GEO-UNESCO Joint Workshop on IWRM

What is IWRM (Integrated Water Resources Management)?

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Who am I ?

Policy-making

International ⟷ Domestic

Project implementation

Rules of this work shop

- ✔ Feel free when you consider your answer.
- ✔ Don’t think there is a right answer.
- ✔ Don’t be afraid to make mistakes.
- ✔ Don’t stick to your position.
- ✔ Forget ready-made ideas you have acquired.

Q1. What key word will come to your mind about IWRM?

Q2. Do you think IWRM is necessary for your river basin?

Q3. If necessary, why? If not, why?

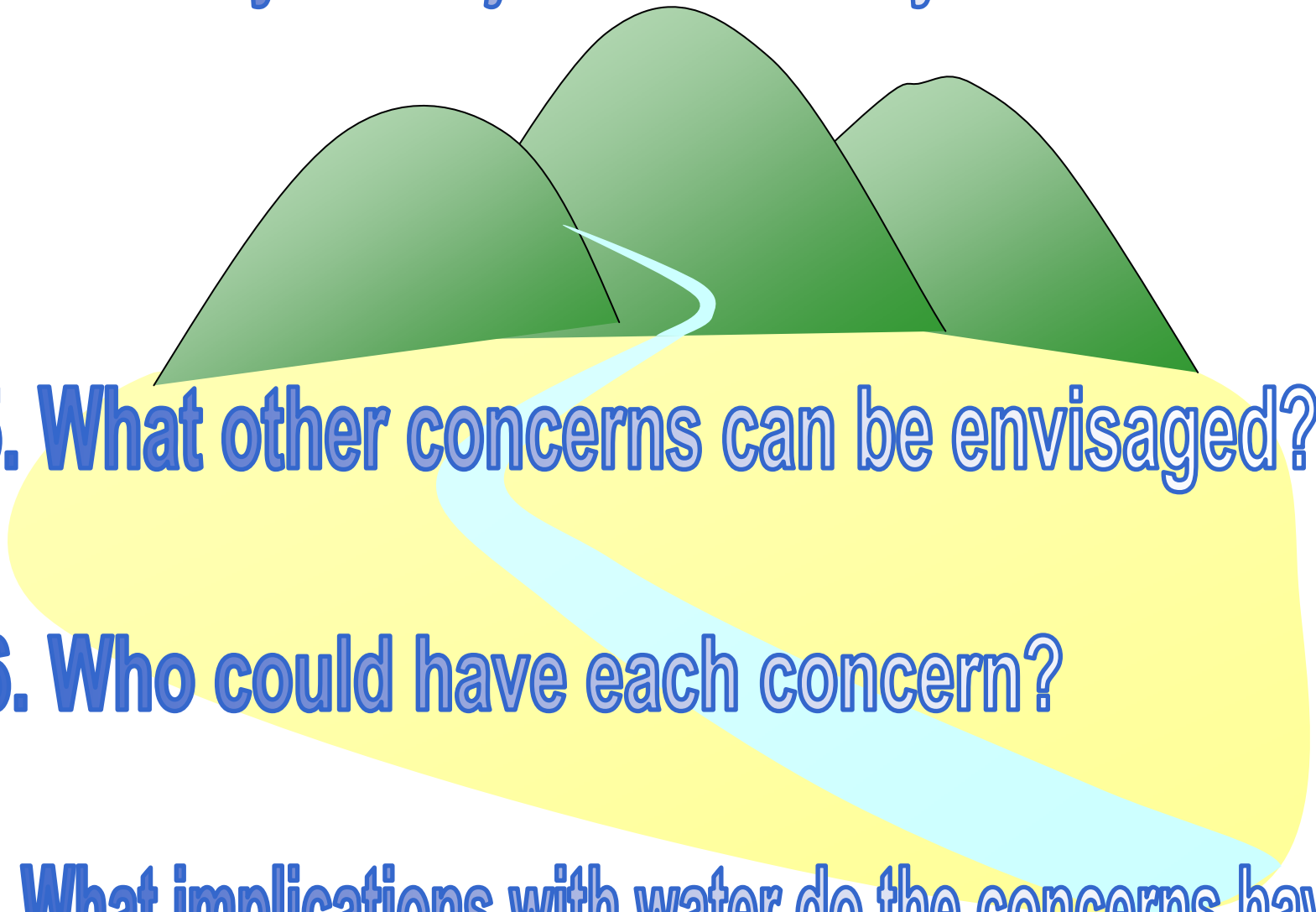
4 targets of this work shop

- ✔ to fully understand that IWRM is not a novel method and everybody can carry out it when he/she has a common sense
- ✔ to realize usefulness the IWRM Guidelines and to know how to use it.
- ✔ to experience this workshop by the prepared program and to evaluate applicability to your capacity building especially for younger staff
- ✔ to work out your own capacity building program based upon your experiences and evaluation

