



2018 WORKSHOP PROCEEDINGS



LOCALIZING CALIFORNIA WATERS



PROCEEDINGS MADE POSSIBLE WITH A GRANT FROM THE WATER FOUNDATION



**“Water is us.
When we are in the river we are building the
subconscious of the next generation.”**

-Sammy Gensaw, Ancestral Guard



The Ancestral Guard Presentation (above) Principles (below)

Reciprocity (trust) | **Restoration** (work) | **Resurgence** (win)

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WHAT IS LCW?

- Facilitates community resiliency through collaboration
- Builds bridges across silos to foster new partnerships
- Connects water solutions to climate adaptation
- Incubates innovative approaches across water, land, natural resource and equity sectors
- Facilitates a shared water vision among grassroots, NGO's and state policy organizations

OUTCOMES OF 2018:

- Over 54 organizations gathered for 3 days of workshops, presentations and panel discussions to identify a shared vision.
- Three values were unanimously agreed on and became the guiding values for developing recommendations for personal, local and state level action plans.
- The group committed to move these efforts forward in 2019 through 2 regional meetings and 1 NGO meeting, supporting and developing new



KEY VALUES & TAKEAWAYS

Key Values Identified: *

- **Healthy watersheds are essential for resilient, healthy and equitable communities and ecosystems.**
- **The health of our ecosystems and communities are dependent upon clean and reliable water.**
- **Adaptation to a changing climate requires watershed based education, and immediate action.**

* Additional values were identified and are documented in the full proceedings

Key Initiatives:

- Economic Incentives for Onsite Reuse
- Watershed Based Education
- Regenerative Food Systems
- Coalition Building

Most Important Approaches:

- Policy Change
- Demonstration Projects
- Watershed Based Education
- Clear Messaging

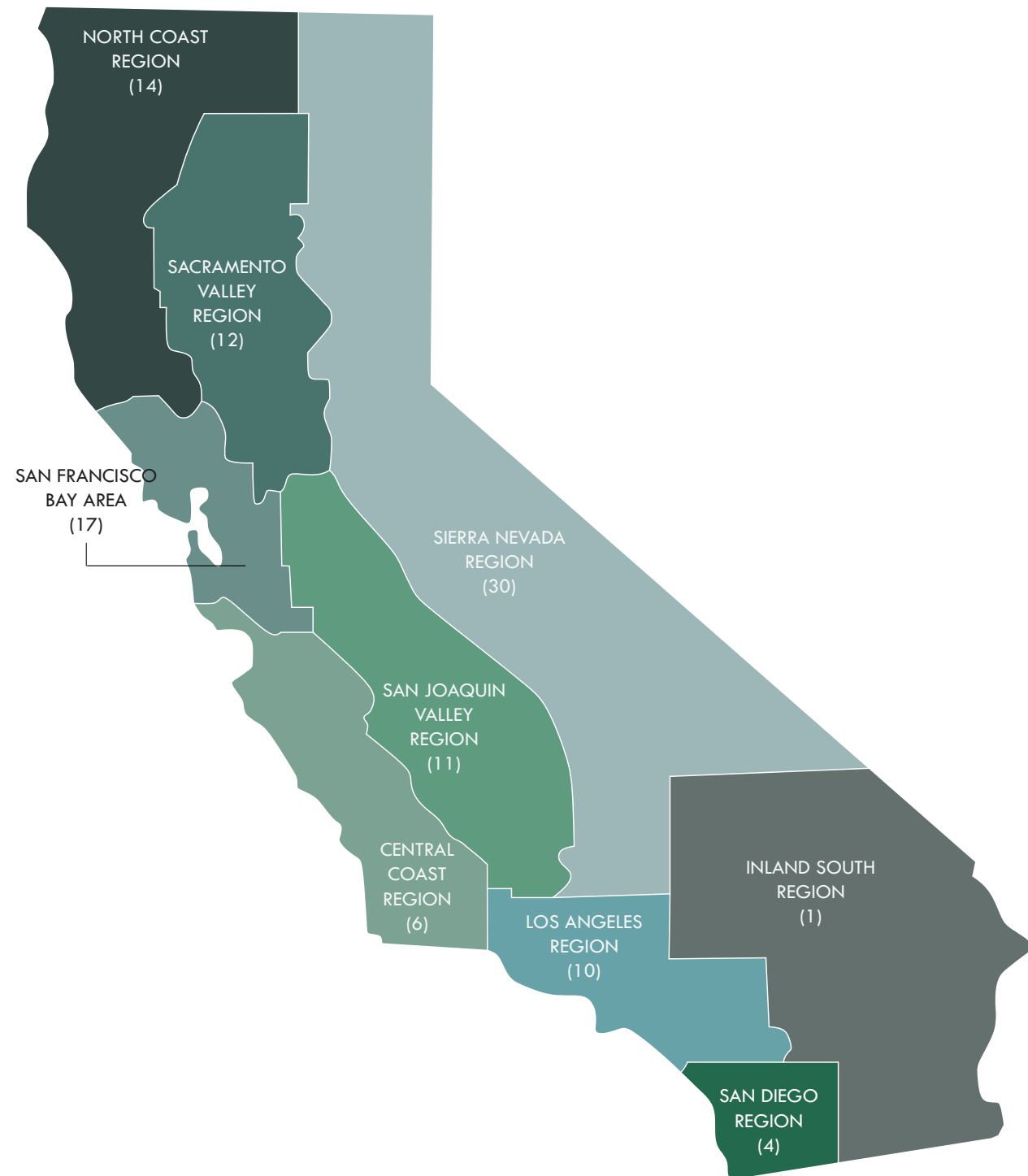
“Wherever you are, you’re in a watershed ecosystem.”

- Round-table Panel LCW

WHO IS LOCALIZING CALIFORNIA WATERS 2018

Over the course of three days, over 54 organizations and 123 participants from throughout the state came together to connect over a broader goal of water management in California. Among the sectors represented were policy-makers, community activists, educators, designers, architects, writers, engineers and students.

In addition to presenters and participants from two other states (Vermont and Oregon), affiliates and organizations from all nine of California's water board regions were present at LCW 2018 (Left).



“Take Heart, take Part, take Action.

- Trathen Heckman

- Alternative Energy Designs Inc
- Americorp
- Assembly Member Monique Limon
- Balanced Rock
- Bay Maples Wild California Gardens
- Blue Forest Conservation
- Brown and Caldwell
- CA Governor's Office of Planning & Research
- CA Senate Committee on Natural Resources & Water
- California Conservation Corps
- California Onsite Water Association
- Community Water Center
- Daily Acts
- Eagle Aerial Solutions
- Foresite Mapping
- Friends of the River
- Friends of the San Joaquin River Gorge
- Goleta Water District
- Greywater Action
- Hyphae Design Lab
- Indra Designs
- Irvine Ranch Water District
- LA County Department of Public Health
- Mariposa Biomass Project
- Mariposa County
- Mono Lake Committee
- National Park Service
- NexGen Septics LLC
- North Fork Mono
- Northstar Engineering
- Occidental Arts & Ecology Center
- Qualified Water Efficiency Landscapes
- Riverstyx
- Oasis Designs
- Recode
- San Bernardino Valley Municipal Water District
- Sacramento County Water Agency
- Sherwood Engineers
- Sonoma County
- Stanislaus National Forest
- Studio Landscape
- The Bay Institute
- The Water Institute
- Traditional Lifeways
- Trout Unlimited
- Tuolumne County Resources Conservation District
- Urban Fabrik
- Urban Greenspace
- Water Commons Alliance
- Water Efficiency Trust
- Water Management Professionals Inc
- Watershed Progressive
- Wholly H2O
- Yosemite Valley National Park
- Yurok Ancestral Guard

LOCALIZING CALIFORNIA WATERS WORKSHOP 2018



PRESENTATIONS:

- Setting the (Water) Table into Action
- Local to Global: Teasing out the Water Climate Connection
- Leveraging our Connections: Case Stories of How We Can Move to Action
- Dynamic Model of Onsite and Centralized Water
- Water Worlds: Bridging the Cross-Disciplinary Divide
- Leveraging our Connections: Case Stories
- Messaging 101: How to Message, Notes from SF Urban Reuse



ROUNDTABLE PANEL DISCUSSIONS:

- Climate Water Interface 1: How are We Aligned?
- Climate Water Interface 2: Stormwater Integrating with Water Efficiency in Watershed Approach
- Climate Water Interface 3: Upper Watershed Management Alignment with End User Water Management

**“Water can move through
the world and leave beauty
in its wake.”**

-Shelton Johnson



WORKSHOPS:

- Getting to Mainstream: How are We Aligned to Work Together?
- Framing the Action: Messaging our Principles
- Framing the Action: Key Breakouts Based on Identified Principles
- Messaging 102: Fine Tuning the Draft
- Getting to Mainstream: The Water Alignment Principles, Draft Presentation and Next Steps
 1. State Policy Framing Action Items
 2. Localized/Regional Framing
 3. What Connects Us through Alignment?
 4. Next Steps?

WHY LOCALIZING CALIFORNIA WATERS

The Climate Water Connection

According to the Global Climate Action Summit, 93% of climate change effects are related to water.

However, the conversation about the consequences of water and possible solutions remain separate from the mainstream conversation about climate change.

Water is integral to our goals of reducing greenhouse gas emissions, and healthy watersheds are essential for healthy landscapes and communities.

“One of the crises we have is a critical shortage of systems thinking.”

- LCW 2018

“The workshop provides a unique intimate setting and innovative agenda that fosters solution oriented conversations across silos, and outside the box insights.”

- LCW participants 2018

What Makes LCW Unique

The Localizing California Waters Workshop brought together a wide range of uncommon allies focused on expanding the potential of water management solutions to address the water climate connection through finding alignment.

