## **Biospheric Urban Activities**

- Permaculture Approach -

#### **Permaculture Principles**

Observe and Interact
Design from Patterns to Detail
Integrate rather than segregate
Apply Self-Regulation and Accept
Feedback
Use & value renewable resources &
services
Use & value diversity
Use edges & value the marginal
Creatively use & respond to change
Produce No Waste

#### **Symmetry**

Permaculture Assiciation Agro-forestry Trust Edible Cities Permaculture Institute Manchester Permaculture Network

#### **Community Building**

Education
Events
Volunteers
Employment
Partnerships
(with community groups)

#### **Earth Care**

Awereness
Knowledge
Skills
Reduce Food-milage
Reduce Carbon Footprint
Sustainability
Biodiversity

#### People care

Spiritual care Sharing Education Friendship Employment Culture

#### **Fair Share**

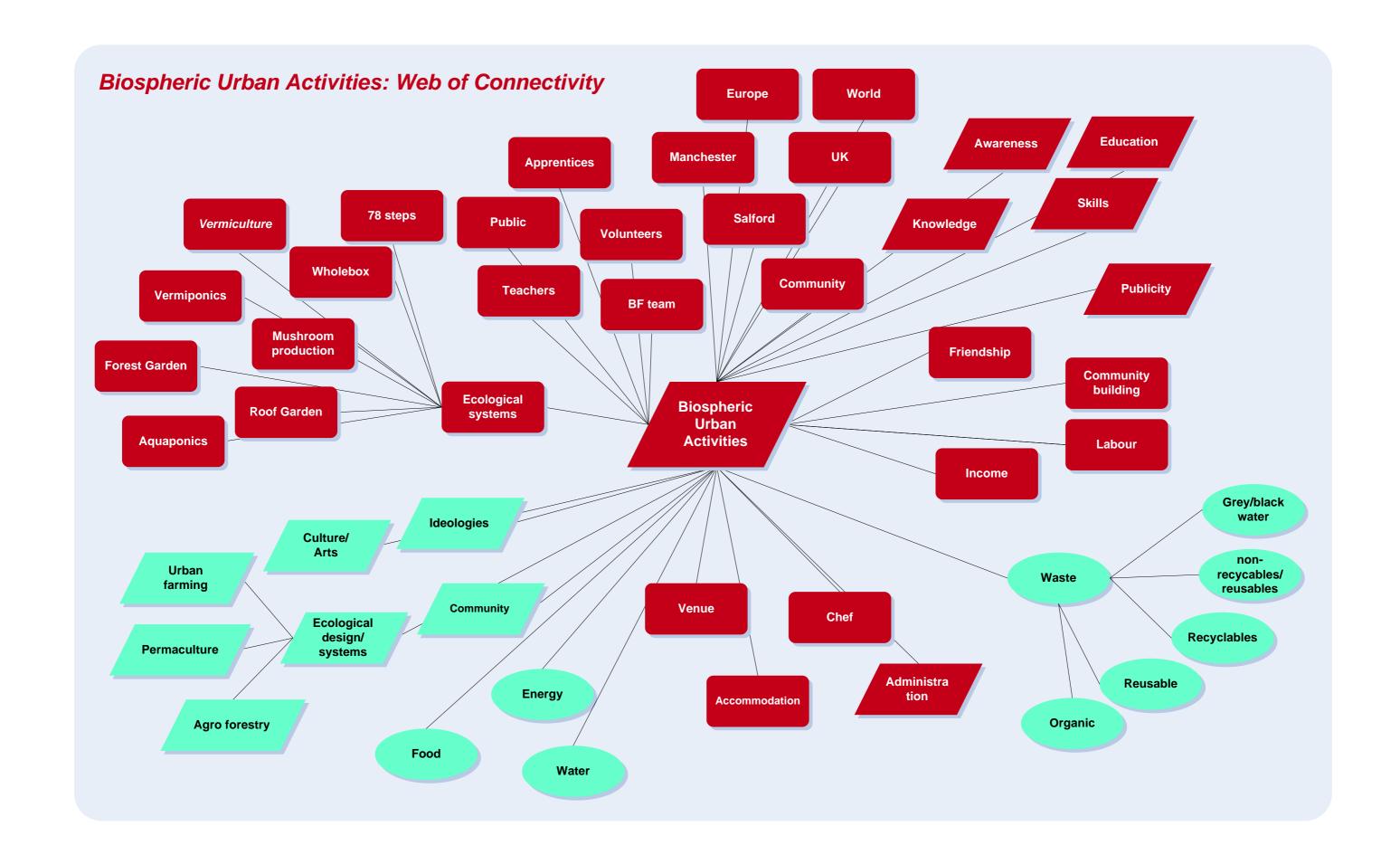
Employment
Volunteering
Education
Not-for-profit
Income related pricing
Give back to community

### **Dissimination**

Blogs Material handouts (booklets, handouts, flyers) Social media

#### **Evaluation & Costings**

Budgetting Market Research Design Process



# **Needs**

Water
Food
Energy
Protection (wind, rain, sun, hazards)
Warmth
Money
Building
Facilities
Equipment
Community
Marketing
License (events)