Approach to reach to the 4 targets

- ✔ to find out answers and solutions by the participants
- ✔ to experience various scenes of IWRM process by imaging the faced troubles and seeking out solutions, which actually occurred in other river basin in the past
- ✔ to work out your own capacity building program for better IWRM by sharing common issues of river basins in Africa and
  by focusing on your river basin issues

Q4. What is your major concern in your river basin?

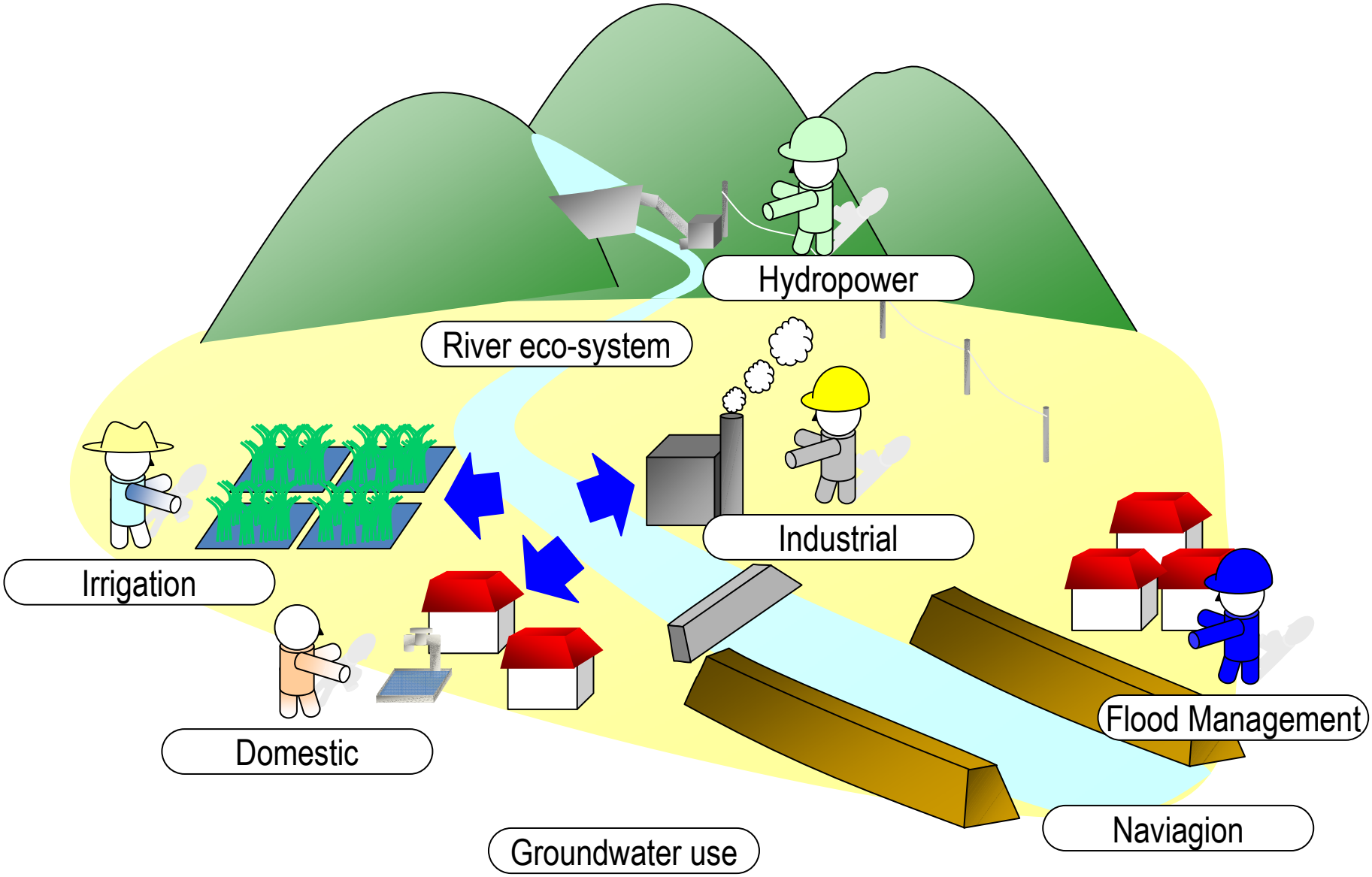


Q5. What other concerns can be envisaged?

