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SNAPSHOT



Local Food Shed Resilience

REJECTED

Fairfield, IA, United States

Biomimicing Honey Bee Hive functions to grow Local Food Shed Resilience to ensure Community Health and Well-Being


Team Entry Category:
 Open

Expertise:
 Agriculture, Biology and/or ecology, Business and/or marketing, Chemistry & molecular biology/biochemistry, Computer science, Communications, Entrepreneurship, Food science, Food systems, Graphic design, Software design, Sustainability, Systems design, Other

ACTIONS

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TEAM LEADER

Name
 Theo Ferguson

Email address
 theo@healinglivingsystems.org

Contact phone number
 1-510-548-7490


TEAM OVERVIEW

About the team
 Local food, farming, and finance infrastructure challenges are legion: Environmental: Monocultures—80% of the 1,500 million hectares of global arable land—need excessive fossil fuels that increase climate extremes; biofuels and animal feedlots are unsustainable—they produce environmental degradation and financial losses. Social: Land succession, aging farmers, and expensive land costs keep new farmers from farming; global risks include the disparity of income and global health pandemics. Financial: Pernicious management practice: “maximization of shareholder value”; competition from industrial processed food producers causes both global health pandemic impoverishment and huge tax burdens. Our systemic response to these issues is a Local Food Shed Resilience Program in the Fairfield, Iowa community. Through integrated inquiry, we elevate three projects: a Food Hub, Food Democracy, and support for the Sustainable Iowa Land Trust (SILT) through graduate level certificate courses including hands-on practice based on bio-remediation of mono-cropped land to land managed using agroecological practices.


Other areas of expertise
 Anthropology, community benefit ROI, socially responsible and direct relationship driven investing, food systems equity, local food-farming-and finance infrastructure design, 40 years of coop farm experience

Accepting New Members
 No


TEAM MEMBERS




Louis
 Dondanville (Leader)




Appachanda Thimmaiah
 (Member)




Paul
 Durrenberger (Member)




Fred Rosenberg
 (Member)



Stuart Valentine
 (Member)



Louis
 Dondanville (Member)



Martin Ping
 (Member)

A Local Food Shed Resilience Program (LFSRP) is a systems solution that improves health and resilience in a community and increases quality of life at a community Food Shed level.

Slides 1-3 are quotes from Fairfield, Iowa’s LFSRP Design Phase submission in the 2015 Biomimicry Institute’s Global Design Challenge in Food Systems. The LFSRP Design Phase functionally biomimiced the honey bee hive cell and swarming practices—the six perspectives lens is used to determine if a community project is sustainable and the swarming practices are used in transferring the LFSRP to another community. In Fairfield, IA’s case, we have invited the Capay Valley, CA community to co-evolve the LFSRP with us based on philosophical alignment and infrastructure businesses--Food Hub and Food Preservation. The LFSRP Development Phase biomimics the pupa and emergent phases of the butterfly.

Inquiry: How can Integrated Food Shed Systems based on Biodynamic Practices—Biology, Microbial Infrastructure—enhance nutrition and farmer respect and success, as these practices take root in both rural and urban habitats?

Dr. A Thimmaiah
Bio-Resilience

Inquiry: How are local food, farming, and finance infrastructure systems that realize community resiliency grown? Tool set: goodfoodweb.com; applied agro-ecological curriculum

Theo Ferguson: **Food Shed Infrastructure Resilience**

Inquiry: How are all community members engaged in the production, distribution and health benefits of an Active Food Democracy and what practices and tool sets are needed to support this goal?

Fred Rosenberg:
Food Democracy

Inquiry: How are learning communities grown? What needs to be in place so that each member functions with personal agency, unafraid and grateful for her/his interdependence within all living communities?

Martin Ping:
Presence Awareness

Spiritual
Connectivity,
Biodynamics,
Community
Benefits

Inquiry: How do communities design and implement a biomimetic financial and transactional eco-system that utilizes biomimicry principles to enhance the vitality of their local food systems?.