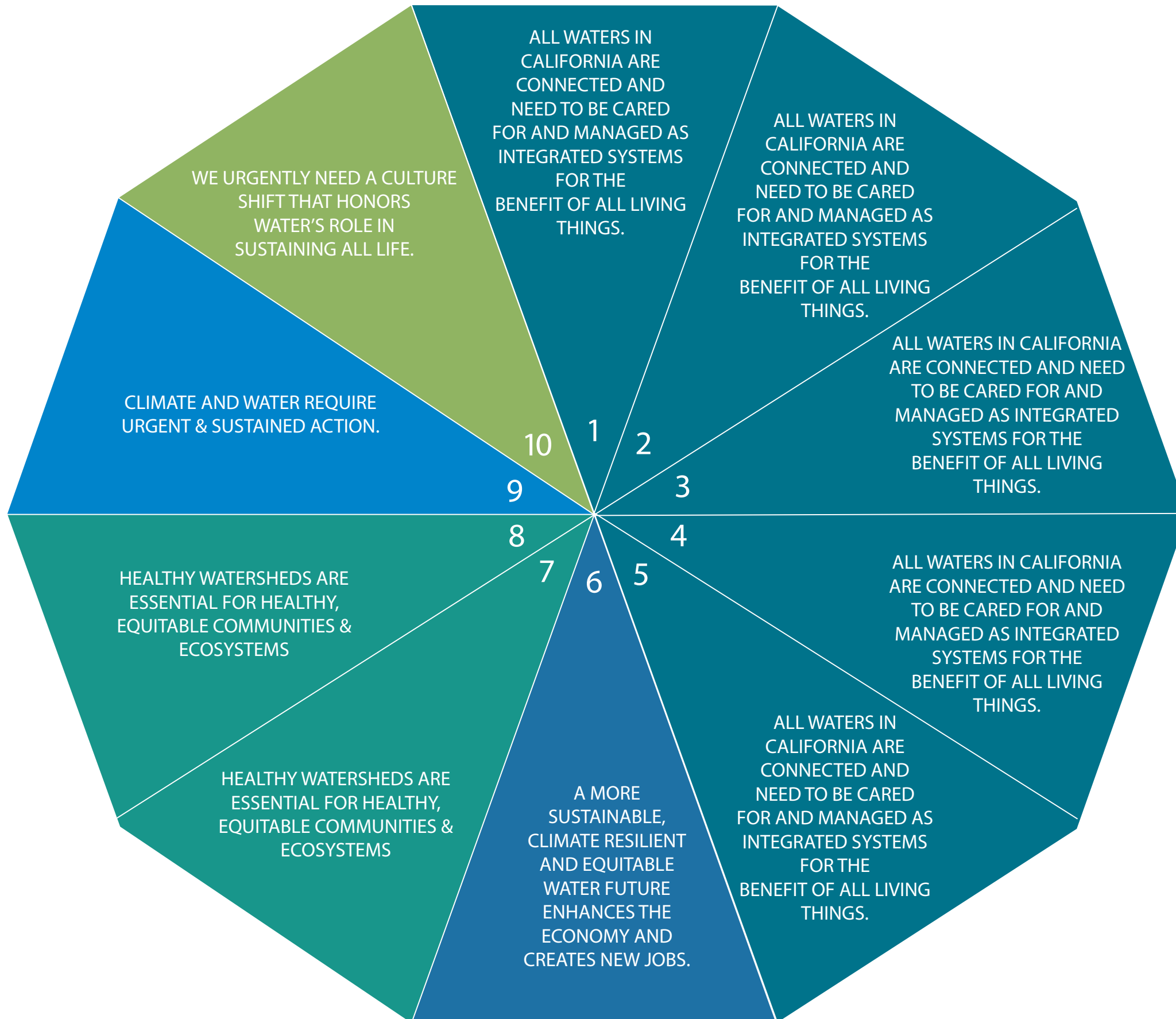
What vulnerabilities do we share across water sectors, and scales? And what do we have in common to leverage?

How are we **connected** and **aligned**?



LCW 2018 Identified Principles

Note: Principles listed below in multiple triangles ranked highest, therefore more than one group worked on steps to achieve those principles.