# **Products & Behaviours**

Awareness
Knowledge
Education
Skills
Income
Social development
Friendship
Community building
Work done (workshops)
Materials (study, handout)
Warmth
Noise
Security
Waste (organic, non-organic)









**Urban ecological systems** 

**Research Lab** 

**Experts in-house** 

#### Biospheric Urban Activities: Guild Contribution to us **Events** Workshops **Outreach (climbers)** Courses Researchers **Employment** BF team Volunteer placements **Protectors** New Biospheric projects Health & Safety regulations Third party projects Risk Assessment Fire security installations Local emergency services First Aiders Staff **Marketing (miners)** Social control Facebook Volunteers LinkedIn Social Media Websites e-mail Newspapers **Biospheric** Television Urban Magazines **Supporters Publicity Activities** Staff Volunteers Schools / Universities Family Friends **Contribution to education** Community members Research Manchester International Studies **Festival** Ideologies Other farmers / orgs / Permaculture enterprises Agro Forestry **River Irwell Trust Base (ground covers) Organic Farming** Permaculture Association **Biospheric Project Urban Farming** Other supportive orgs Forest Garden Conservation Wholebox Urban ecological systems Roof Top Childcare Seminar room Gastronomy Administration

**Biospheric Foundation** 

Mother earth

Culture

Arts

**Facilities** 

Quite room

Service

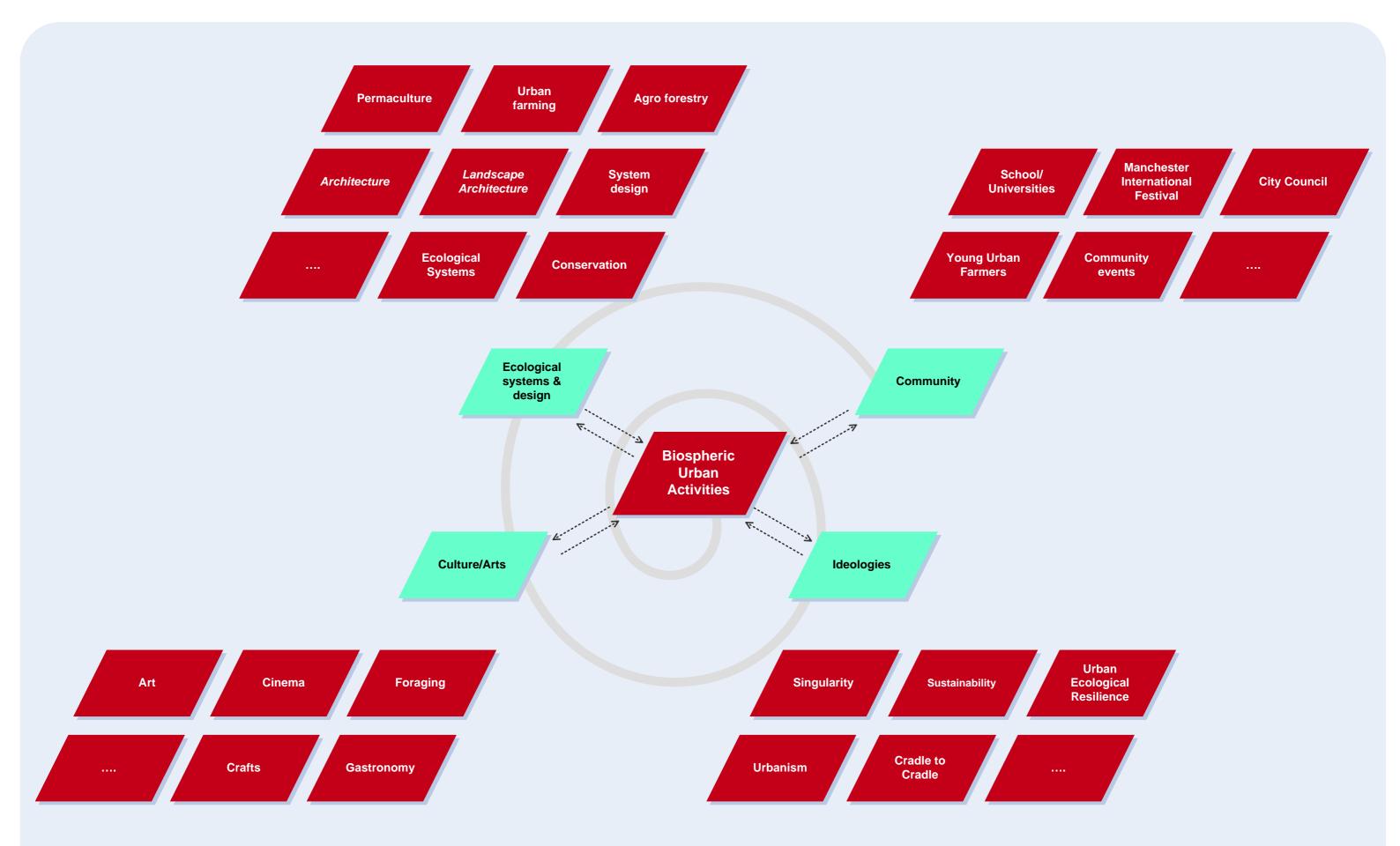
Equipment

Waste management

Worms -organic waste

Recycling company

Waste company



Biospheric Urban Activities: Areas