

Community- Based Water Security Improvement Planning (CWSIP 2)

Focusing on Strengthening the Community's Resiliency
to Climate Risks & Future Water Problems

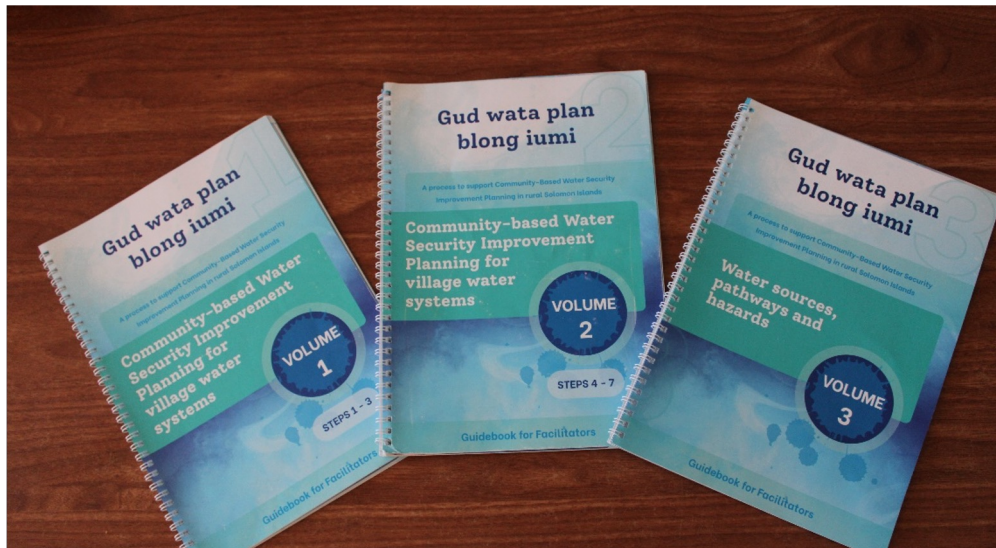
Solomon Islands Context



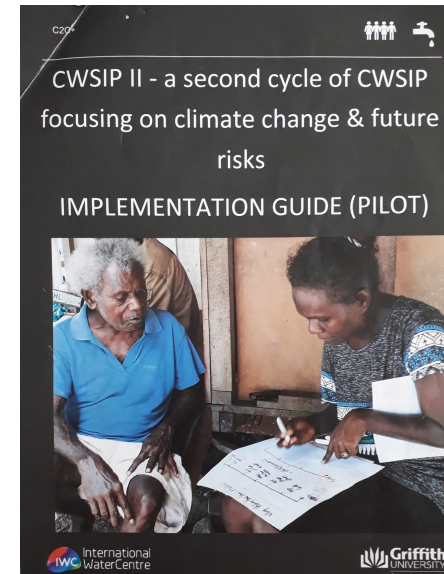
CWSIP 2 - Purpose

- Build on the skills developed in CWSIP 1 – but more on the catchment level & future climate risks to community water system.
- Support communities to prepare for problems caused by climate change and other change (especially population change)
- Revisit the action plan from CWSIP 1 – help to redesign, re-enforce it is important, and needs to be documented and progressed.