Stuart Valentine:
Regenerative Value Exchange

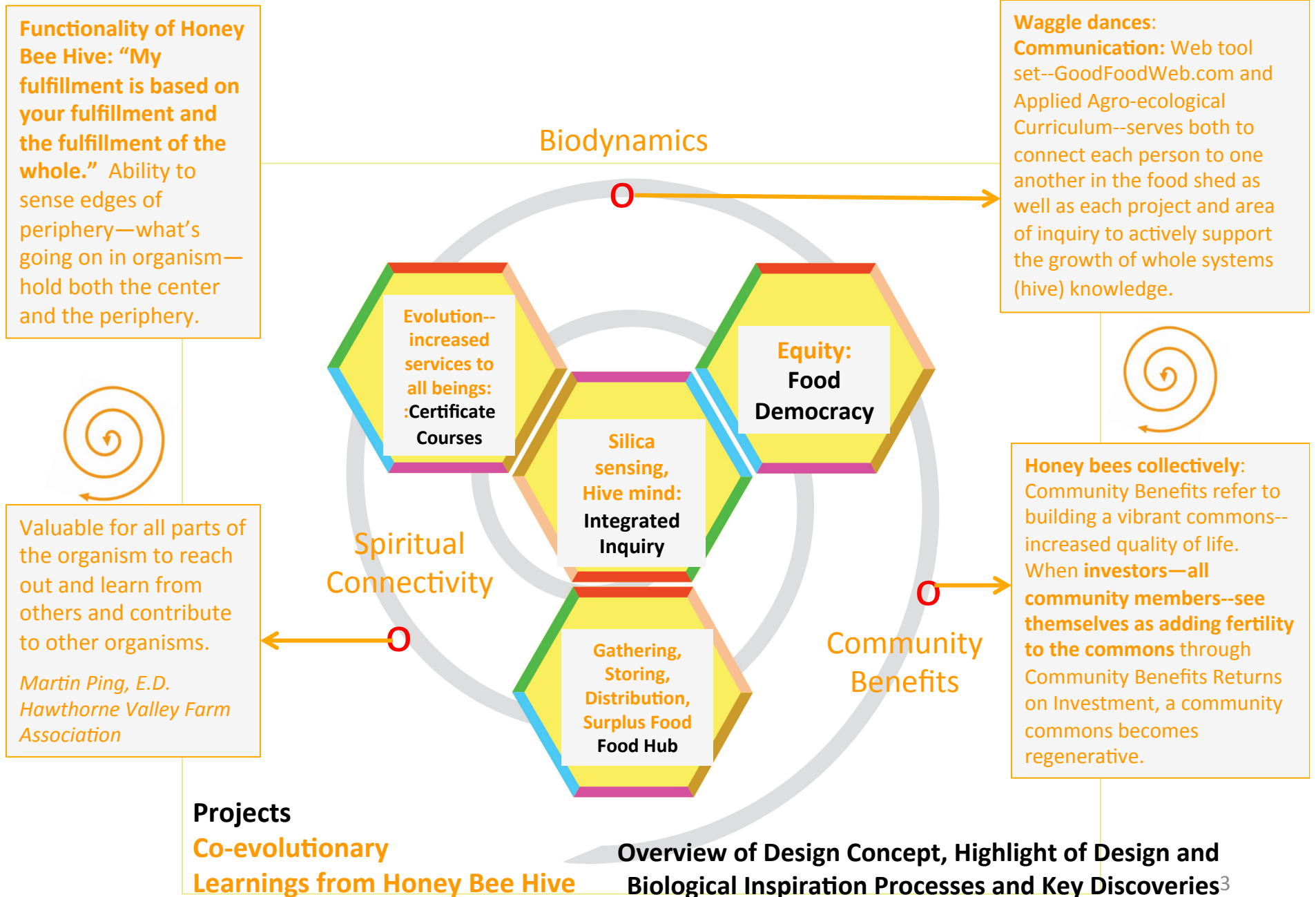
Six integrated perspectives that serve as the lens through which to qualify sustainable community projects

Food Shed Honey Comb Cell
Local Food Shed Resilience Transfer:
**Functional Biomimicry:
Quorum Sensing when Swarming**

Paul Durrenberger: **Role of Culture**

Inquiry: What are the qualities of culture that result in integrated, whole systems community health and well-being?

Local Food Shed Resilience Overview



What Fairfield, IA learned from our submission to the Biomimicry Institute's Global Design Challenge in Food Systems in 2015? These learnings are incorporated into our current LFSRP Proof of Concept and Transfer Investment Opportunity.

- 1) The six perspectives necessary to confirm that a program would be sustainable
- 2) Any policy-making body needs to include all stakeholder groups
- 3) All community members need to be whole and self-actualized—whatever their gifts or social status—and participate in the production, distribution, preparation, and consumption of local healthy food.
- 4) Each community member has a gift to offer; in a learning community, those gifts are valued and encouraged.
- 5) Three levels of knowledge need to be co-evolved—general, peer-to-peer, professional—throughout diverse roles (farmer, researcher, instructor, entrepreneur, manager, tech support, and investor) so that everybody can celebrate and continue to grow their learnings as they co-evolve together.
- 6) A community must ensure that all of its members have access to and eat healthy food.
- 7) Reduction of intracommunity disparity of income in the community is incorporated in the project design.
- 8) Value and pricing are calculated in regenerative value exchange
- 9) With the focus on growing a learning community and encouraging community members' gifts and value, longer term sustained community capital savings can be realized through the reduction of the tax base for crime related services such as law enforcement personnel, emergency room services, jails, and prisons. Simultaneously, community income will grow by community's growing their common funds by taxing an increased percentage of working community members.
- 10) Negative, often externalized costs (Emergency Room costs, criminal justice costs such as scale of police force, jails, prisons) are reduced as violent and craving behaviors are reduced as each community member eats good food. These Community Benefit Returns on Investment are savings realized that finance sustained increases in community's common funds and a community's quality of life.

Healing Living Systems, Inc.

Local Food Shed Resilience (LFSR) Program

Proof of Concept & Transfer Investment Opportunity

Curriculum Arc with Feedback:

Generation of a flow chart of co-evolutionary paths. We invite requests for support that communities might need through drop-down menus with assistance strategies that can sustain the momentum of community inquiry. Communities **enter** a “pupa” state of intra action via self inquiry, and **evolve into** an “emergent” state of interaction with other communities. Feedback is elicited by responses a community provides as they investigate their long-term local food, farming, and financial sustainability. Each community will benefit from their inquiry, whatever path

“My fulfillment is based on your fulfillment and the fulfillment of the whole:” In Learning Communities, members cultivate the ability to sense the edges of deeper understanding—what’s going on in a relationship, an organism—as participants explore both what is known and new ideas for the future.