Q6. Who could have each concern?

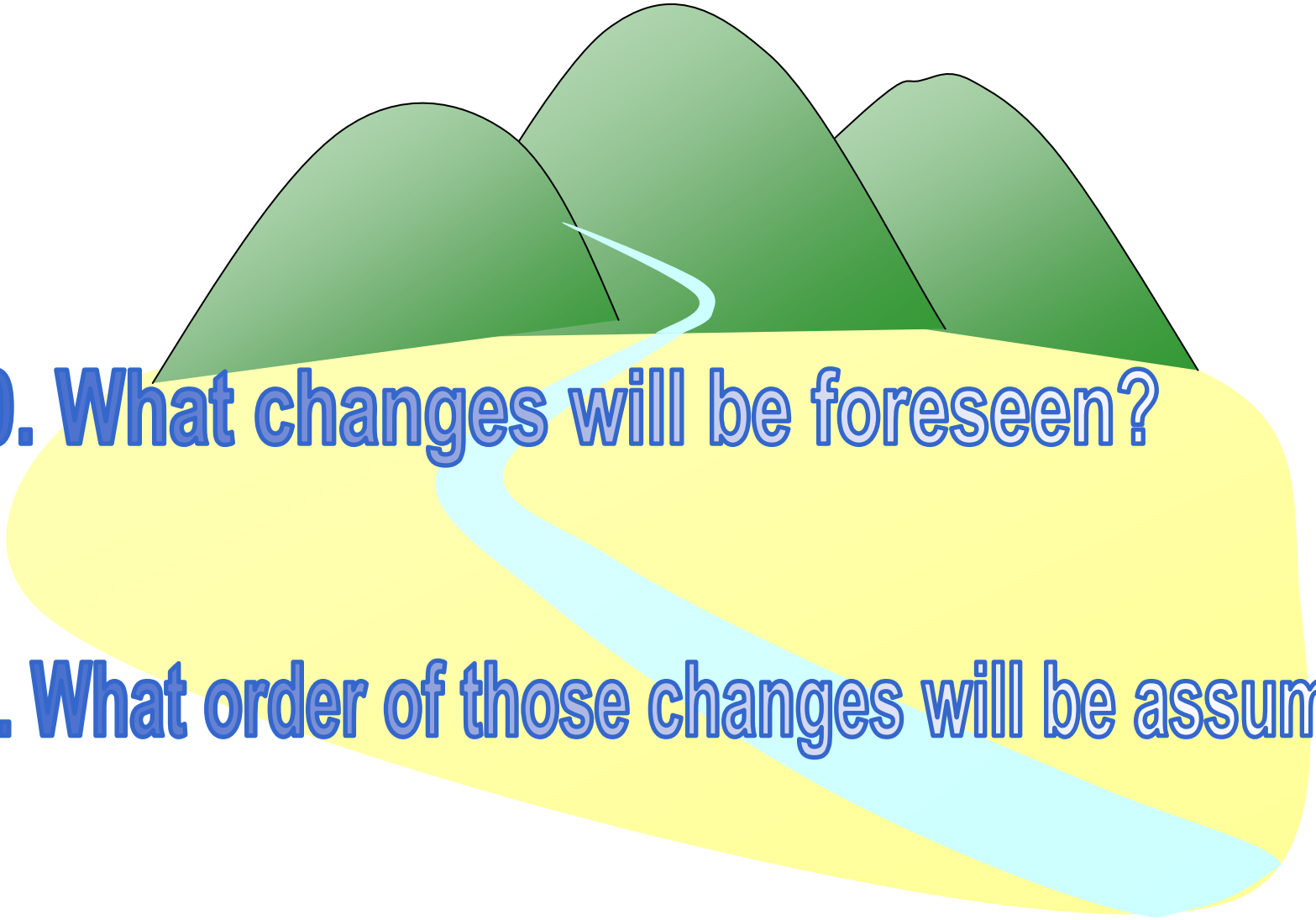
Q7. What implications with water do the concerns have?