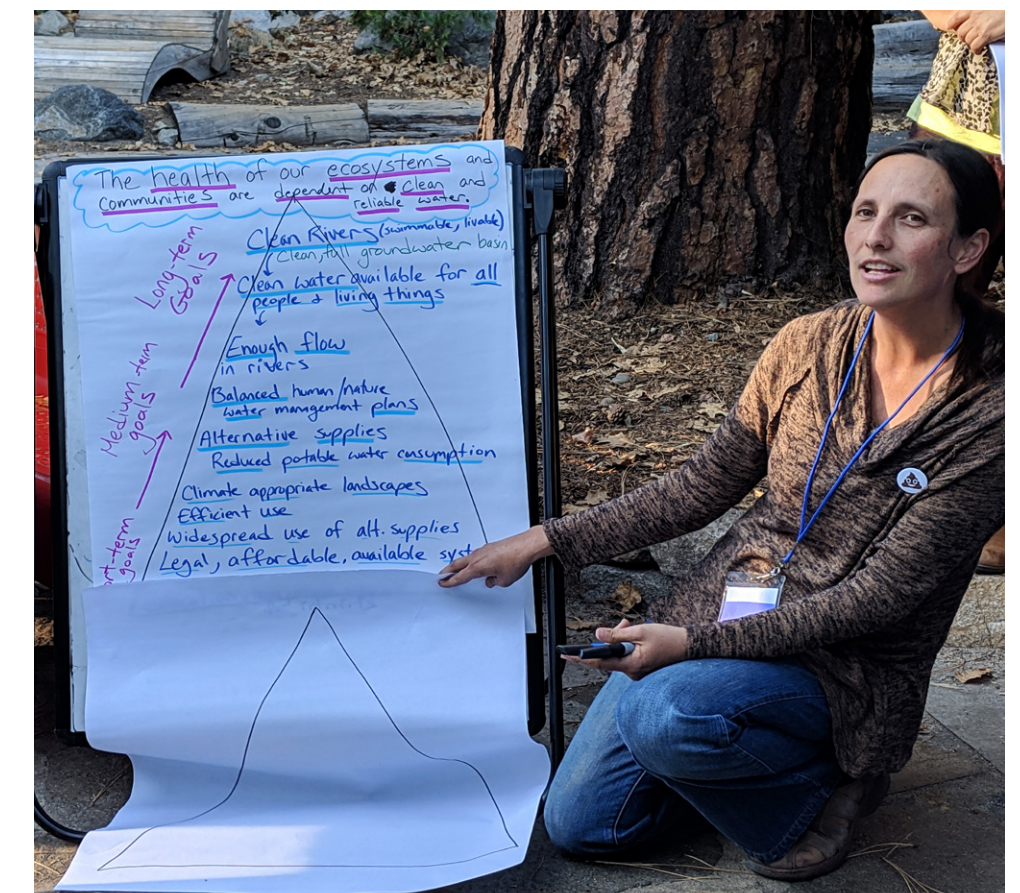


Framing the Action: Key Breakouts Based on Identified Principles

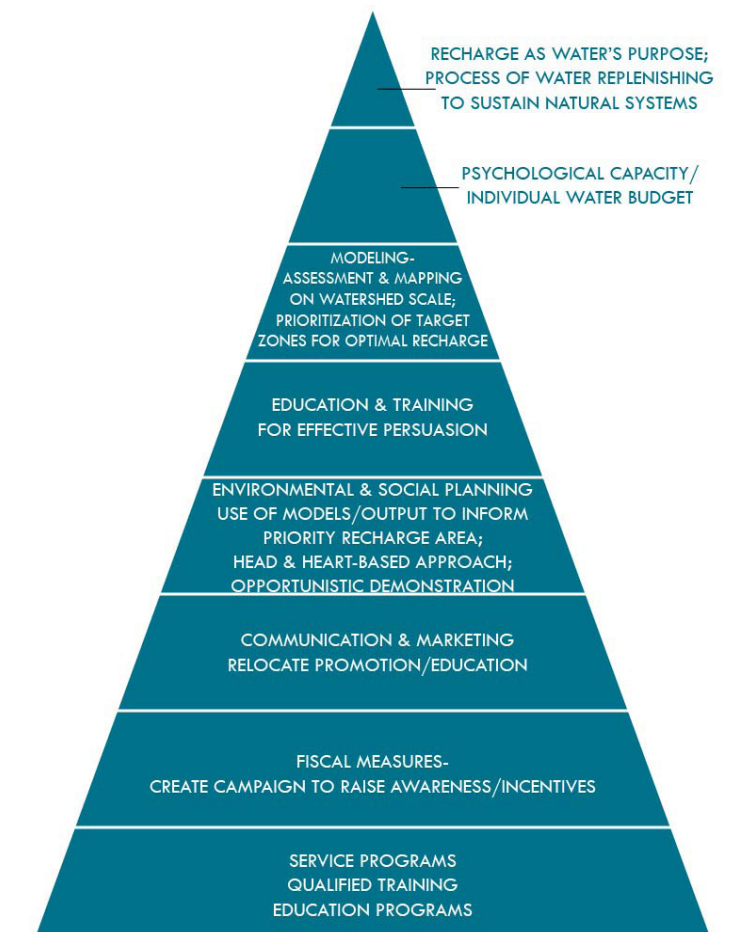
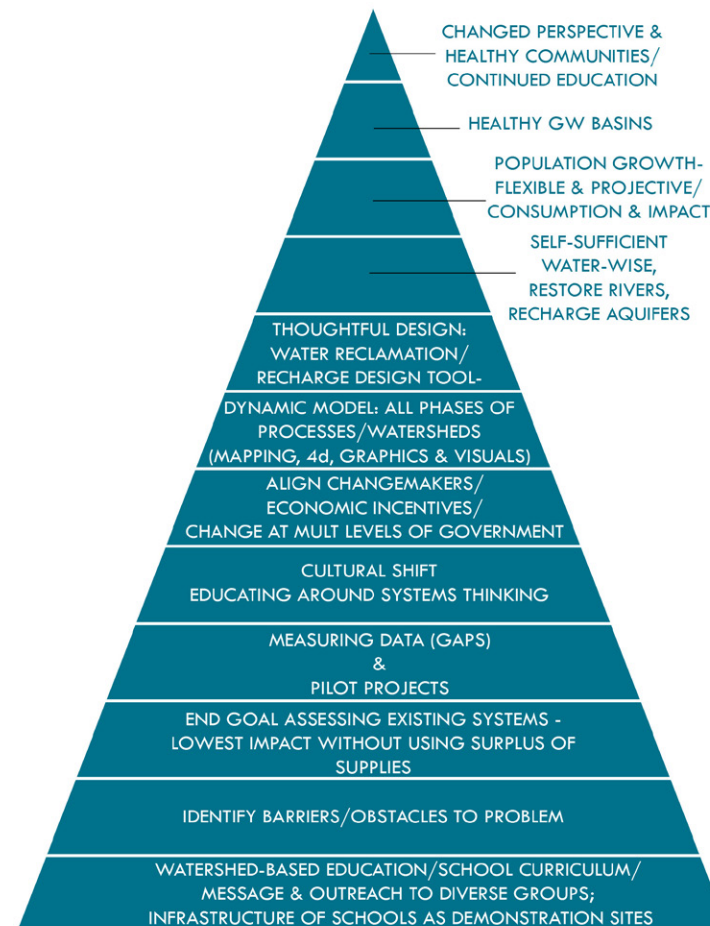
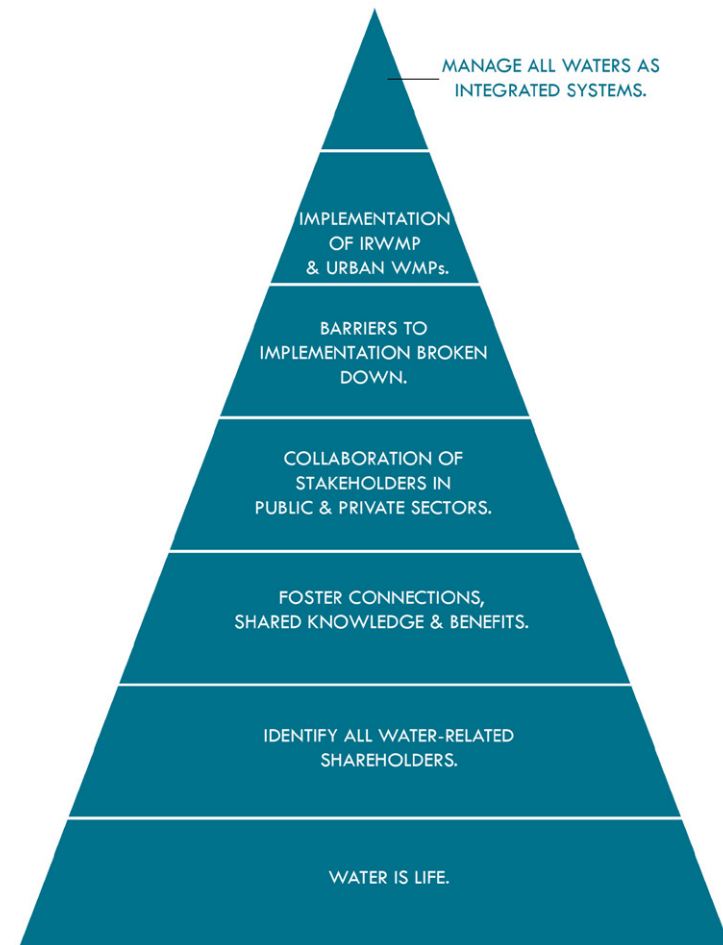
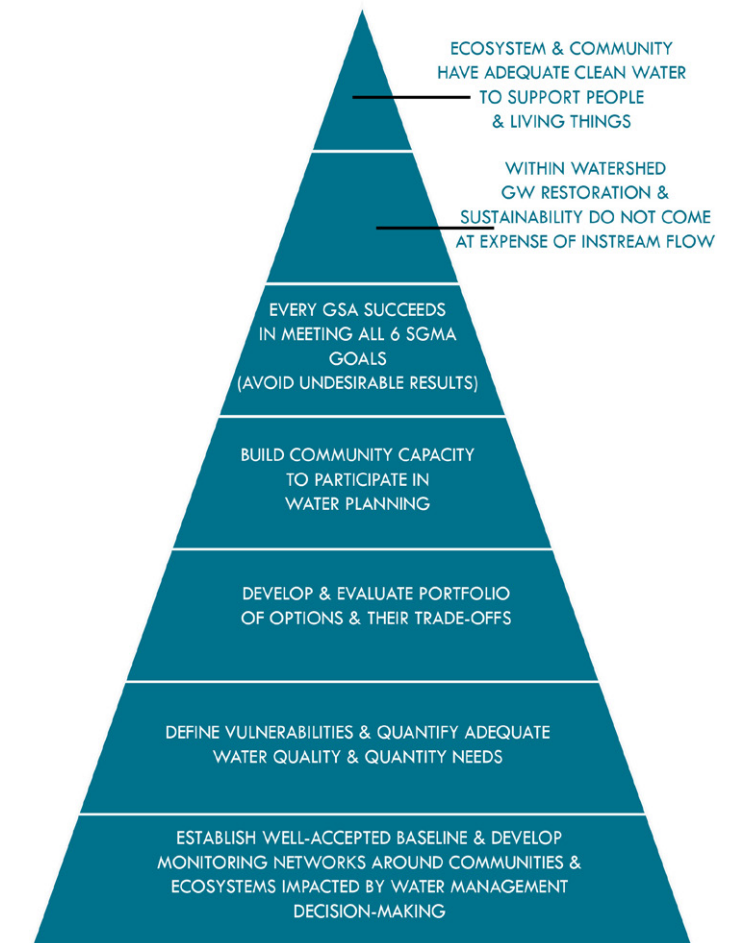
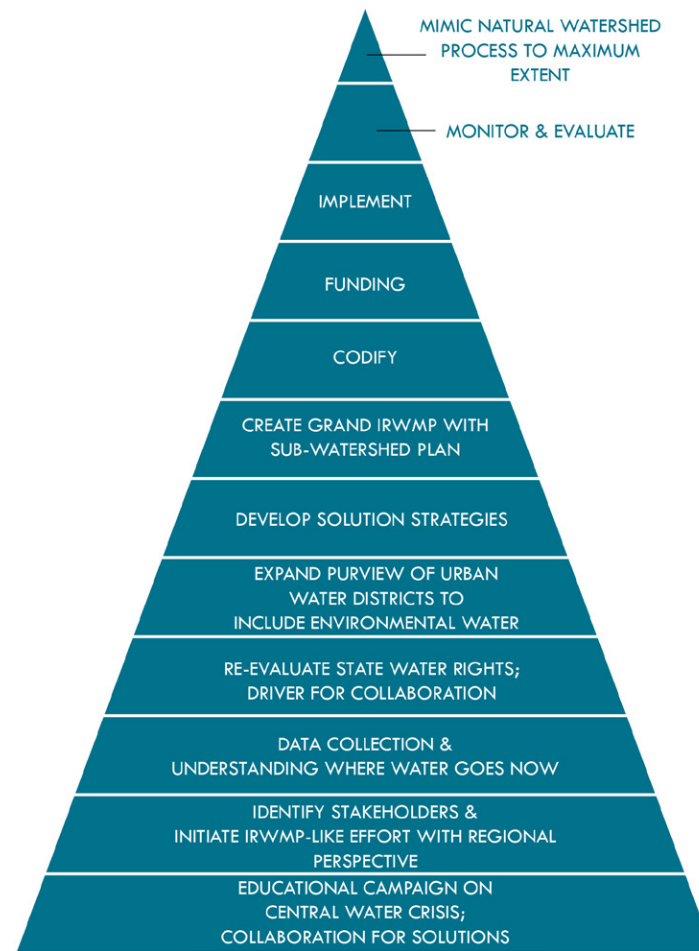
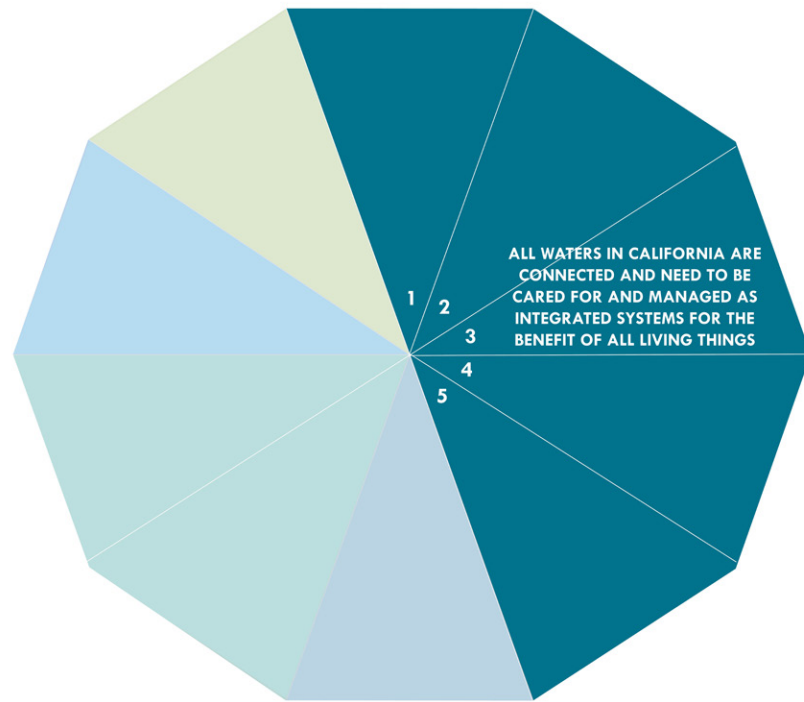
For this workshop, participants worked together in 10 groups. Each group chose one of the top principles identified in earlier breakout sessions.

Viewing their chosen principle as a long-term goal, participants listed it at the top of a triangle, and worked down the triangle, documenting steps they believe are necessary in order to achieve the long-term goal.