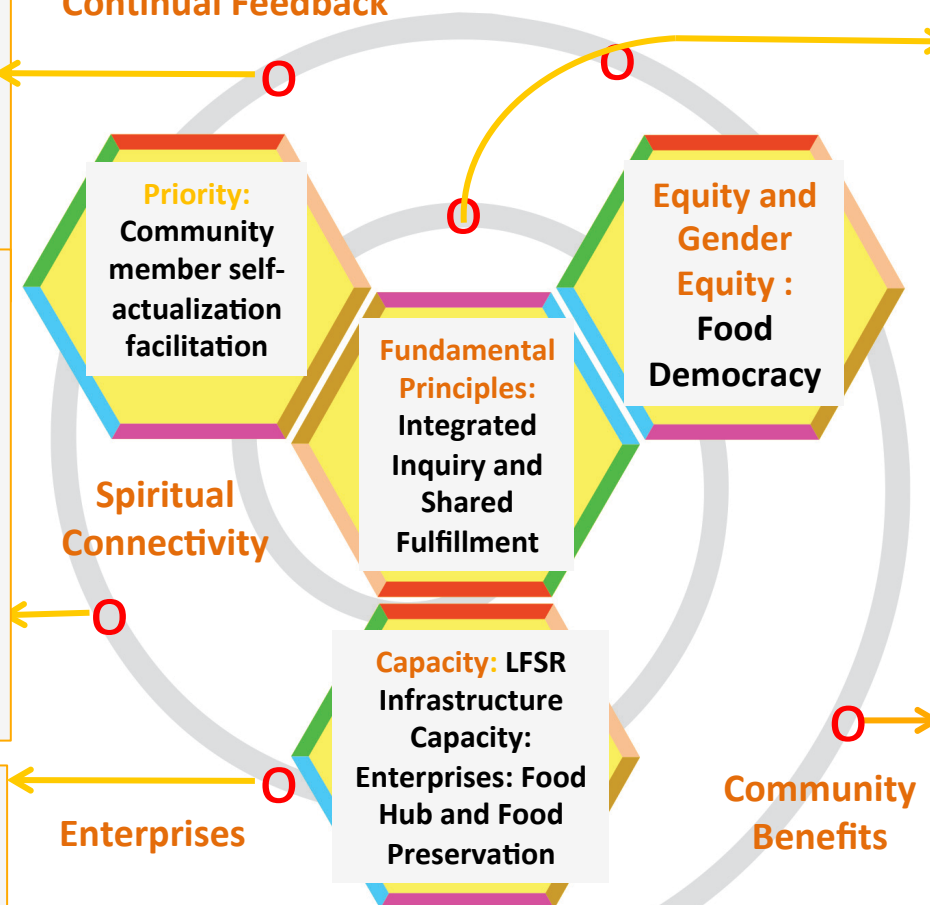
It is valuable for all parts of the organism to reach out and learn from others while contributing to other organisms.

Martin Ping, E.D. Hawthorne Valley Farm Association

Food Hub: Enterprise to aggregate and track all food produced and distributed; will serve as the regenerative trade vehicle for the food shed, and will work in collaboration with **Food Preservation:** Enterprise to ensure that there is no wasted food. **Maximum Yield from Ag Land:** Bioremediation of Ag land; no wasted land through certificate courses and community land trust alliances.

Curriculum Arc with Continual Feedback

Communication



Who: Policy Making: Representative Stakeholders in Decision Making Body:

Food Shed, City, County, Regional, School System, NGO, Enterprise, Diverse Assn., Neighborhood, and more. Design discretion of the Community Policy Making Body that ensures the outcome that all community voices participate and equity is achieved through investments and democratic food distribution practices.

How: Community Communication Tool Suite: Web tool set (under negotiation—community maps its local knowledge: Goodfoodweb.com; MESA’s **Applied Agro-Ecological Curriculum**; source tracking by eHarvestHub.com); **Lookin.to**—visual storytelling and **Pasture Map**—good land management, animal husbandry and carbon sequestration app. This Tool Suite serves both to connect community members to one another in the food shed and each project and area of inquiry to actively support the growth of whole systems knowledge, reach, capacity, and vitality.

Investing in the Commons: Community Benefits refer to building a vibrant commons and an increased quality of life. When **investors—all community members**—see themselves as adding fertility to the commons through Community Benefit Returns on Investment, (ROI), a resilient community commons becomes regenerative.

Collaborative co-evolutionary capacity and design biomimics a honey bee hive cell and swarming; the development biomimics the pupa and emergent phases of the butterfly



Healing Living Systems



Our sun, mother earth's elder by 4.6 billion years, has been and will continue to help us grow alive.

What if each member of the human family had agency and could become self-actualized—as is an eagle? S/he has a family, a function, and can initiate and choose freely the ways in which her/his gifts are offered to interdependent community organism.

Our tilth, our fertile soil, is a pyramid that is formed from rock, slowly, slowly, in a sacred way. Imagine that the precious gift of water cascades down into the soil.

Our sun draws the corn from the soil into our Food Shed--a sacred place growing up from Mother Earth—and invites us to eat of this bounty as we are tasked with the responsibility to respect these living systems for generations to come.

Art by Ernesto Olmos, Zapotec Artist and Plant Medicine Gardener

Who are engaged or interested in the Local Food Shed Resilience Program in the Development Phase in Process through LFSRP Proof of Concept and Investment Opportunity?

Fairfield, IA, is the community taking on the Proof of Concept and invites Capay Valley and neighboring communities to join them in co-evolving the Proof of Concept and Transfer of the Local Food Shed Resilience Program.

The Community Communications Tool Suite is a coalition of web-based tools that enable the Local Food Shed Resilience Program. Who's involved in the CCTS? Healing Living Systems has stepped forward to host the Local Food Shed Resilience Program Web site and Facilitate the CCTS.

See Appendix for Roster. Please add members not listed in your feedback to Theo@HealingLivingSystems.org.

Thank you!

Who are engaged or interested in the Local Food Shed Resilience Program at this time?

