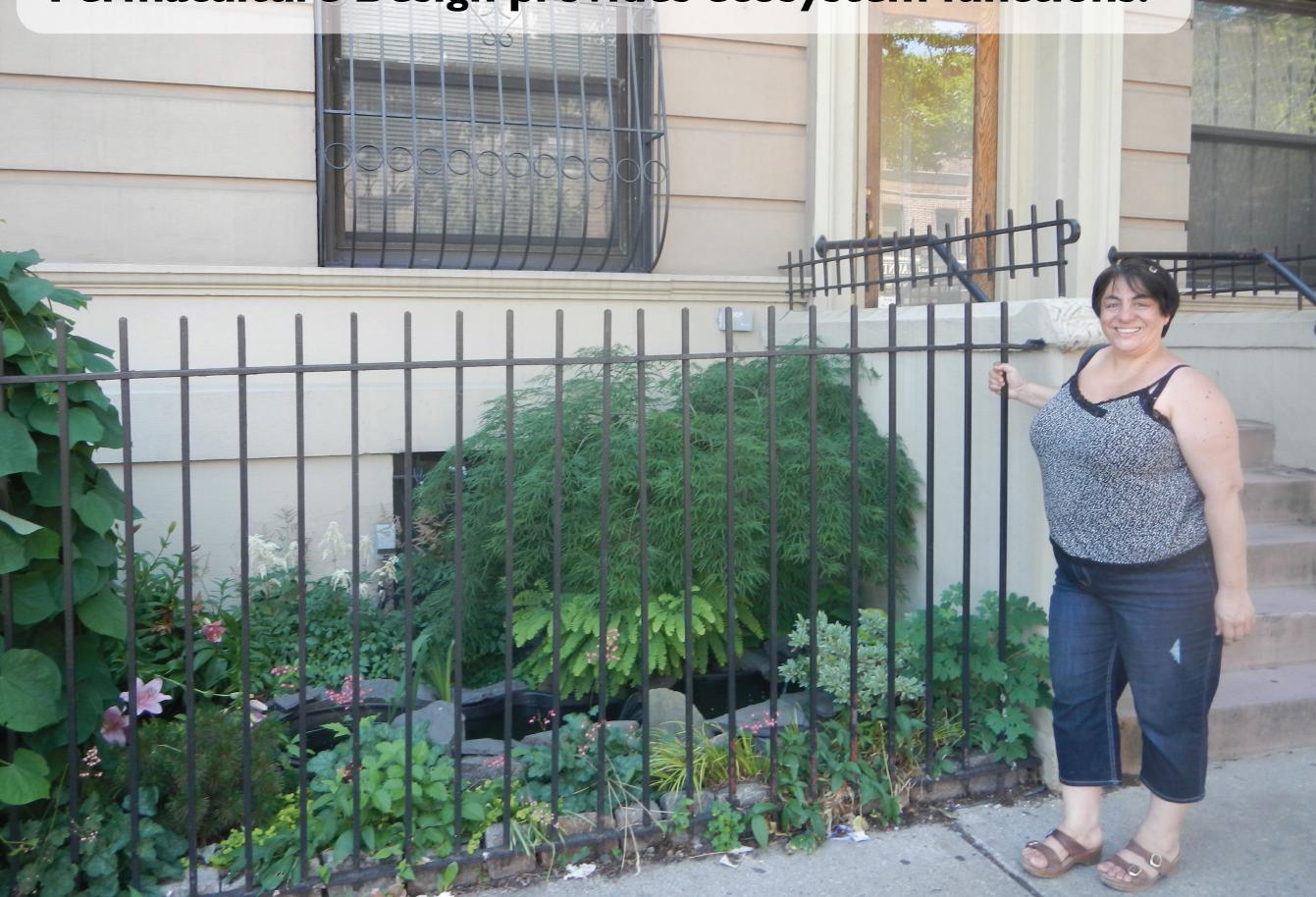
Softwood Trees - Pines Hardwood Trees

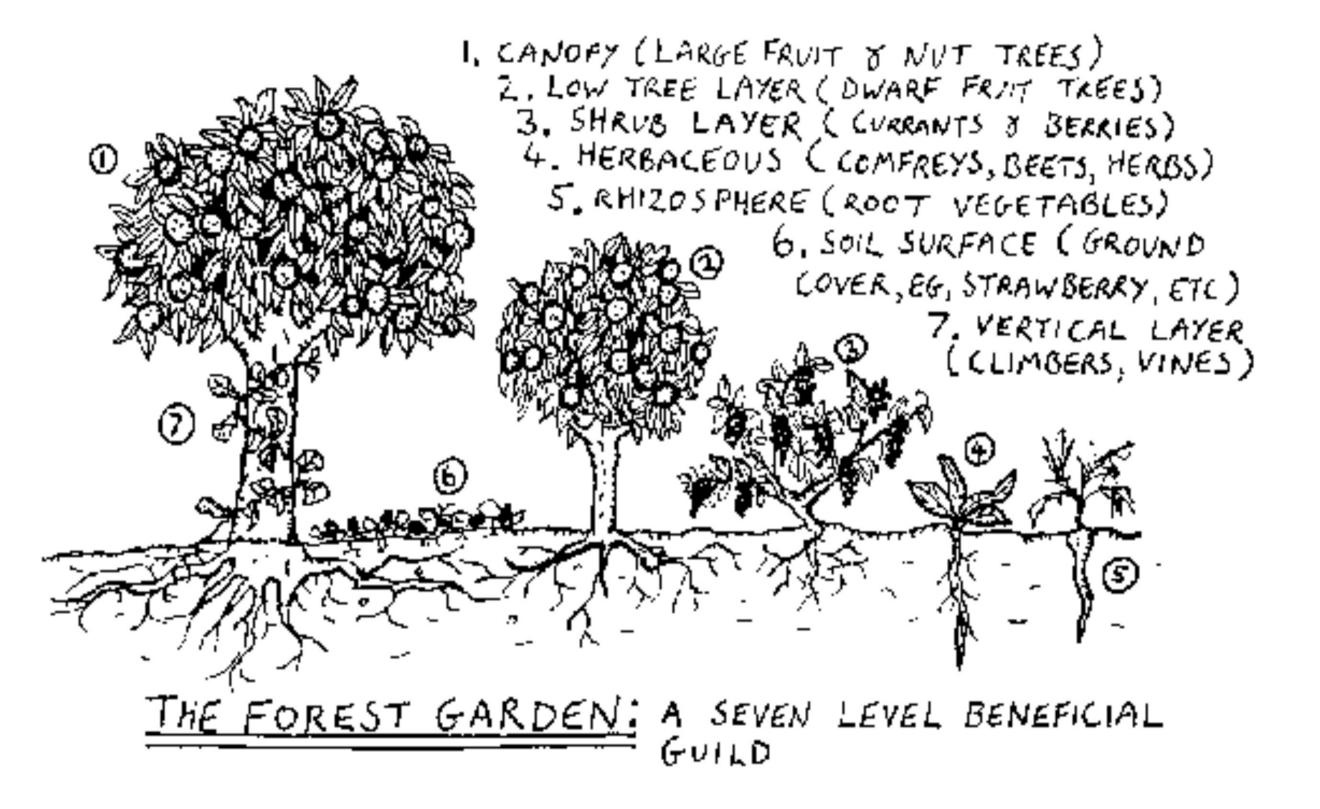


Many climate experts – from officials at the United Nations Food and Agriculture Organization to sustainable environmentalist and 2004 Nobel Peace Prize Winner Wangari Maathai – agree that allowing farmland to revert to its natural grassy or wooded states is the easiest and most direct way to slow climate change.



Permaculture Design provides ecosystem functions.