CWSIP 1

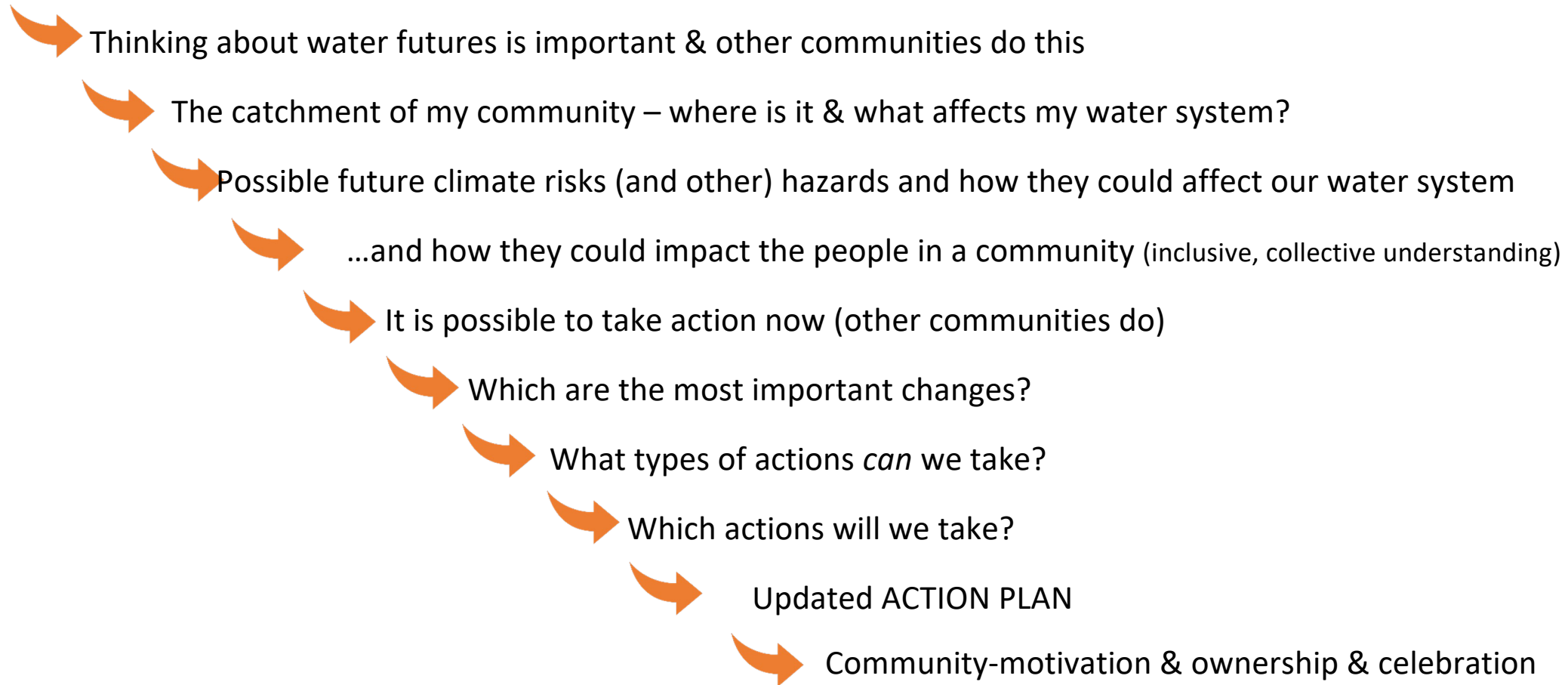


CWSIP 2

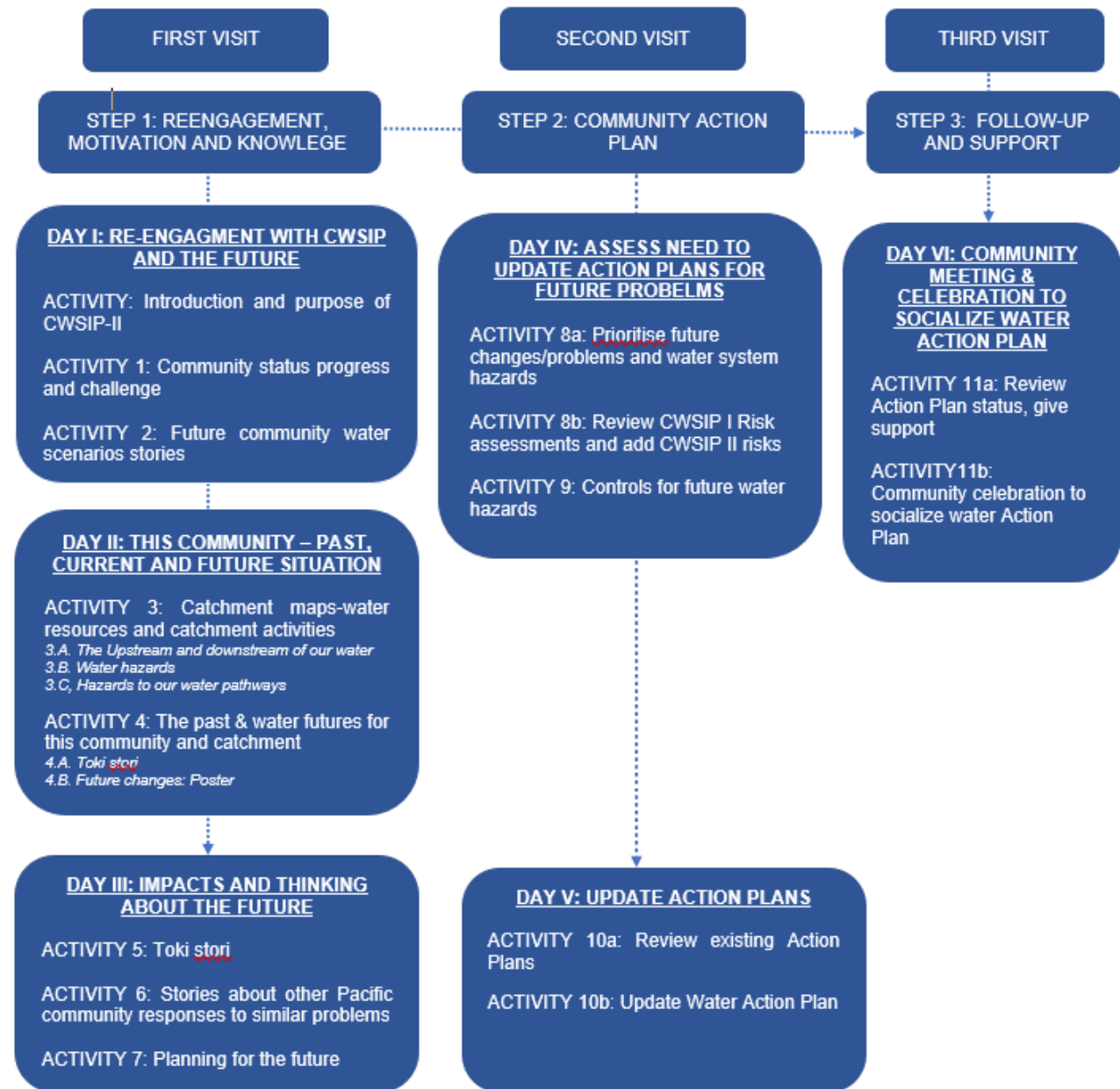


CWSIP 2 – sequence of key ideas & messages

Remotivate & check on CWSIP 1



CWSIP 2 Activity Outline



Step 1: Catchment Maps – water resources and catchment activities



Step 1: The past & water futures for the community & catchment

A. Tok stori - Learning from the past experiences

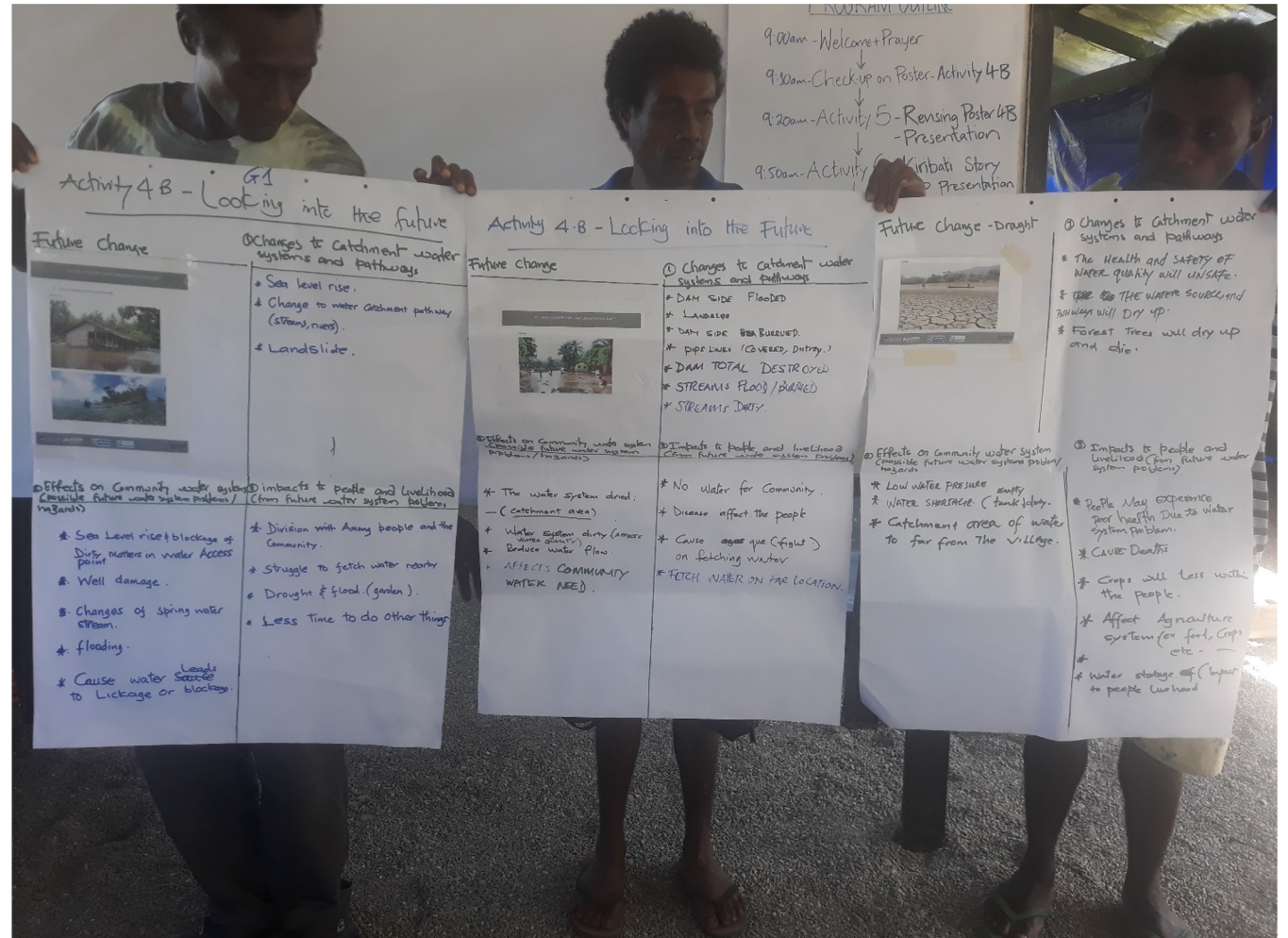
B. Looking into the future

Poster activity: Participants select two future change

Homework: Community Engagement

Impacts and thinking about the Future

Water Impact Tok Stori



Step 2: Identifying Future Water Problems & Control Actions

8a. Prioritise future water changes/problems & water system hazards

- Community reporting
- Using community future hazard posters (homework) and catchment map
- Highlight/identify most important water problem

8b. Risk assessments approach

- Identify risks (risks-based approach) to water systems causing (serious harm to health or wellbeing)

9. Identify possible control actions for future water problems

- discuss examples of the types of actions that can be taken to prevent, reduce and improve water situation now.
- Choose which actions to take forward

10a. Review existing water action plans

- Are the future water problems that have been identified as priorities already included in the water improvement action plan?
- Link discussion to the Posters

10b. Update Water Action Plan

- Prioritise, tweak and add new actions to CWSIP1 action plan, to replace CWSIP 1 action plan.