Six Team Members serving as the multidisciplinary lens through which Sustainable Projects can be ensured in Fairfield's Submission "Local Food Shed Resilience Program in the 2015 Biomimicry Institute's Global Design Challenge in Food Systems:

[Stuart Valentine](#)

[<valentinestuart305@gmail.com>](mailto:valentinestuart305@gmail.com)

[Appachanda Thimmaiah](#)

[<drathimmaiah@gmail.com>](mailto:drathimmaiah@gmail.com)

[Paul Durrenberger](#)

[<epd2@psu.edu>](mailto:epd2@psu.edu)

Martin Ping

[<martin@hawthornevalleyfarm.org>](mailto:martin@hawthornevalleyfarm.org)

Theo Ferguson

theo@healinglivingsystems.org

Fred Rosenberg

fred@osagecomputing.com

For all the other WONDERFUL members of the Fairfield Community, please go to the Appendix—Page 44 and 45

• Local Food Shed Program Proof of Concept and Transfer:

Invitation to Capay Valley Leaders to Co-evolve LFSR:

- Thomas Nelson
- Paul Muller
- Kristy Levings
- Paul Cultrera
- Jim Durst
- Louis Brouillet and Merrilee Olson

Emails noted in email distribution

• Community Communications Tool Suite Leadership :

- Theo Ferguson, GoodFoodWeb.com, and Facilitator
- Natalia Pinzon, Program Manager, Applied Agro-Ecological Curriculum
- Leah Atwood, Co-Director of MESA
- Alvaro Ramirez, Co-founder of e-Harvest HUB
- Jose Sanchez, Co-founder of e-Harvest HUB

Possibly:

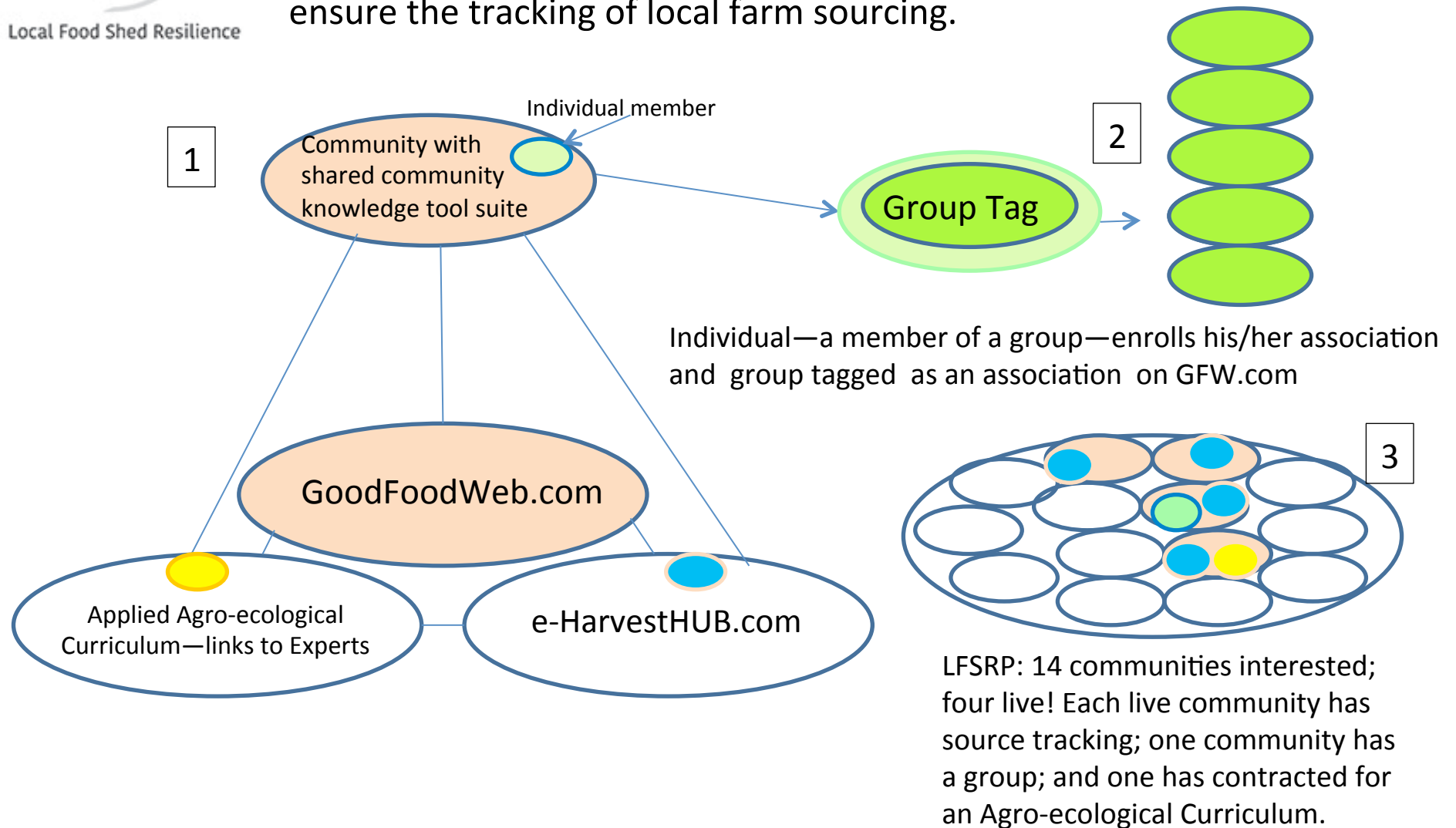
- Pablo Munoz, Lookin.to
- George Lee, Pasturemap.com

• Community Communications Tool Suite Support breakout:

- Healing Living Systems, Inc. (to date)
 - Theo Ferguson, Chief Executive Officer
 - Loren Valliant, Chief Financial Officer
 - Jasper Kuo, Chief Technical Officer
 - Tom Roli, Goodfoodweb.com, designer, Redesign Manager; Quality Control Oversight
- Gerardo Marin, Self-Actualization/ Food Democracy Curriculum Developer, Program Manager






What do we need to know from each other to propose a Community Communications Tool Suite to share community knowledge, grow sustainable expertise and practices via open certificate courses, and ensure the tracking of local farm sourcing.