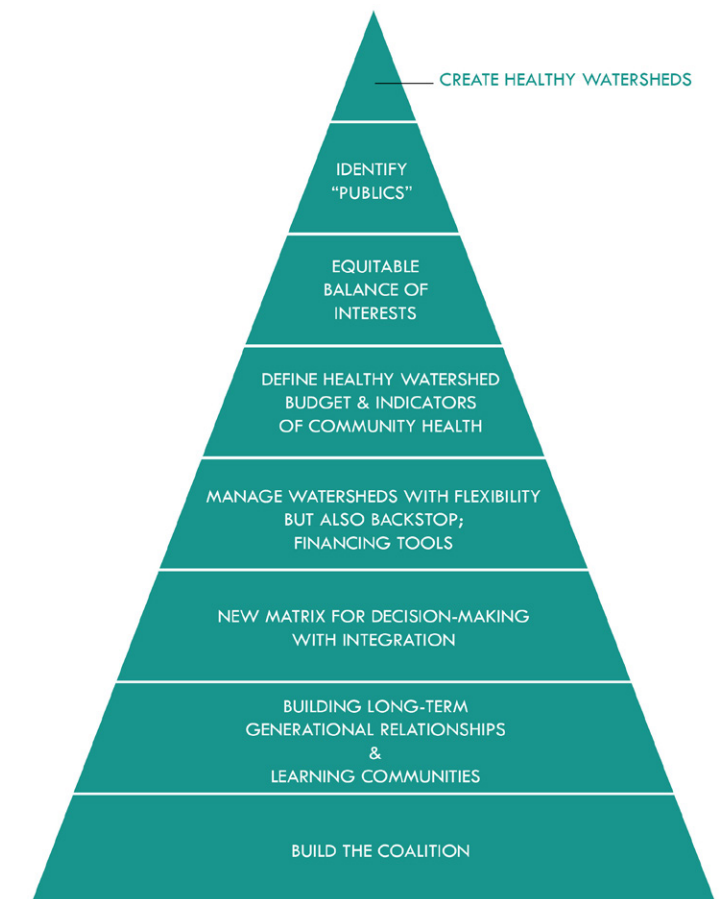
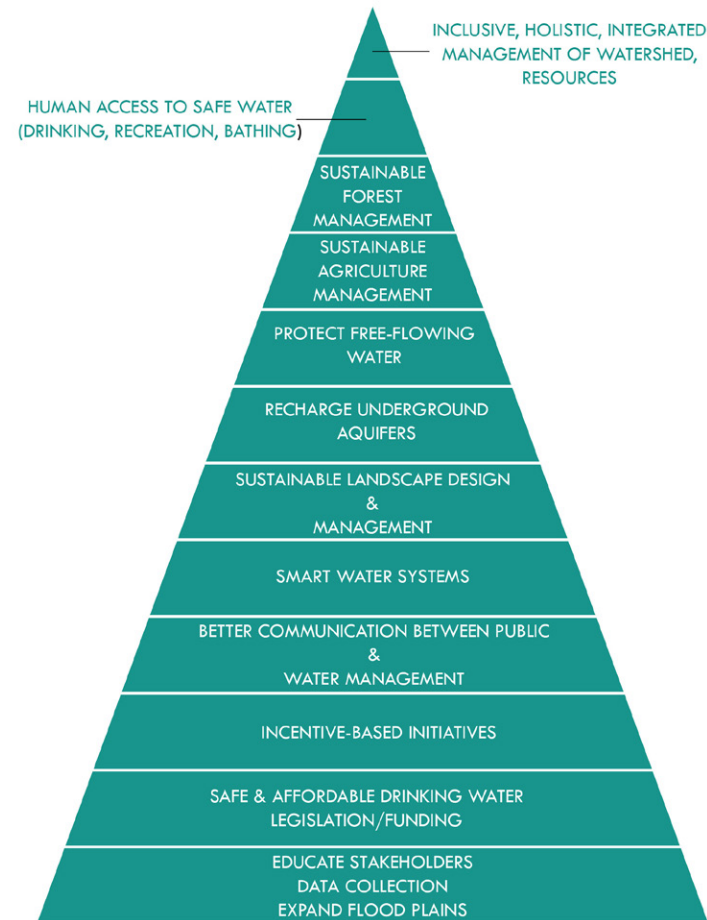
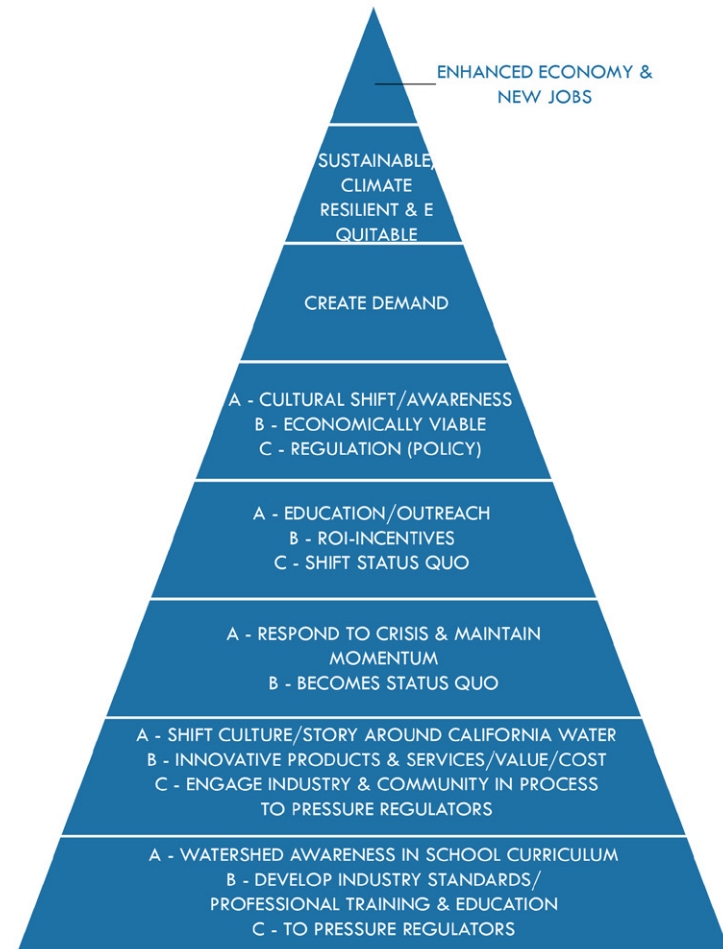
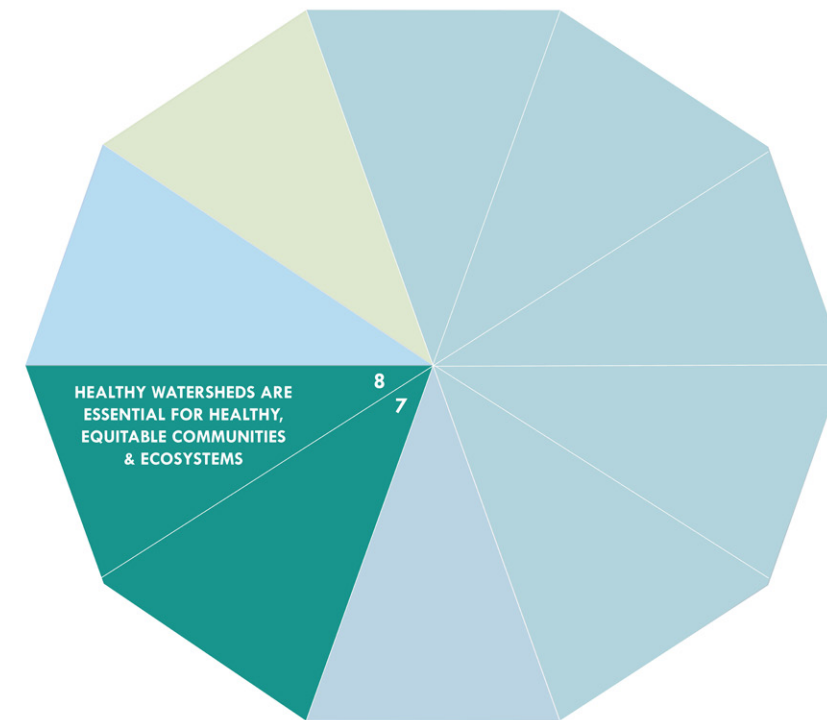
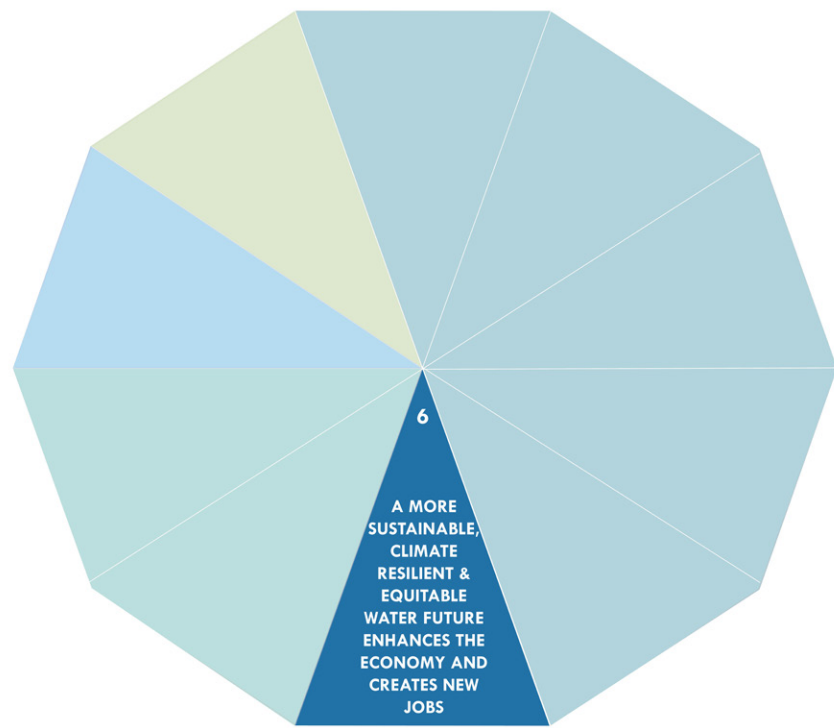
The following three pages show the breakdown of each principle work-shopped.