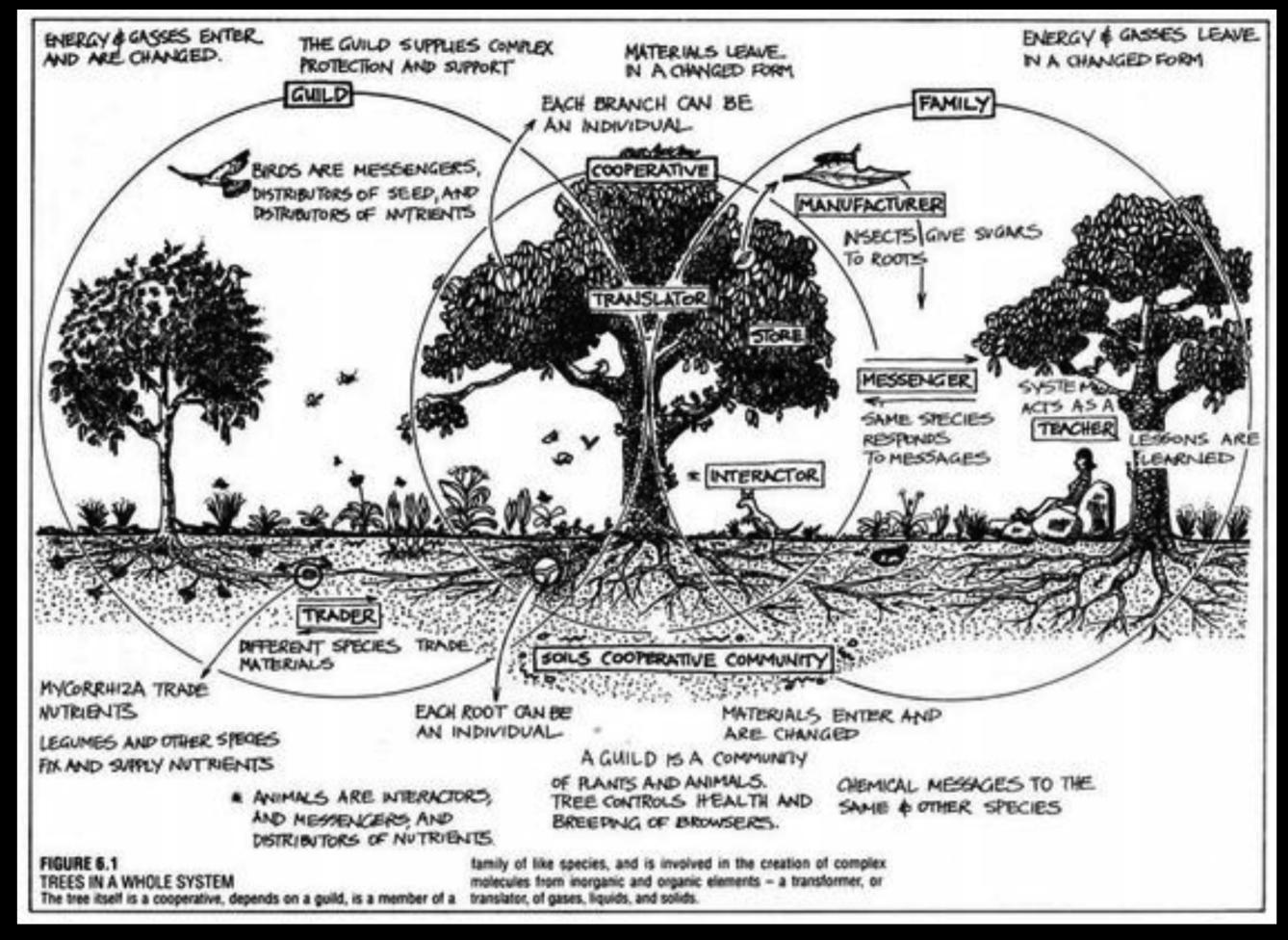


Quince -Tree Layer

> Currant -Shrub Layer

Comfrey - Herbaceous Layer, Dynamic Accumulator

Squash -Herbaceous Layer Groundcover Peppermint -Herbacious Layer, Aromatic

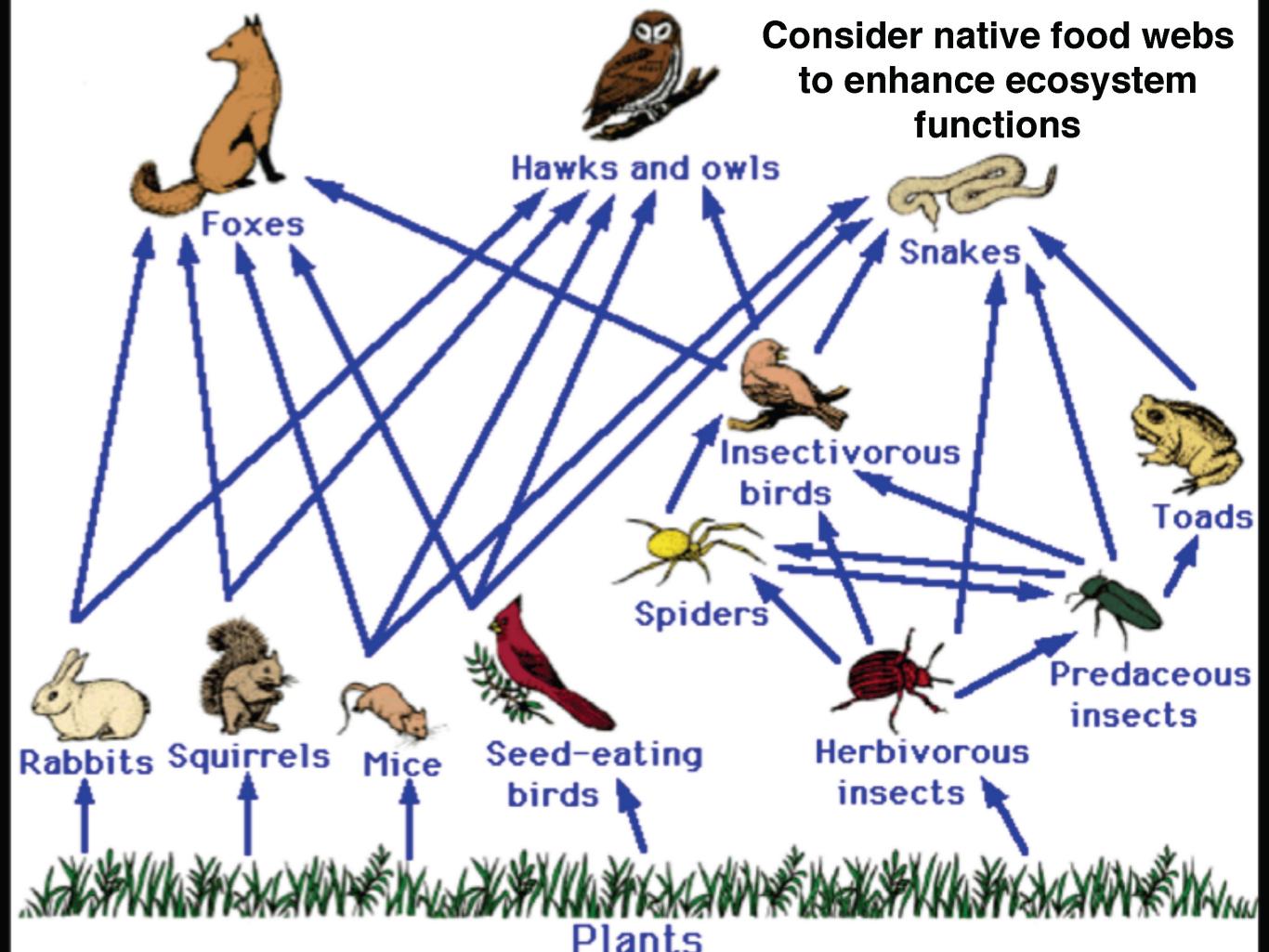


From the <u>Permaculture Designers Manual</u> by Bill Mollison

Analog Species provide design clues

Sweet Woodruff (Galium odoratum) Cultivated

Cleavers (Galium aparine) Native



Plants Provide Diverse Yields and Services:

~ Food

- ~ Medicine
- ~ Cut Flowers
- ~ Habitat for wildlife
- ~ Repels pests
- ~ Nutrients in soil
- ~ Makes soil more receptive
- ~ Nitrogen Fixation
- ~ Mulch
- ~ Fiber
- ~ Fuel
- ~ Weed Suppression



System Establishment Guild



Mutual Support Guild

2000 Plant Guilds

- 20

Resource Partitioning Guild



Diverse soil building strategies are critical to support our gardens through the drought of the summer



Multiple elements for a single function





Local Water Filtration Strategies



Multiple functions for single elements Case Study: My Home, Portland, OR typical and easily replicable

50

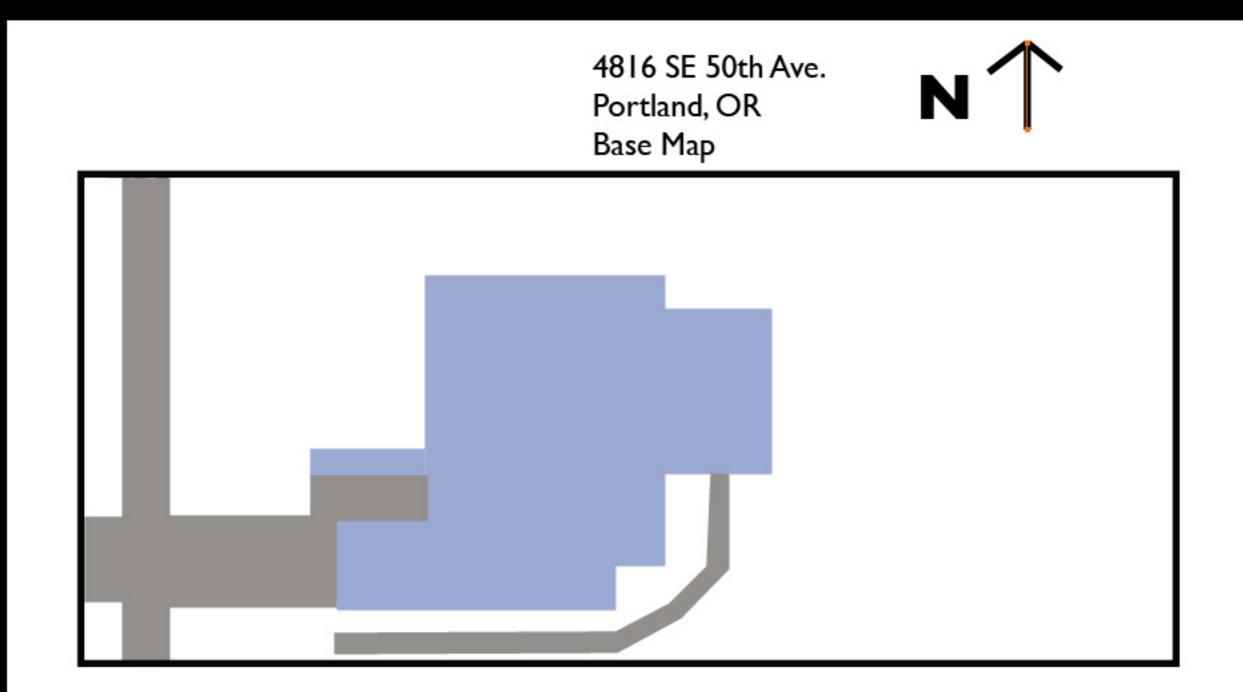
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A POST A PROVIDENT

Two Years Later, we can get lost in the landscape



Site Analysis



Sector Analysis - Off-site Influences