Sectors related to water in a river basin



Q8. What is the ultimate goal to implement IWRM?

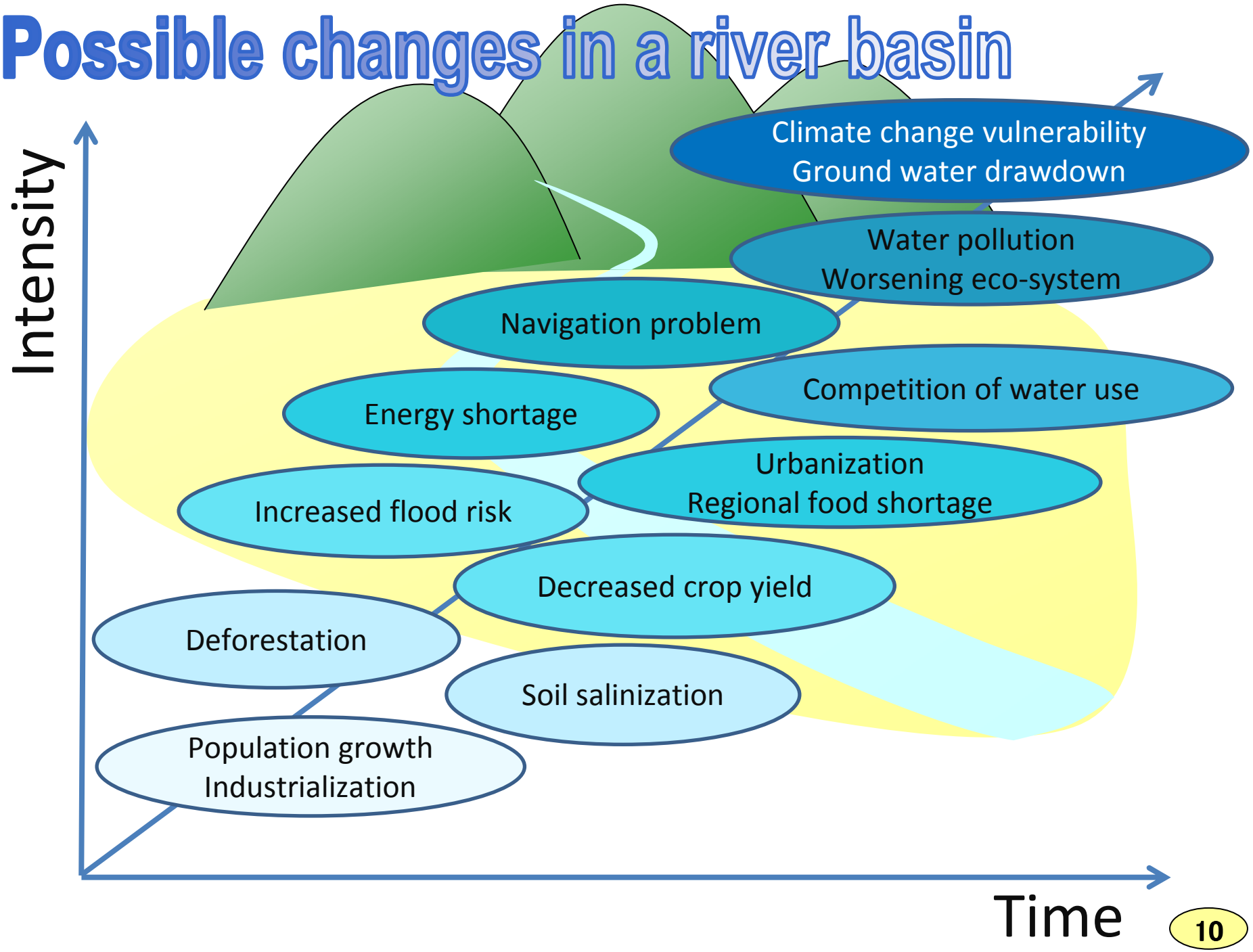
Q9. Do your concerns will change as time passes by?