Community Communications Tool Suite: Web applications that enable each community to perform due diligence in their intra-dependent “Pupa Phase” and in their inter-dependent “Emergent Phase” of the Local Food Shed Resilience Program (LFSRP) Proof of Concept and Transfer Investment Opportunity Status Report

Name of App	Function of App	Status as of May 2016	Needed to go forward
Goodfoodweb.com	Community friendly, easily searched local knowledge base on food, farming and finance community members’ expertise and capacity	Two years of development invested. Off-line.	Needs to be repurposed to LFSR Program and fair intellectual property agreement
Certificate Program in Agro-ecology and Next Level Program	On farm and host training and Advanced Management Certificate of Global Agroecology and Local Food Systems	Negotiating relationship to also serve Local Food Shed Resilience Program Communities	Negotiating mutual benefits for community clients at general; peer-to-peer, and professional levels; fair intellectual property agreement
E-Harvest Hub	Traceability Platform is a plug-and-play solution with user friendly interface—easy for employees to learn; saves \$; compliance with Produce Traceability Initiative (PTI) standards.	Negotiating relationship to also serve Local Food Shed Resilience Program Communities	Negotiating fair intellectual property agreement
Lookin.to	Visual storytelling-- all food & farming. Education, Easy Access, Marketing, Transparency ,Joy!	Launched at New Hope Expo in Anaheim, CA 2016	Possible tool if selected by LFSRP Proof of Concept and Transfer Communities
Pasturemap.com	Accurate grazing records for your daily decisions. Keeping track of stock and forage performance and alter grazing patterns by changing rotations by season. Basic planning tools critical to profitability. Put Pasturemap in the hands of USDA field agents as grant reporting tool, as well as audit tool for certification agents	Actively growing in the market place. Potentially a critical tool for carbon sequestration towards creating climate stability.	Possible tool if selected by LFSRP Proof of Concept and Transfer Communities

Community Communications Tool Suite	GoodFoodWeb.com	Graduate & Adult Certificate courses and outreach to experts	E-Harvest HUB	Partners under cultivation
Allies and Collaborations	<ul style="list-style-type: none"> *Local Food Shed Resilience Program • (CCTS) Community Communication Tool Suite Associates 	<ul style="list-style-type: none"> *MESA—Agro-Ecological Curriculum with: USDA Reg. Partnership; Terra Global Capital *MUM---with Sustainability Living Center <p>And both partners are affiliated with:</p> <ul style="list-style-type: none"> *Demeter Biodynamic *IFOAM 	Launches free produce traceability solution; comply w/ PTI	<div>Lookin.to</div> <div>Pasturemap.com</div>
Projects under design	Local place-based, front-end facing tool—shared community knowledge & capacity	Open source, interactive--feedback vehicle available at three group levels: general; peer-to-peer; professional	easy to use by all growers	<div>Visual storytelling--all food & farming. Education, Easy Access, Marketing, Transparency ,Joy!</div> <div>Accurate grazing records for your daily decisions. Keeping track of stock and forage performance and alter grazing patterns by changing rotations by season. Basic planning tools critical to profitability. Put Pasturemap in the hands of USDA field agents as grant reporting tool, as well as audit tool for certification agents.</div>
Food Hub Phase 1 	2015: Cool Shed; refrigeration truck: <ul style="list-style-type: none"> • Purchase of local food by local stores • Begin negotiations with farmers and institutional buyers: schools, hospitals, farmers' markets plus CSA drop offs: • Aggregate institutional orders <ul style="list-style-type: none"> * Break out orders/farmer percentages * Payment tracking/Community Benefit Return on Investment • Delivery / Drop contracts 	<ul style="list-style-type: none"> *Curriculum capacity and modality: <ul style="list-style-type: none"> o modularized curriculum o comprehensive linking o project based learning o in partnership with Terra Global Capital--metrics, and water quality • general: farmers and food entrepreneurs • Upgraded iteratively based on active feedback 	Traceability Platform is a plug-and-play solution with user friendly interface—easy for employees to learn; saves \$	
Phase 2	2016: *On-line ordering--individual, retail, wholesale--student jobs--students & interns--Implement Time Banking <ul style="list-style-type: none"> * Processing enterprise assessment * Community Kitchen in Civic Center 	<ul style="list-style-type: none"> * Processing certificate courses—based on no land and food waste: canning; stocks, baking; pickling, dehydrating, freezing * Curriculum capacity and modality upgraded to peer to peer: farmers and food entrepreneurs 		
Phase 3	2017: Effective crop capture: Packaged goods <ul style="list-style-type: none"> * Dehydration and processing services * Freezing services 	<ul style="list-style-type: none"> * Curriculum capacity and modality upgraded to professional: farmers and food entrepreneurs 		
Food Democracy 	2016: Connections of groups: <ul style="list-style-type: none"> *Seasonal food recipe design; learning communities; Nutritional balancing *Time Banking—food services for food 	2016: General nutrition and health: intro: why shouldn't I eat McBurgers when 2 of them cost as much as one vine-ripened tomato?	Key resource for mid-small growers to comply with Produce Traceability Initiative (PTI) standards.	More physiological, social, and ecosystem health.
Community Land Trust Capacity Growth 	2015: Certificate course fulfillment tracking: <ul style="list-style-type: none"> *Practicum hours—How spent? Successes? *Trial analyses: soil needing remediation: <ul style="list-style-type: none"> * initial condition; *analysis and action; * final condition & what was achieved 	2016: Bioremediation and watershed restoration professional level Agroecological applications—particularly since the design of the curriculum is based on challenges: “Heal THIS land with these challenges”; design/create productive farm		Increase food security—better, more productive land under management. 11

Curricula on which we are building Local Food Shed Resilience Curriculum Arc 3/17/16