Future Water Problems

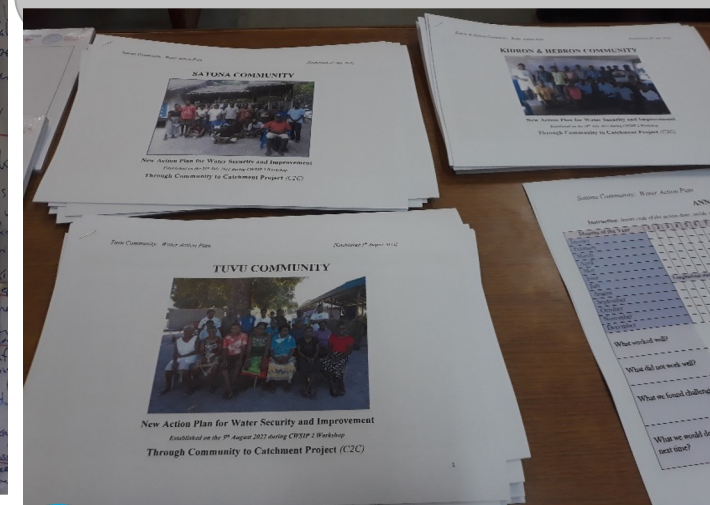
- ① Groundwater highly vulnerable to saltwater (sea)
- ② Saltwater damage water pipelines
- ③ Water supply system open to contamination
- ④ Water / water shortage
- ⑤ Community water supply system break
- ⑥ Lack of maintenance of water supply system.
- ⑦ Accumulation of sediments / dirties along the pipes +
- ⑧ Low water pressure

Activity 9
Possible Actions / Ideas

1. More pipeline system along the coast inland
2. Plan clean up programs to remove dirt, leaves or rubbish in and outside dam.
3. Construct proper covering for dam (lid).
4. Fencing of main dam area
5. Repair / fix any leakages along the water system. & stand taps.
6. Encourage everyone to work together to do maintenance.
7. Organise fundraising to pay for proper equipments or parts for maintenance work.
8. Seek experienced technical people to support / train participants on how to conduct maintenance of their water systems.
9. Encourage community to support water committee
10. Remind people to protect the water system and have a sense of ownership
11. Strengthen water committee by clarifying their roles & responsibility.
12. Strengthen community governance work together with water committee - organise work programs.
13. Water committee Establish a water supply maintenance regulations guidelines.
14. Inform people about the rules & guidelines - announce to people