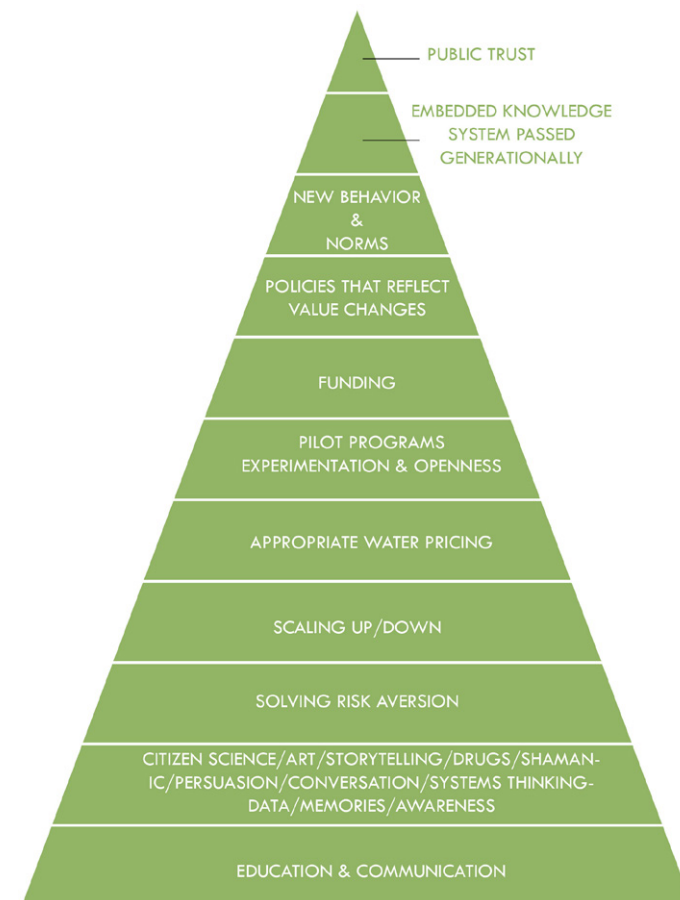
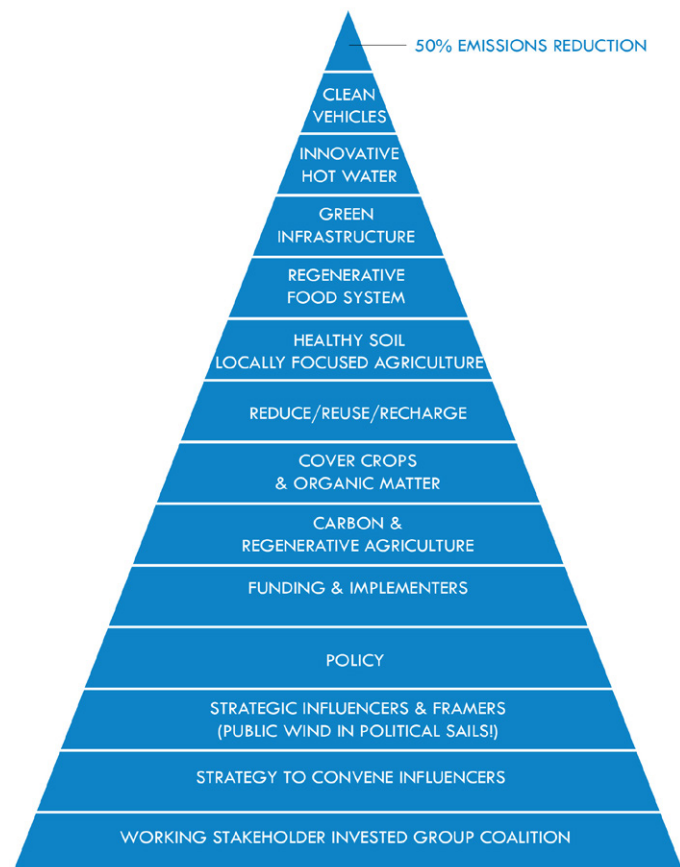
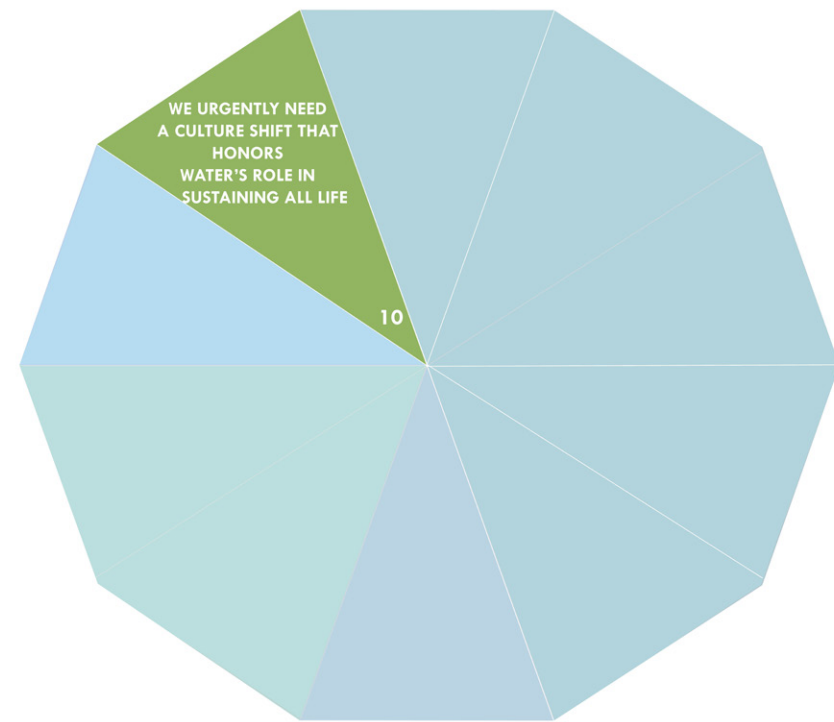
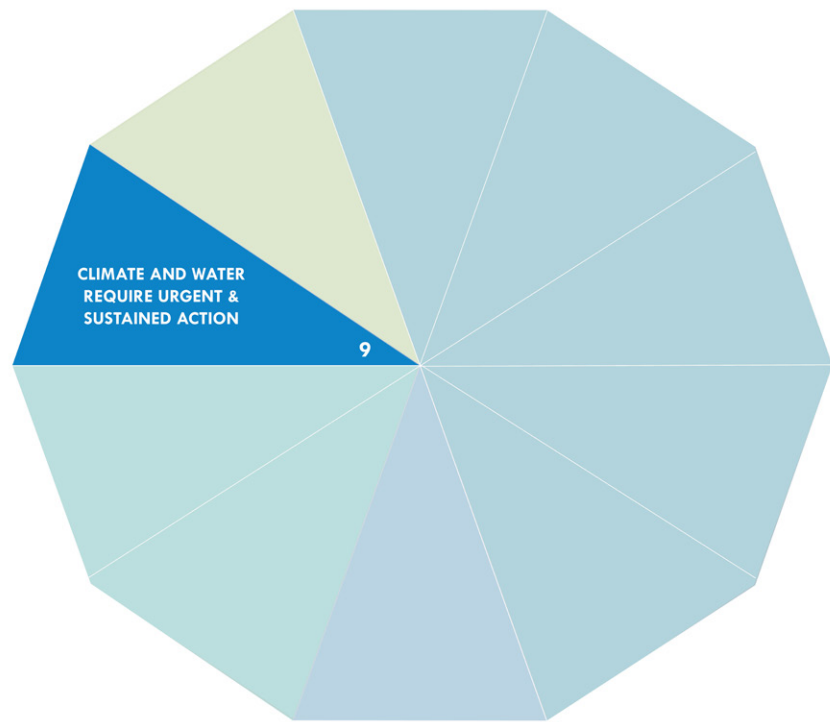


Five groups worked on this principle because it ranked highest.



Two groups worked on this principle because it ranked second.





Workshop participants were asked to write down at least one local, one regional and one state level action they would commit to taking this year. The results are summarized below and on the following two pages.

COMMITMENTS TO ACTION: **LOCAL** *EDUCATION & COMMUNITY OUTREACH*

1. Widen my lens of potential allies and collaborators.
2. Become more aware of and assist youth like the Ancestral Guard to continue their work.
3. Recharge and take stock of how to share lessons learned.
4. Work with key organizations & coalitions to build connective tissue between important stakeholder groups.
5. To continue sharing the information we have gained at this meeting with as many brothers and sisters that will listen.
6. Build relations with local tribes. Learn local TEK
7. Gather water that flows into Hetchy- the wild and free - and bring it back to my climate action group for the younger generation & tell them the story of how water goes from freedom to captivity.
8. Bring at least 10 people to a newly discovered access point on the Bear River - a somatic awareness of what is at stake.
9. Study, to gain greater understanding about the waters of CA.
10. Educate my graduate cohort on the messages and lessons learned at localizing CA H2O.
11. Further the understanding of how trees generate rain and work to disseminate that Awareness.
12. Building a biomass outdoor kitchen at Mt. Sage.
13. Create network of installers to engage in various code writing entities (UPC, IPC, IAPMO, etc.)
14. Connect with local watershed groups. Learn more about the impacts of local irrigation water on Klamath River. Research and practice reducing Ag water needs.
15. Learn and share more about the science/ ecological design nexus.
16. I will make an effort to meet with and talk with individual landowners and stakeholders from Firebaugh to Mammoth pool on the SJ River to engage them.



COMMITMENTS TO ACTION: **LOCAL** *POLICY*

17. Continue to be a connector between the state and local.
18. Integrated solutions demonstration site (sustainable affordable housing).
19. Participate in local water board meeting.
20. Follow up on meeting with watershed initiative to incorporate inclusive EJ (ET?) principles.
21. Talk code review with Rosie, Laura and Art
22. Be appointed to WB.

WATER CONSERVATION & REUSE

23. Install GW systems in all new project sites.
24. Add Greywater + rainwater harvesting to my yard.
25. Continue installing Grey, black, rain, and stormwater systems.
26. Installation of Greywater system at home.
27. Build a fog catchment or condensation catchment system on a residential or community scale.
28. Put in basic Greywater system - possibly put in rainwater catchment system.
29. Install Greywater system for backyard landscape.
30. Re-plumb my kitchen Greywater correctly.
31. Reduce water use for cooking and reuse washing water.
32. Think more about choices "embodied water" in shopping.
33. 10,000 gal rainwater harvest storage. Greywater bathtub. Mulch the shit out of my property.
34. Make plan for a rain to toilet pilot this winter.
35. Make maps of water availability off Sonoma roads and compare to groundwater needs.
36. Install laundry to landscape system. Install Rachio system.
37. Decrease amount of embedded carbon & H2O in diet by 25-50%

PERSONAL

38. Weekly date night with wife.
39. Support my household in our vegan transition.
40. Simplify. Stop the busy, breathe, love.
41. CCOF certification. Soil building large scale projects.
42. Complete my simple Grey H2O system in landscape.
43. Additional raingarden & swale in front.
44. Complete irrigation upgrades.
45. More practices that are heart opening. Build relationship with nature.
46. Volunteer for open space ecosystem restoration.
47. Consume less animal byproducts.
48. Learn, listen & collaborate.
49. Engage in conversations I would initially shy away from.
50. Take over community garden.



COMMITMENTS TO ACTION: REGIONAL

EDUCATION & COMMUNITY OUTREACH

1. Local education program about sustainable water systems in context of Climate Action Plan.
2. Quantify how much of the human demand for water in urban, industrial, ag must be satisfied with potable water (in stream) state, regional, local replacement potential in the next 5, 10, 30, 50, 100 years.
3. Support the local river trust.
4. Education workshops to teach about Grey, Black, rain and stormwater.
5. Increase awareness and education of easy and practical use of water for commercial use.
6. Write up an op-ed about Lake Cachuma for SB news press.
7. Educate small Sierra water agencies about 21st C alternative for water supply and Greywater wastewater integration.
8. Keep asking...where does your water come from.
9. Promote a localizing Sonoma waters conference.
10. L.C.A. of system carbon etc
11. Seeing more composting or waterless toilets.
12. Create more permaculture demonstration parks/museums for public exposure.
13. Continue to work across issue areas and sectors to connect dots between food, water, health, climate & equity.
14. Support/develop education and training to support the local workforce.
15. Organize allies & friends in Fresno area - LCW in Fresno! W/ Ag.
16. Creation of updated curriculum that is inclusive, sustainable, and urgently presented.
17. Collaborate in Central Valley to launch Watershed Approach to Landscaping workshops and Education.