#	Name/Content	Enterprise	Relationship	Status/Audience	Outstanding work to do
1	Spiritual Greening: public school curriculum	Nation of Bhutan	Developer is a member of the Fairfield Design Team	Dr. Thimm? School and general	Offered from Stuart Valentine/ Dr. Thimmaiah, MUM
2	Permaculture curriculum for incarcerated men	Insight Gardening	Curriculum received	Discussion with Beth Waitkus, ED; input into self-actualization facilitation	Further discussion with Beth Waitkus, ED
3	Self-Actualizing Curriculum and Facilitator/Trainer Network Development	Healing Living Systems, Inc.	Owner	Under development; project manager on staff; framework for facilitation of self-actualizing curriculum exercises , Facilitation and training	Integral to LFSR web design for community entry development
4	Owning My Money Transforming My World:	Vital Systems, Inc.	Owned by Healing Living Systems, Inc..	Materials available for adaptation	Materials Examination Required
5	Slow Money National Master Class Research and Presentation on Community Benefit Returns on Investment	Vital Systems, Inc.	Owned by Healing Living Systems, Inc.	Easy Access to materials to facilitate regenerative community economies	Frame Arc of Curriculum and integrate

How does LFSRP Transfer Work?



Creating food sheds as living landscapes with vibrant biodiverse populations

How can a community become a local Food Shed resilient community? Some aspects of the proposed fundamental principles attract a community. Decision-making representatives decide to collaborate in checking out the Local Food Shed Resilience website. There are two phases that a community undertakes to develop an “Emergent” Local Food Shed Resilience Program—the “Pupa Stage” (intracommunity Phase) in which a community gathers information their local place and capacity and the “Emergent Phase” (Intercommunity Phase) in which communities are in communication with each other.

The Pupa (Cocoon) Intracommunity Phase on-line portal:

Initial responses required to proceed:

Would your community like to achieve food shed resilience? Sign up and see what’s involved and how we can support you. Your community will have:

- 1) A discrete entry number have password protection
- 2) On-Line sign up for communities to “accept” inquiring into the Local Food Shed Resilience Program (Pupa Stage) Intrarelation within community members:
 - a) Proceed
 - b) Not at this time
- 3) When underway and background discussions ensue:
 - a) Bookmark for future return
 - b) Time to go live (Emergent Phase) to interrelate with other Emergent Communities
- 4) You can step in and out of the site anytime you need to address issues off-line such as:
 - a) We don’t have any computer science courses in high school or other classes, thus we cannot enter our local food, farming and finance knowledge on the GoodFoodWeb.com. Check your drop down menus for opportunities for assistance in the form of facilitation, training, and certificated course opportunities.
 - b) “We have not found support on our site for an issue critical to our community.” LFSRP would be honored if a necessary issue were unsupported by LFS R Program. Please share that unsupported inquiry and your findings with us so we can include your findings going forward. We reference your good work in our first Proof of Concept Community Roll Out: in Fairfield, IA.

The Pupa (Cocoon) Phase on-line portal continued—

We invite you to grow your food and farming infrastructure—to grow ways to aggregate and preserve your harvests so there is no wasted land and food AND to grow whole, self-actualized community members,. But these BIG STEPS! First: communities need to know **What is this PLACE I call home?**

- Do you know your annual weather patterns?
- Do you have maps of the agronomy of your soils?
- Have you profiled yourselves? What are your demographics—here are a few: Stable or growing population? Age distribution? Ethnic profile; population, job holders and income/household; percentage of internet library users (compared to state average); educational profile; high broadband accessibility; average overall and per capital tax base for crime related services (law enforcement personnel, emergency room services, jails, prisons); % of population working, needing some support; % of population with access to healthy food; what is the percentage of those who buy good food?, of those who could buy good food, who bought how much? The percentage of community members who cannot buy good food under any circumstance?
- Do you know the cultures within your community?
- Do these cultures lift up young people?

Digging Deep Support: Community issues link to drop down menus offering:

- Certificate Courses
 - How to heal my soil and watershed; farming best practices
 - Agro-ecological Curriculum—MESA and MUM
- Self-actualization Food Democracy Curriculum: creative facilitation, diverse team building and training for challenging, sensitive community issues related to marginalized community members, democracy and equity—see pg.35.

Community Member Self-Actualization: Framing our challenges and valuing gifts and contributions together

Community prospective resolutions that address local challenges with facilitation, training, and certificate courses accessed through drop down menus:	How to Facilitate Community Challenges : Bringing understanding, healing, and “what would you do” opportunities to marginalized community members
Emotional and Psychological Relationship to Food	<ul style="list-style-type: none"> • Societal oppression about body image • How my ancestral body type processes food. • People suffering the inequities of capitalism consume only industrial food products which exacerbates addictive and violent behavior
Initiatives that build a racial equity framework that encourage engagement in marginalized community members.	<ul style="list-style-type: none"> • Use materials prompted by films by World Trust Institute, Cracking the Codes, and other for her/history dialogues • Sharing best practices from racial healer perspectives of multi-cultural movement building and collaborations in National Youth Food Justice Networks—Rooted in Community & Environmental Justice communities
Program to peel back gender and racial blind spots to build awareness and grows trust	<ul style="list-style-type: none"> • Support people in tending to the circumstances of implicit bias and create a culture of communication that is restorative and unifying. • Understand the wounding from current paradigms—Patriarchy and Capitalism. Listen to and embrace women-led systemic solutions. • Share tools and exercises from www.cuav.org that creates safe spaces for deconstructing gender and sexual orientation dynamics in ways that build compassion and solidarity useful within diverse populations
Generate accountability practices that inspire integrity and humility in people.	Draw on best practices for creating equitable sharing of work and responsibility that continuously evolves. Include: Time banking. Required are: quarterly evaluations; and check in processes to ensure that members have the support that they need and skills to perform their duties.
Ensure everyone is involved in the food chain production, distribution, and preparation of local food eat the good, local food and own the enterprises	Regenerate the role of the farmer in our society. Create a system where community members can rotate throughout the production and administrative aspects of the food related job to build resilience in the skills sets and appreciation for the range of tasks involved in production, distribution, or preparation in local food, farming, and finance. If a farmer just wants to tend the land, allow the opportunity to consider how her body may wear out more quickly than someone who is doing marketing. Create a process to honor those who may be doing more physical labor to be supported more.
Build multi-sector teams to invite collaboration and meet where marginalized groups gather—schools, religious centers.	Create opportunities that prepare community members to humbly reach to community schools and places of gathering to offer to engage by volunteering, presenting, sharing food, etc. Instead of just inviting people to their table, share what’s in the works and if they have time or energy to offer some reflections on how it may resonate or relate to what they are up to in the world.? Might they be interested and at what level? What support would they need to come to a meeting eventually—childcare, scheduling around work, transportation? Work to make connection with a few folks, who could serve as bridge builders.
Qualify and hire local team members to produce marketing and outreach materials for the diverse culture the program seek to reach.	Standard research of market interests undertaken by a diverse range of folks in the farming community, community college students; high-schools; partner with school teachers to get student credit. Study successful marketing that invites a wide audience and target audiences when appropriate. Think of the growing migrant communities and their aesthetics. Hire them to do the research and design. Use conscious popular culture such as today’s music and symbolism. Partner with organizations and people with “Street Credit”. Evaluate it. Evolve it. Create contests where all people can win. Challenge corporate myths. Lift up people-led solutions.

