



# Principles of Quality Climate Change Adaptation

## Participant Development Activity

Individually participants were asked to write down principles from “Section 4: Principles” of the Living Guide that resonated with them. From there participants translated each principle into a question that they could ask themselves in relationship to their own work and listed it on their jamboard. The responses were organized according to the principles from the Living Guide.

# THINK IN SYSTEMS

Acknowledge that we live in an interconnected world, and consider how problems, actions, and solutions relevant to one component in a system can trigger changes in the other components. Holistically consider the multitude of intersecting risks that social and ecological systems face. This includes risks derived from both climate and non-climate hazards. Look holistically at the benefits of solutions and actions. Articulate and maximize co-benefits to increase the inherent value of projects, and increase partnerships, support, and collaboration.

**How can we inspire and empower partners to think systematically with us?**

**What is the system boundary?**

# ADDRESS ROOT CAUSES OF CLIMATE CHANGE

Acknowledge that adaptation will only be successful in the long-term if concurrent mitigation efforts are successful at maintaining safe levels of carbon dioxide in the atmosphere. Ensure that climate change adaptation actions are consistent with and supportive of mitigation actions. Certify that adaptation actions are low-emissions. Work in synergy with climate change mitigation whenever possible. Appreciate limits to adaptation and push mitigation.

# RECOGNIZE CONTEXT

Contextualize adaptation research, policies, practices, communication, and actions to the appropriate issues, location, and scale. Understand existing, underlying conditions and vulnerabilities that climate change may exacerbate before deciding what adaptation action to take. Design strategies to adjust over spatial and temporal scales, and account for variability and extremes. Assess localized outcomes of adaptation actions.

**Recognize context:  
How might we help  
people understand  
the "rhetorical  
situation" they are  
in with each  
audience they  
address?**

# SAFEGUARD PEOPLE

Safeguard the health, well-being, safety and existence of all people affected by an adaptation action. Focus on more vulnerable populations, engage those who have traditionally been disenfranchised, and consider multiple, intersecting vulnerabilities, systemic injustice, and oppression when identifying problems and solutions. Assess all strategies to ensure that they do not have disproportionate negative impacts on these populations. If possible, adaptation strategies should actively strengthen these populations.

# SAFEGUARD NATURE

Explicitly address the needs of ecological systems, including fish, wildlife, and plants, in adaptation strategies. Assess all actions to ensure that they protect or enhance the capacity of ecosystems to sustain function over time, and that human communities can continue to sustainably derive benefits from them in the long-term.

# USE BEST AVAILABLE SCIENCE AND KNOWLEDGE

Ensure adaptation-related decisions are consistent with and responsive to the best-available science about climate change and current knowledge of how it will affect human and natural systems. Use the full range of scientific tools, including both quantitative and qualitative methods, community knowledge, Traditional Ecological Knowledge, collaboration among the sciences, and the informed co-production of knowledge. When given the opportunity to design or implement an adaptation process, follow a vetted adaptive management process. Update policies and shift priorities as new information becomes available.

**What is the full breadth of science and knowledge on the topic?**

**How do we expand our definition of "best available" to include community knowledge, traditional ecological knowledge, etc?**

# USE PROJECTIONS ABOUT FUTURE CONDITIONS

Whenever possible, use projected future conditions, rather than averages over time, when planning for social, economic, ecological and other impacts, and in assessing prospective risk and vulnerability. Incorporate the full range of possible climate outcomes in assessments and plans, including highly uncertain events, acknowledging that conditions are becoming increasingly dynamic. Consider projected future conditions across all variables that may influence the outcome of adaptation actions, such as demographic and economic conditions. Continually re-evaluate underlying goals in light of new knowledge about projected changes.



# AVOID HARM

Evaluate the impacts of adaptation actions on potentially affected systems, scales, and sectors for both short and long-term time horizons.

Guard against maladaptation by assessing potential impact across sectors, scales, and systems and by engaging multiple, diverse stakeholders in the process. Consider externalities, minimizing disproportionate impacts to some at the benefit of other regions, generations, social groups, or systems. Recognize that sometimes the optimal solution requires some level of harm to a sector, system, or population. In those instances, seek to minimize harm and maximize options of people with less political and social power.