18. Regional community education on Greywater systems.
19. Develop and spread education about watersheds and how they connect to our everyday life.
20. Strengthen community understanding of water.
21. Increase funding for local groups advocating for waters. Increase connections for those groups to better connect to our waters.
22. Build a common/shared open source visual language for water.
23. Align intentions of local NGO's.
24. Fund youth-led green jobs programs in low income marginalized communities.
25. Greywater installers for UHll impacted neighborhoods.
26. Have a local conference on all treatment device vendors to bring awareness/education to community on how a home can recycle reuse all waters generated onsite.
27. Create and present a PowerPoint to raise awareness about water manipulation in our region.
28. Forming watershed groups and/or utilize existing groups.
29. Follow up on possible plan of similar workshop in Sonoma area.
30. Organize my work to bridge traditional engineering and ecological design.
31. I will network & collaborate with water and river advocates in the Central Valley to protect the SJ River and advocate for access to it.
32. Establish a water "library" either online or at a community center or...which will begin to educate and recruit interns.
33. Help take an active role in solving Ojai's water issues + volunteering + helping Regina with grant.

COMMITMENTS TO ACTION: REGIONAL

POLICY

34. More regional meetings like this.
35. Trout Unlimited. Watershed Restoration Funding prop 68. Expedited permit pathway.
36. Organize meetings. Upper and lower meetings.
37. Experimental permit ordinance trade access and data for more flexibility.
38. Water element to county general plan with all stakeholders contributing.
39. Greywater ready plumbing required in new remodels. Huge rebates for stormwater catchment. Tank giveaways, education about relationship of soil (living) to water.
40. Push watershed health to top priority for funding/action by county supervisors.
41. To encourage my county regulators to educate themselves on the policies that we have espoused at this meeting.
42. Continue to advocate for water conservation & reuse in the Bay Area.
43. Regional watershed database & spatial mapping available for local/regional policy improvements.
44. Gain a clearer picture of groups doing collaborative stakeholder planning.

45. Stay on planning commission + subcommittees if no conflict - local policy change - water, Greywater, plumbing for permitted projects
46. Landscape ordinance update.
47. Tree ordinance update.
48. Complete streets stormwater capture.
49. Learn more about my regional watershed orgs and who needs to be at the table.
50. Implementation of on-ground efficiency & reuse projects with monitoring to follow.
51. Run for city council or education board & get more education in our schools to propel the cultural shift we need around water.
52. BRWG \$ & capacity for watershed resiliency - Bishop cr. Waters
53. Communicate with Sonoma planning & building dept on how to approve Greywater systems.

ONSITE WATER REUSE POLICY

54. Greywater in all new construction.
55. Require Greywater stub outs in all new construction in Alameda County.
56. Spread Greywater knowledge.
57. Local adoption of GW&RW systems in



COMMITMENTS TO ACTION: STATE

EDUCATION & COMMUNITY OUTREACH

1. Trout unlimited, CCC, Active Restoration geared towards principles.
2. Watershed Plans for every watershed w/ priorities to address principles.
3. Vocational training and career pathway support.
4. Refocus away from twin tunnels to localized reuse and security.
5. Statewide hydro-literacy high school requirement.
6. K-12 Watershed Education
7. Unified watershed database and spatial mapping/indexing.
8. Work on legislation requiring curricula in public schools to teach kids where their water comes from (or even field trip to headwaters)
9. More sustainable water focused people involved in SGMA groups.
10. Reduce water use goals from 65 gal/day/person to 55 gal/day/person
11. Expand partnerships between H2O suppliers/agencies and grassroots communities to foster shared understanding.
12. Mainstream watershed education in schools. Mandate GSA reps to attend this Conference.
13. State and philanthropic Community. Listen to what people on the ground need to be able to do the essential work this human world needs to survive and thrive.
14. Expand the outreach to new river NGO's for CA Rivers Day.
15. 4D Integrated model of all waters that connect to CA.
16. Become more involved with restore the delta.

“The purpose of water is RECHARGE, and soil is the living container that makes space for this purpose.”

- Matt Gries

POLICY

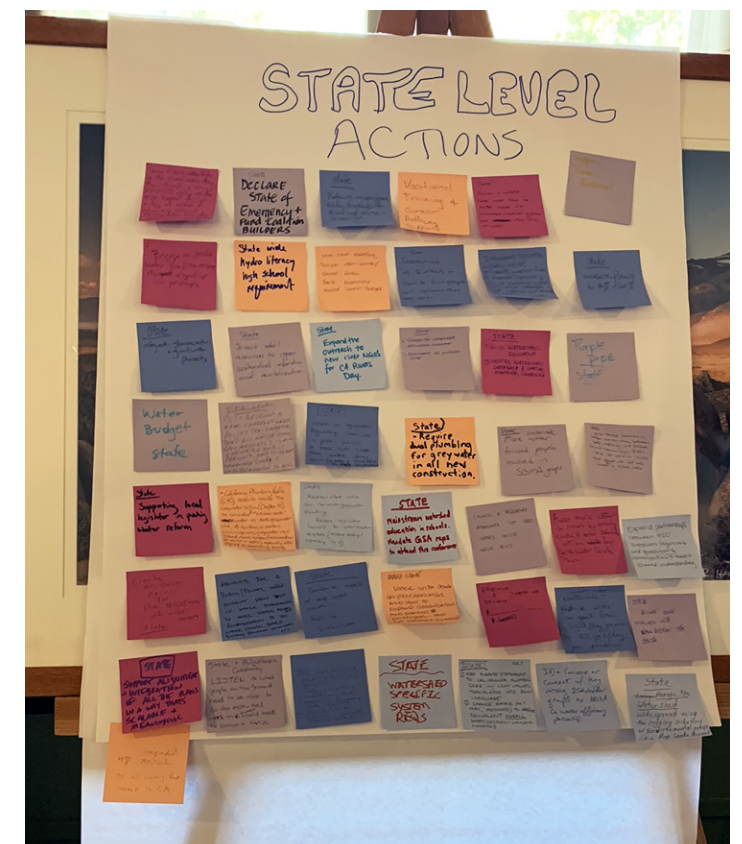
17. Support Dam Removal.
18. Create State Provisions w/in bonding language to utilize conservation corps to implement principles.
19. Funding agencies (SWRCB, CDFW, IRWM, DWR, USFWS) Align goals to address common goals. Don't compete - collaborate.
20. Review & update state water laws to better include the environment/natural systems and other forms of water.
21. Declare state of emergency and fund coalition builders.
22. Give rivers, watersheds, and the communities they flow through a strong and powerful voice at the state capitol through a day of action and advocacy w/ broad representation from constituencies we are organizing.
23. Engage on possible water bond to ensure it is aligned w/ our principles.
24. State level modeling through open source shared data. Result: ecologically minded water budget.
25. Introduce legislation and policy that reframes water from a market commodity to a critical commons that CAN BE self-renewing if managed as such.
26. Direct additional resources to upper watershed restoration and revitalization.
27. Integrate stormwater and groundwater permits.
28. State water budget.
29. Develop a more coherent water policy that emphasizes that all waters (black, grey, fresh etc) is all one water and is precious, and to develop language that is understandable to All.
30. ID and convene or connect w/key missing stakeholder groups and ARCSA CA waters efficiency partnership....

COMMITMENTS TO ACTION: STATE

ONSITE WATER REUSE POLICY

31. Add purpose statement to CA plumbing code w/ LCW values translated into policy language.
32. State communicate w/ RWQCB on how to fund projects and concerns they may have.
33. Manage the watershed - widespread using logging industry w/environmental groups like Ron goode discussed.
34. Work toward developing better coordination between state agencies and tribes, tribal communities, PT83 and SB18 to work on issues that affect all but are housed in tribal areas.
35. Keep more water in rivers by ensuring SWRCB and/or stakeholders act on Bay Delta Water Quality Plan.
36. Supporting local legislator in pushing water reform.
37. Advocate for a public/private independent brain trust of water stakeholder to make water stewardship recommendation to the water control board, building standard commission, ETS.
38. Endorsement and funding of carbon farming practice.
39. Purple Pipe
40. Change AMMR (alt mat, methods) to require equivalent overall safety (historic and emergent hazards).
41. Watershed specific system requirements.
42. Work with COWA on proceedings and how to expand conversation and shared principles - how to get stronger alignment.
43. Create an easier process for the acceptance of water systems.
44. Support alignment and integration of all the plans in a way that is scalable and meaningful.

45. Require dual plumbing for greywater in all new construction.
46. Create a regulatory framework that truly supports onsite reuse.
47. Review state code for rainwater / greywater plumbing. Reduce regulatory barriers for small system adoption (onerous testing/reporting regs).
48. CA plumbing code (CPC) needs to revise the greywater section (chapter 15) to consider 1) “kitchen sink” wastewater as dark greywater and 2) to allow in certain circumstances, greywater as stand alone system (no connection to sewer or septic) especially with regard to composting toilets.
49. Increase flows to 40%-60%



LCW PARTICIPANT SURVEY RESULTS

Healthy watersheds are essential for resilient, healthy and equitable communities and ecosystems.

We received 40 responses to the post-workshop survey, which will help to inform The Localizing California Waters Conference in 2019.

Participants identified:

1. Policy Change
2. Demonstration Projects
3. Watershed-based Education, and
4. Clear Messaging

As the most important approaches to removing barriers to getting to the mainstream.

The key principle that participants feel most aligned with is:

Healthy watersheds are essential for resilient, healthy and equitable communities and ecosystems.