Food Democracy Example Exercise: Draft 4_thf_041216

Food Democracy is a principle used by a grassroots community dedicated to building a sustainable food system that protects our natural environment, sustains farmers and food chain workers, and nourishes families.

	Entity	Functions	Community Communications Tool Suite				
			Form Development and WordPress website design	Tracking	Posting	Facilitation/ Training	Certificate Courses
1	Stakeholders in Decision Making Bodies: City, County, Regional, School Systems, NGOs, teachers, students, parents, researchers	<ul style="list-style-type: none"> Surveying local communities Set up incentive programs Determine discounts for food and seasonal changes for community members in Time Banking Program; inform Exec Committee to make whole community food centers vis a vis discounts for food Creation of a co-production food preservation facility (owned by entrepreneurs or community?) Consider Community Custodial Trust Bank that has the capacity to hold retirement and trust/legacy funds Ensure meaningful engagement from marginalized food chain workers—i.e. farm, restaurant, and packing workers--and include paths for positions of co-leadership. 	<ul style="list-style-type: none"> Recruiting local talent Survey designers Survey implementers Recruitment of qualified time banking community members (members with minimum access to healthy food; possible emphasis on 14-17 year olds in crowded households with few wage earners) Qualifications of distribution centers (farmers' markets, natural food coop grocery stores) Qualifications of employers for those using Time Banking for food production, distribution, preparation, data input Time Banking approved practices Pay rate (\$15/hr value) 	<ul style="list-style-type: none"> Developing sign in/out employer approval forms Food source tracking and labeling (e-Harvest HUB) Point of Sale Receipts include: time banked hours spent, actual value of goods; draw on community funds for difference between discount and real cost to enterprise 	<ul style="list-style-type: none"> Hours posted to member's time banking account Point of sale receipt of food purchased with time banked service hours 	Healing Living Systems	Applied Agro Ecological Curriculum
2	Exec Committee (Food Policy Council?)	<ul style="list-style-type: none"> Marketing based on systems slide deck Fund design and creation Fundraising How to make distribution centers whole? (e.g. Farmers' Market Vendors, Natural Food Coop Enterprises, etc.) How will funds be raised from community? Who puts in funds on what basis? No interest loans? Role of local Credit Unions? Research of nutrition requirements from food grown and preserved. Necessary K-High School Nutrition and Edible School Yard curriculum Phase I and Phase 2 levels of need for Time Banking candidates 	<p>Pupa Stage: Password Protected Site</p> <p>Components related to decisions in progress:</p> <ol style="list-style-type: none"> 1) Separate, password protected forums for Decision Makers (idea experimentation) 2) Incentive program design considerations (group formation etc.?) (sand box) 3) Fund design criteria (all stakeholders have access) 4) Fund growth considerations <p>Other Access open to all community members until Emergent Stage, at which time community members need to have decided the level of community transparent, their community has now become a "resource" community.</p>	<ul style="list-style-type: none"> Ensure rigorous community data input capacity (drop-down menus to request assistance from LFSRP) Invitation to community professional associates in bookkeeping, fund management, IT; land association and land trust representatives; entrepreneurs 	<ul style="list-style-type: none"> Valuation of training vis a vie necessary tracking tasks "Area" (regional) training vs "in situ" training (cost, effectiveness factors) 	Offers, feedback and updates	<p>Regular updates both as:</p> <ul style="list-style-type: none"> Under your label, our label, shared label