# UNDERSTAND INJUSTICE AND WORK TOWARDS JUSTICE

Grave injustices of the past, which have been allowed to perpetuate today, have created an unjust and inequitable society. Climate change exacerbates these inequities, as those who are the least responsible for climate change are often the most impacted. Widespread discrimination, promoted by histories of colonialism, white supremacy, domination of nature, and economic exploitation have created systems that inhibit otherwise capable communities and ecosystems from thriving. Understand systemic injustice and oppression and the resulting barriers to adaptation. Address injustices at their core whenever possible to remove these barriers and create the conditions needed for individuals, communities, and systems to be able to adapt.

**How am I  
centering  
climate justice  
in project  
development?**

# ENSURE FAIRNESS IN DECISION MAKING

Adaptation professionals inform and influence decisions, design decision making processes, and make decisions that affect people, nature, and the systems on which they depend. Decision makers hold power. That power is sometimes used to limit people's access to decision-making structures, particularly people and communities on the frontlines of climate change. It is critical that climate change adaptation creates opportunity for the people on the frontlines of climate change to build power through decision making. Use what power you hold to help ensure that all decisions and the processes by which they are made include representatives from all affected groups. Whenever possible, those in power should use the principle of "decide with, not for." In situations where one must decide "for," they should seek to maximize transparency, accountability, and follow-through and minimize harm and maximize options. Seek to especially minimize harm and maximize options for people who have little political power due to historical injustices.

**How to pressure decision-makers (in my case state employees) into taking the time to ensure fairness in their processes?**

**Ensure fairness in decision making: How might we include underrepresented and minoritized groups, instead of listening to and changing for the loudest stakeholders and usual suspects?**

# ENSURE EQUITABLE DISTRIBUTION OF COSTS AND BENEFITS

Ensure that the costs of adapting to climate change and the benefits of adaptation actions are equitably distributed. This means paying particular attention to individuals and groups on the frontlines of climate change, those disproportionately affected by climate impacts, and historic inequities in the distribution of benefits.

# NETWORK AND LEARN TOGETHER

We are all in this together, and our successes amplify and build on each other. Adaptation is contextual, but there are similarities in approaches across regions and sectors. Create templates and models that can be modified, tailored, or adapted to a particular context. Create the conditions for transferring and scaling solutions. Acknowledge that sharing best practices, learning by doing, and iterative and collaborative processes can help support local and overall progress. Use case studies, organizations spanning sectoral boundaries, and networks to connect and learn. Avoid reinventing the wheel by continuously communicating successes and challenges with peers and colleagues. Develop new, innovative ideas through dialogue and collaboration.

**How can I make  
sure I'm engaging  
with communities  
without being  
extractive or  
exploitative?**

# COLLABORATE

Integrate a diverse set of individuals and types of organizations into adaptation work, including representatives from government entities at all scales, non-governmental organizations, corporations and businesses, community groups, and philanthropy. Create opportunities to include people at multiple levels of organizations, and unaffiliated individuals.

Create a common agenda that is beneficial to all parties. Develop shared processes and align effort to maximize connection and efficiency. Involve all partners in all actions, from problem identification through evaluation. When feasible, create infrastructure and dedicated staff that cuts across sectors and organizations.

**Collaborate: How  
might we dissolve  
barriers to  
connection with  
new groups or  
hostile groups?**

# USE EXISTING BEST PRACTICES

Many of the promising practices for adaptation work are general best practices that apply outside of the adaptation field as well. Two prominent categories are program design and management, and communications and engagement. The sections below describe best practices for each that should be applied in adaptation work.

# TAKE CARE

We work tirelessly to address climate change everywhere – prioritizing communities on the front lines. We cannot unknow what we know and oftentimes, that can cause anxiety, grief, and trauma for professionals working in this field. In order to continue being of service to our planet, communities, colleagues, and families for the long-term, we need to take good care of ourselves.



Power to Make Change

Remaining Questions