TABLE 3 KIDRON-HEBRON

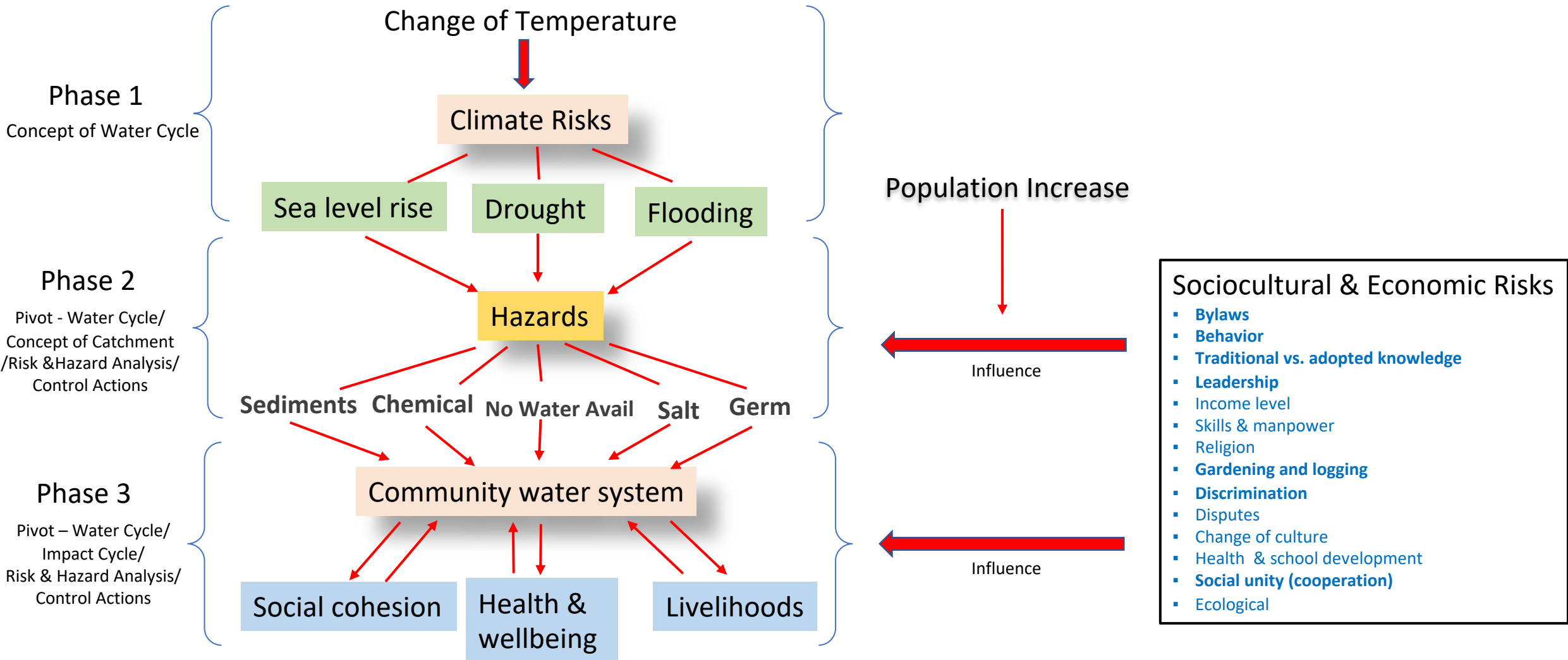
Actions (descriptions)	Water Contamination / Salinity	Water Shortage	Water Quality	Type of action	Who will do it?	When will it be done?	How often?	Status	Notes
1. Encourage every household without toilet to build an open pit latrine. Consider durable and clean.	Water Contamination / Salinity			Prevent	Community	Check water committee	Monthly	✓	Check water committee
2. Develop bylaw to protect catchment area from deforestation.	Water Contamination / Salinity			Prevent	Community	Check water committee	Monthly	✓	Check water committee
3. Inform nearby communities and visitors about bylaw reports from education within the water catchment area.	Water Contamination / Salinity			Prevent	Community	Check water committee	Monthly	✓	Check water committee
4. Cleaning of filter system and its surrounding area.	Water Contamination / Salinity			Maintain	Community	Check water committee	Monthly	✓	Check water committee
5. Emphasise on handwashing practices.	Water Contamination / Salinity			Prevent	Community	Check water committee	Monthly	✓	Check water committee
6. Build a new hardware water system (e.g. storage tank, pump, pipes, and standpipes).	Water Shortage			Improve	Community	Check water committee	Monthly	✓	Check water committee
7. Organise fundraising activities through local institutions, NGOs, government institutions, and private sector.	Water Shortage			Improve	Community	Check water committee	Monthly	✓	Check water committee
8. Cleaning and maintenance of the whole water system including its surrounding catchment and along the stream.	Water Shortage			Maintain	Community	Check water committee	Monthly	✓	Check water committee
9. Educate children about practices of using water wisely, reducing waste on the impact of deforestation along the water catchment area.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee
11. Encourage every household to ration water.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee
12. Provide family support to distribute water.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee
13. Have and protect alternative water source (e.g. rain water harvesting, boreholes).	Water Shortage			Improve	Community	Check water committee	Monthly	✓	Check water committee
14. Dig pits for water disposal and pit for public notice.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee
15. Establish youth committee for water maintenance.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee
16. Provide technical training to youth on water management.	Water Shortage			Improve	Community	Check water committee	Monthly	✓	Check water committee
17. Re-strengthening of animal bylaw to encourage animal husbandry.	Water Shortage			Prevent	Community	Check water committee	Monthly	✓	Check water committee



Step 3: Socializing of Action Plan - Celebration



Climate Change on Water System Concept



Thank you.
Tagio Tumas.