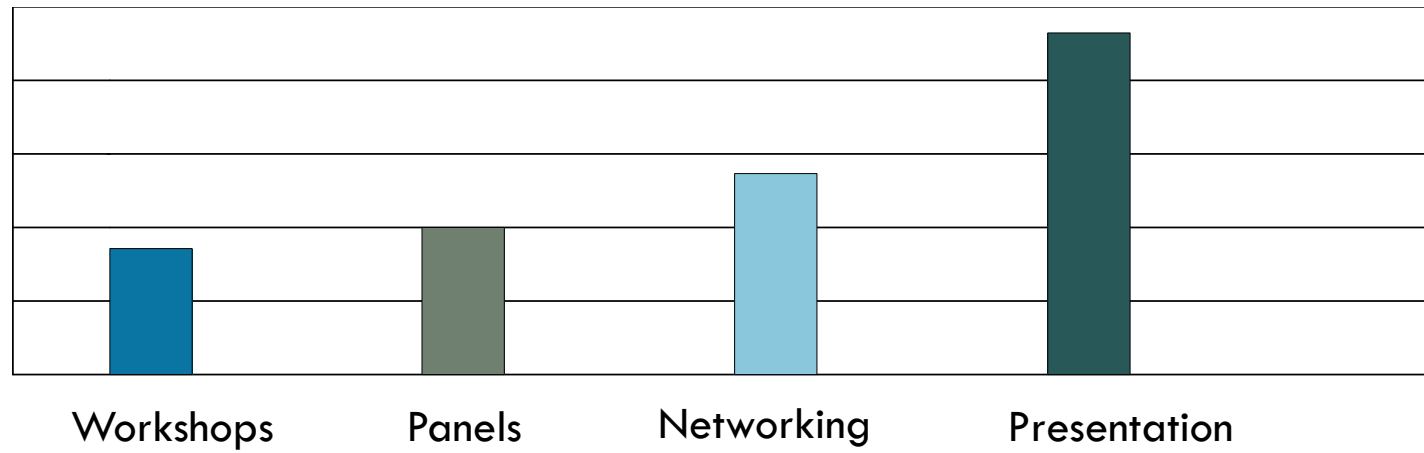
Some favorite “Aha Moments” included:

- Sammy Gensaw and the Ancestral Guard
- Dennis O Connor’s chart of water system losses
- Messaging 101
- Daily Acts presentation: “The love in the air is thicker than the smoke.”
- Kyle’s wheel workshop as a tool for messaging and using the right language with particular audiences
- Didi’s demonstration with flour, water and yeast
- Shelton Johnson’s presentation: “Anytime somebody talks about water, it’s an autobiography.”
- That watershed health is linked to public health
- That others also believe we are in dire need of a huge cultural shift
- Water is what connects everyone. We all have that in common
- Talking about our carbon footprints
- Deeply personal - disconnection from self, nature, community are among biggest barriers to alignment
- Urgency, finding levels of agreement, holding macro and micro actions together



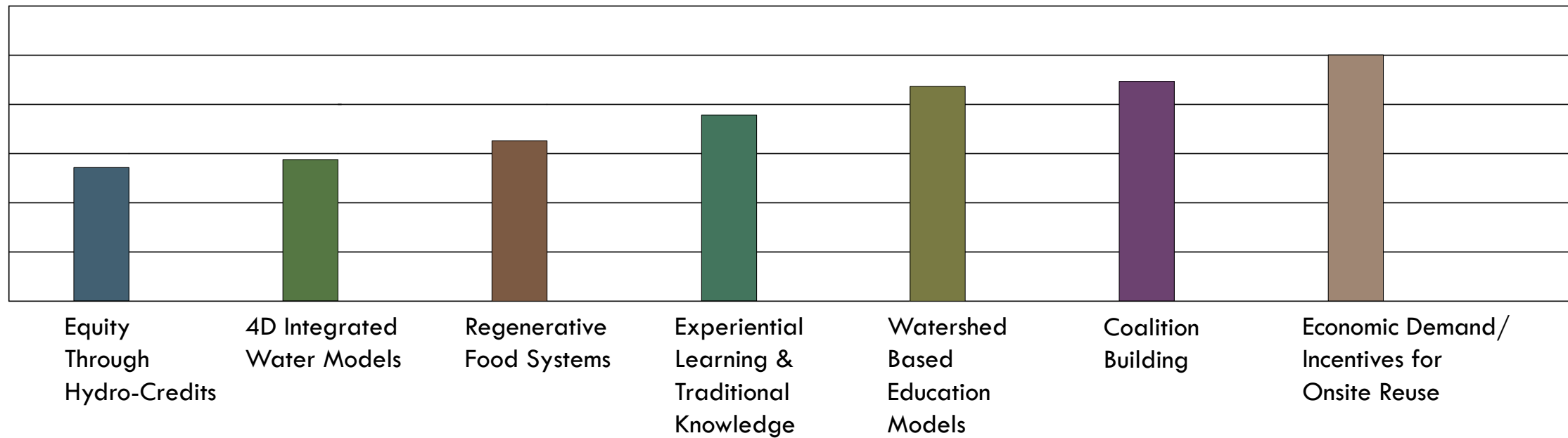
LCW PARTICIPANT SURVEY RESULTS

What did you find most valuable?

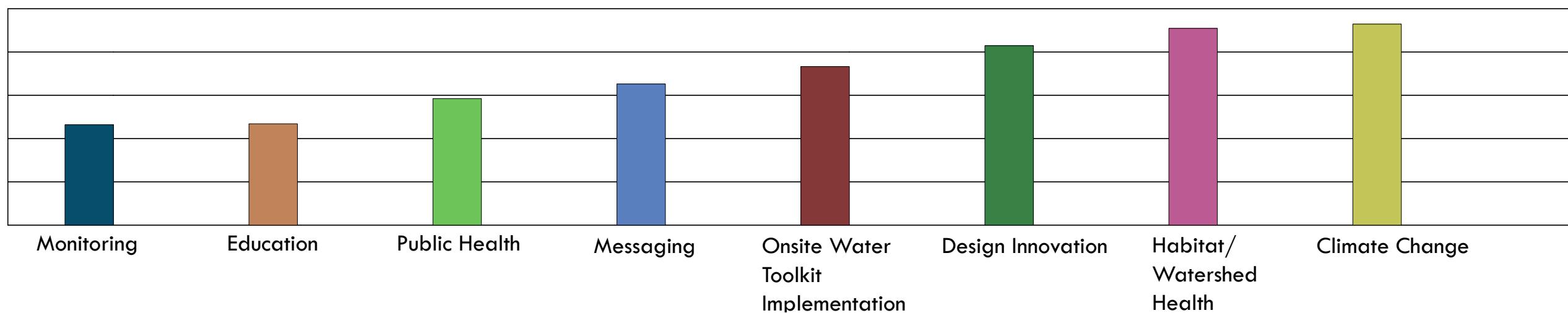


Note: Graphs show results from the post-workshop participant survey, in order of lowest to highest preference.

What Program/Policy/Initiative would advance our efforts most?

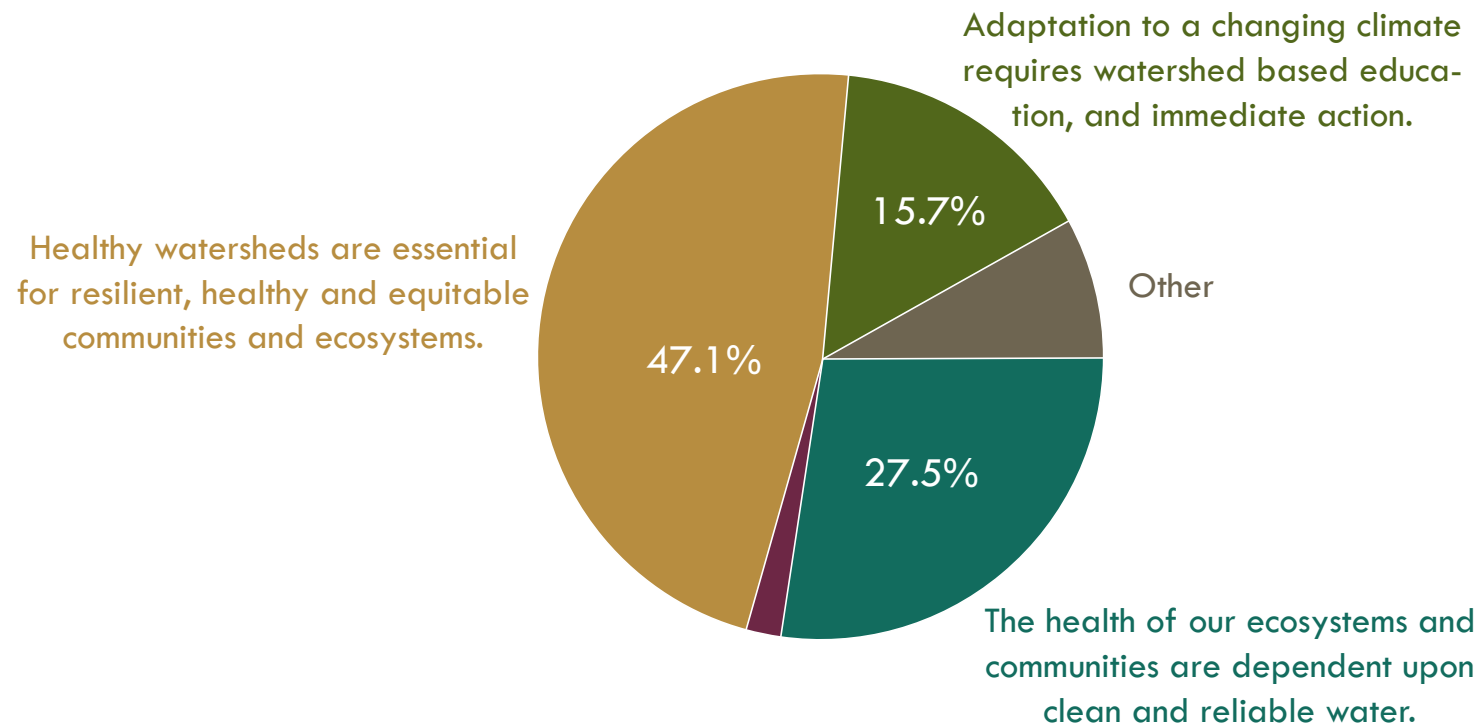


What are the topics you would like to talk about at the LCW 2019 Conference?