#	Entity	Functions	Community Communications Tool Suite				
			Form Development and Word Press website design	Tracking	Posting	Facilitation/ Training	Certificate Courses
3	Food HUB aggregates % of food for Food Democracy Program	<ul style="list-style-type: none"> Calculates demand/supply available to people qualified for earning food through time-banking hours % designated for preservation (canned, fermented, dried, frozen, prepackaged meals) Ramp up Phase 1, Phase 2, etc. based on Time Banking members' needs and supply available? Break out: Who buys local food? Who could buy local food? Who could NOT afford local food? How does to formula of local food accessibility to whom increase with 1) more land in cultivation; 2) more food accounted for; 3) institutional clients factored in (brings in more money—when can community afford to cultivate food for institutional clients? Prep (cleaned, cubbed, bagged) because of the union food service personnel in hospitals and colleges. 	<ul style="list-style-type: none"> What is available fresh, canned, dried, fermented, frozen & in what season? Expand sources of food by drawing on broader cultural culinary practices Expand sources of food by bio-remediating mono-cropped land Ensure farmers and distributors get equitable pay for all food, including food for time banking folks in the Food Democracy Program from the community fund that makes enterprises “whole” from the discounts to Time Banking community members. Foods are labeled so discounted food and regular community member food choices are available at designated distribution centers 	<p>How much of what food and how often do distribution enterprises get food from HUB in what form?</p> <p>How much food in what forms will be available to each community member including Time Banking members with their discounts in Year 1, Year 2, Year 3? This includes when more land is under cultivation; when Food Hub aggregates more food, and when food education increases range of foods available and how to prepare them.</p>			
4	Distribution Locals	Vendors qualified and willing to carry % of food in various forms for Time Banking members, who are signed up with them as their point of distribution	<ul style="list-style-type: none"> Time Banking community members set up an account with a specific distribution outlet to redeem their hours in food Link to community fund to “make whole” distribution centers on a just in time basis (point-of-sale process) 	<ul style="list-style-type: none"> Automatic discount shows up in account of Time Banking member 	Types of food available, and price information will be available to time banking member on app		
5	Farm, Food Vendors	<ul style="list-style-type: none"> Sales to Food HUB Employers of Time Banking members 	<ul style="list-style-type: none"> Entrepreneurs create jobs and access to supervisor to approve hours worked by time banking members Access to additional earned income by HUB working with food preserver 	<ul style="list-style-type: none"> Open to growing nutrition rich crops in a future season What preserved food is available 			
6	Program Participants	Invited to apply to be a time banking participant (what criteria; what time of year?)	Initiative encouraged: Able to work in their own trading groups				

Index of Priorities that collaborators can undertake that are VERY valuable to Local Food Shed Resilience Program at this time include:

- 1) Would Capay Valley and Woodland together consider co-evolving the Local Food Shed Resilience Program? What combination of community members would sum to about 10,000 members to collaborate with Capay Valley community? This could be done in two phases.
- 2) Recommendations for Program Leads
- 3) SE Iowa Food HUB builds on their 2015 experience with 2016 Quarter One findings to date.
- 4) Dr. Thimm of MUM and Leah Atwood and Natalia Pinzon of MESA's Applied Agro-Ecological Curriculum need to coordinate. Who provides which Certificate Course or is this a collaboration? Further there are three levels of each of the course sets: general, peer-to-peer, and professional. These Certificate Courses can be interleaved and presented as one package if the parties so choose.
- 5) Attached are two interactive tables--prospective co-evolution of both the Proof of Concept and Transfer and what web tools are useful to you "exercises". It would move our conversation forward if both the Fairfield Community and the Capay Valley Community **fill out these exercise sheets**. What we request each community to share is 1) what are the processes in place or under consideration for evaluating our community knowledge and leadership team candidates. 2) what the core tools of the Community Communication Tool Suite are useful to you as they assist you in areas of evolution fundamental to both the intra-community community phase—the Pupa Phase—and the inter-community work—the Emergent Phase of creating sustainable communities.

<p>Where are we?</p> 	Fairfield, IA, Pilot Project for Proof of Concept	Processes in place or under consideration for evaluating our community knowledge and leadership team candidates.		Capay Valley, CA Pilot Project for Proof of Transfer
<p>Please fill out (1-10) your local community awareness related to these issues. Please add other fundamental community distinctions that “define” your community on the order of those listed below: Place Based, Local Awareness:</p>		Fairfield, IA Community	Capay Valley Community	
<ul style="list-style-type: none"> • Soil 				
<ul style="list-style-type: none"> • Weather 				
<ul style="list-style-type: none"> • Demography 				
<ul style="list-style-type: none"> • Culture 				
<ul style="list-style-type: none"> • How we lift up young people 				
<ul style="list-style-type: none"> • Other—tell us all about this distinction, with many thanks! 				
<p>Systemic Transfer Components: Leadership Team Perspective Representatives with the following Sustainable Perspectives: Who are your leaders—how would you qualify and select them? If you invite the ones you want, and if s/he accepts, enter contact information on this line for your community:</p>				
<ul style="list-style-type: none"> • Champion for Regenerative Value Exchange 				
<ul style="list-style-type: none"> • Champion for the Role of Culture 				
<ul style="list-style-type: none"> • Champion for Presence Awareness—growing Learning Communities 				
<ul style="list-style-type: none"> • Champion for Bio –Resilience 				
<ul style="list-style-type: none"> • Designer/ Facilitator: Food Shed Infrastructure Resilience Sustainability 				
<ul style="list-style-type: none"> • Champion for Food Democracy 				

<p>Where are we?</p> 	Fairfield, IA, Pilot Project for Proof of Concept: What we have done or plant to so in this area.	Processes in place or under consideration for evaluating our community knowledge and leadership team candidates.		Capay Valley, CA Pilot Project for Proof of Transfer: What we have done or plant to so in this area.
		Fairfield, IA Community	Capay Valley Community	
Local Food Shed Resilience Programs:				
Financial Regeneration				
<ul style="list-style-type: none"> Food aggravation/ Food Hub 				
<ul style="list-style-type: none"> Food harvest preservation 				
Environmental Resilience				
<ul style="list-style-type: none"> Bio-remediation 				
<ul style="list-style-type: none"> Balance of wildness and comprehensive planting 				
Social Equity				
<ul style="list-style-type: none"> Community member self-actualization 				
<ul style="list-style-type: none"> Water and Food Sovereignty Food Democracy 				
Community Communications Tool Suite:				
Fundamental Tools				
1. GoodFoodWeb.com				
2. MESA: Applied Agro-Ecology Curriculum				
3. e-Harvest HUB				
Possible Fundamental Tools				
4. Lookin.to				
5. Pasture Map				