LCW PARTICIPANT SURVEY RESULTS

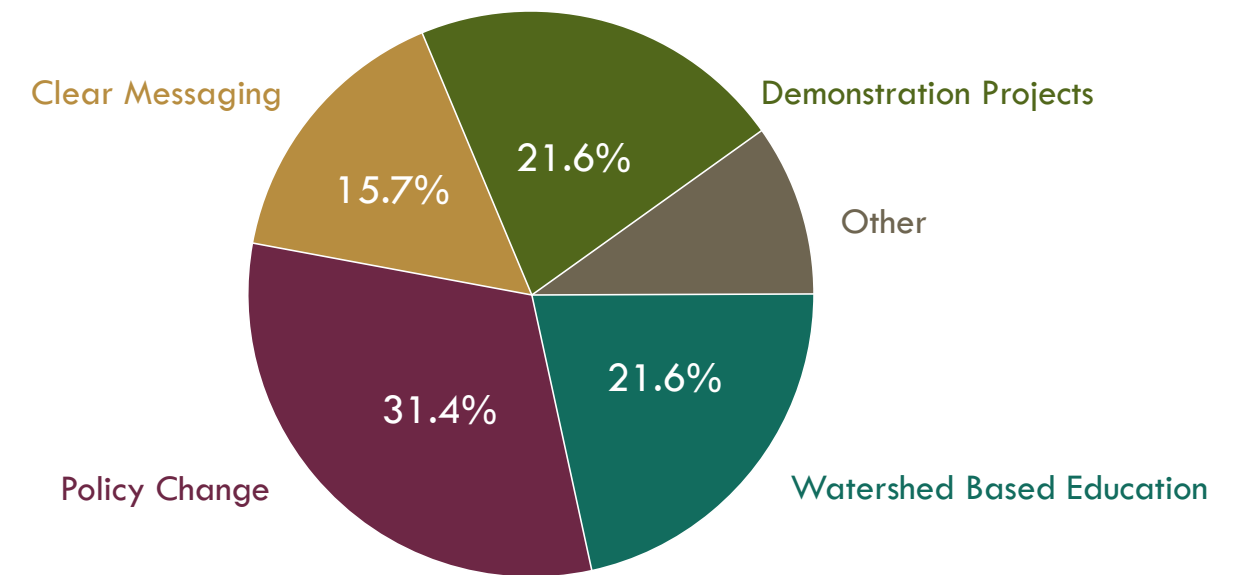
What statement or principle do you feel most aligned with?



Principles that fell into the Other categories include:

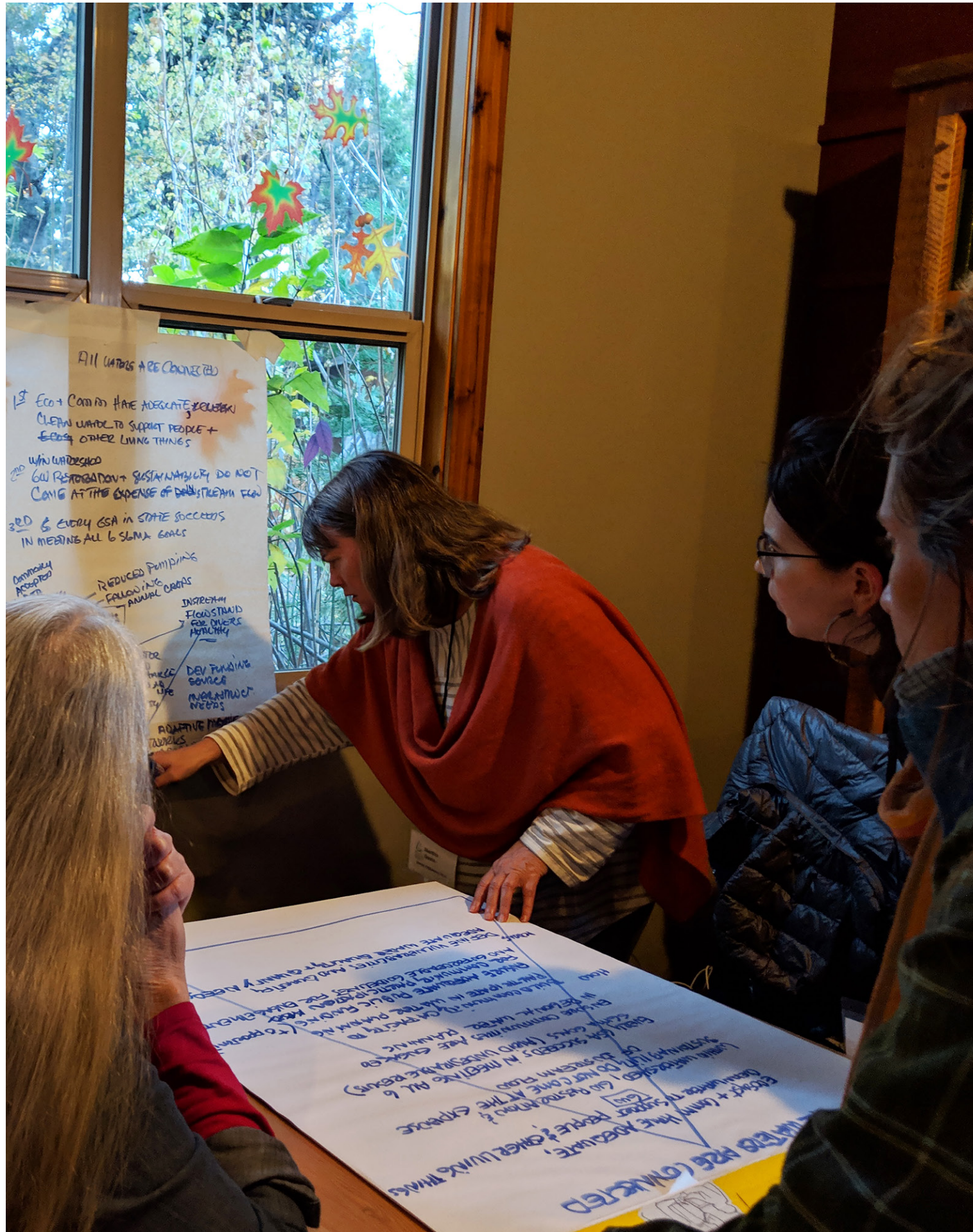
- Reciprocity, restoration, resurgence
- Watershed sustainability must be built on measurable metrics in order to be manageable, and are essential for resilient, healthy and equitable communities.
- A Cultural Shift is needed around human's relationship to water.

What do you see as the most important approach to remove barriers to getting to the mainstream?



Principles that fell into the Other categories include:

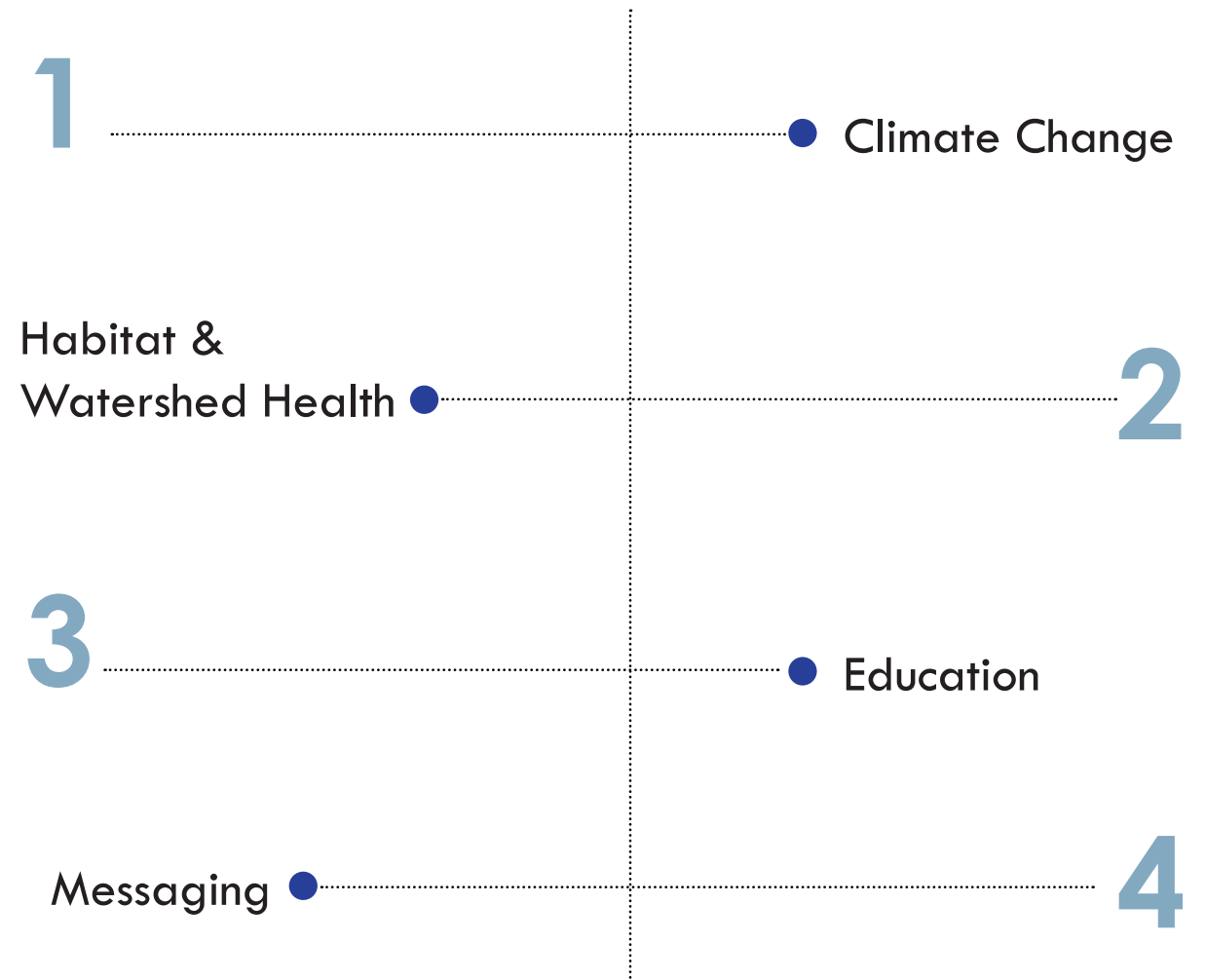
- Develop clear messaging tailored for Newsprint, Radio, TV and Social media forms.
- Understanding power disparities between water stakeholders.
- Broad based, cross silo community organizing.



NEXT STEPS

Participants listed the topics that they would like to discuss at the 2019 Localizing California Waters Conference, which will incorporate the key principles and actions identified during this year's workshop.

In addition to the top four choices, listed below, participants are interested in Public Health, Education, Onsite Water Toolkit Implementation, Design Innovation, and Monitoring.



Deliverables resulting from this years workshop include: workshop proceedings, graphic message development, one NGO meeting in 2019 and two regional meetings in 2019 as well as topic selection for LCW 2019 Conference November 2019. Photos and Presentations from the workshop will be available in Spring 2019 on the LCW website at:

www.californiawaterreuse.org



LOCALIZING CALIFORNIA WATERS 2018