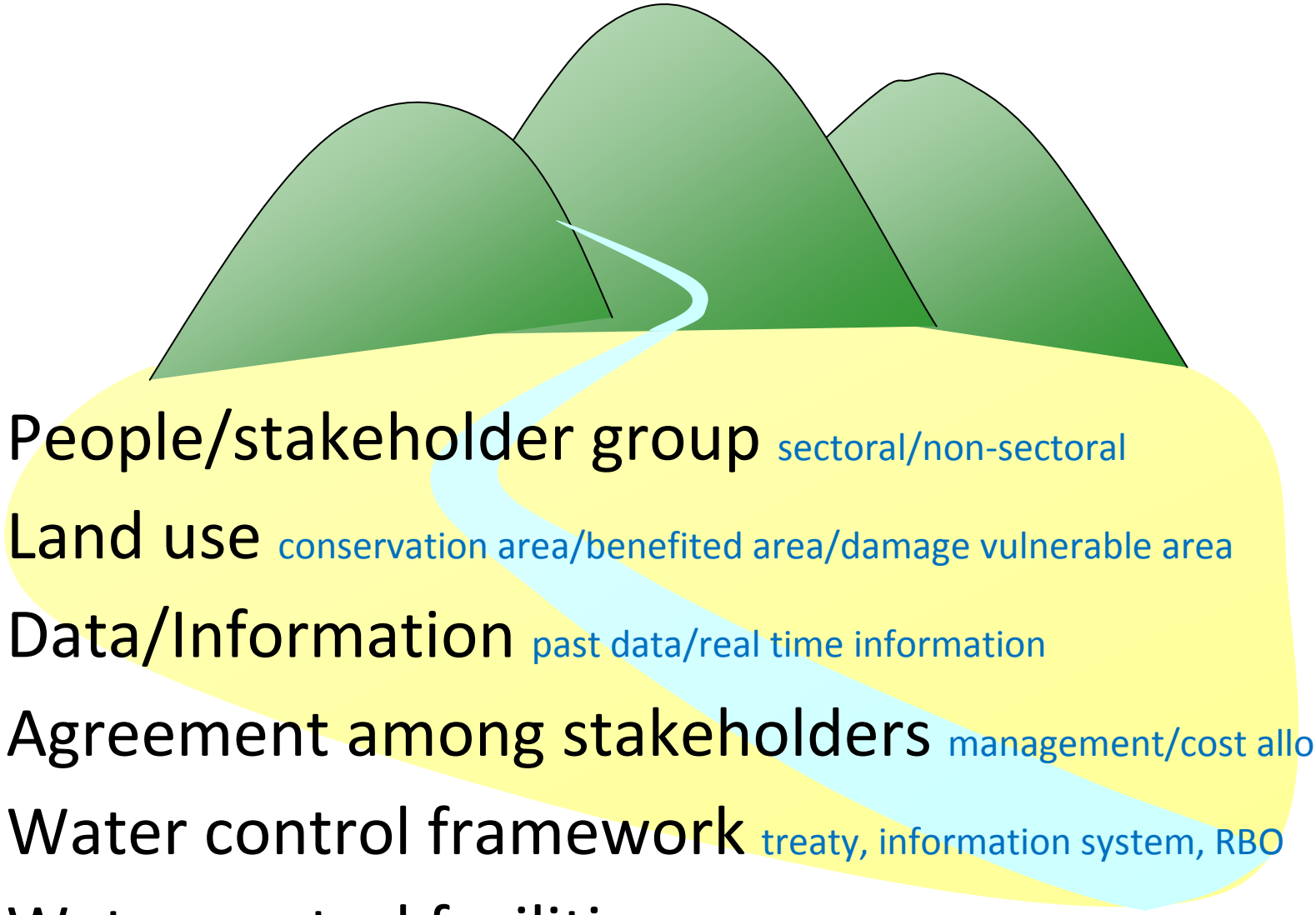
Q10. What changes will be foreseen?

Q11. What order of those changes will be assumed?

Possible changes in a river basin



Q12. What is required to implement IWRM?



1. People/stakeholder group sectoral/non-sectoral
2. Land use conservation area/benefited area/damage vulnerable area
3. Data/Information past data/real time information
4. Agreement among stakeholders management/cost allocation
5. Water control framework treaty, information system, RBO
6. Water control facilities gauge station, dams and weirs, canals

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1. People/stakeholder group sectoral/non-sectoral

Q13. Who speaks for silent majority?

2. Land use conservation area/benefited area/damage vulnerable area

3. Data/Information past data/real time information

Q14. How do you estimate past flood discharge without data?

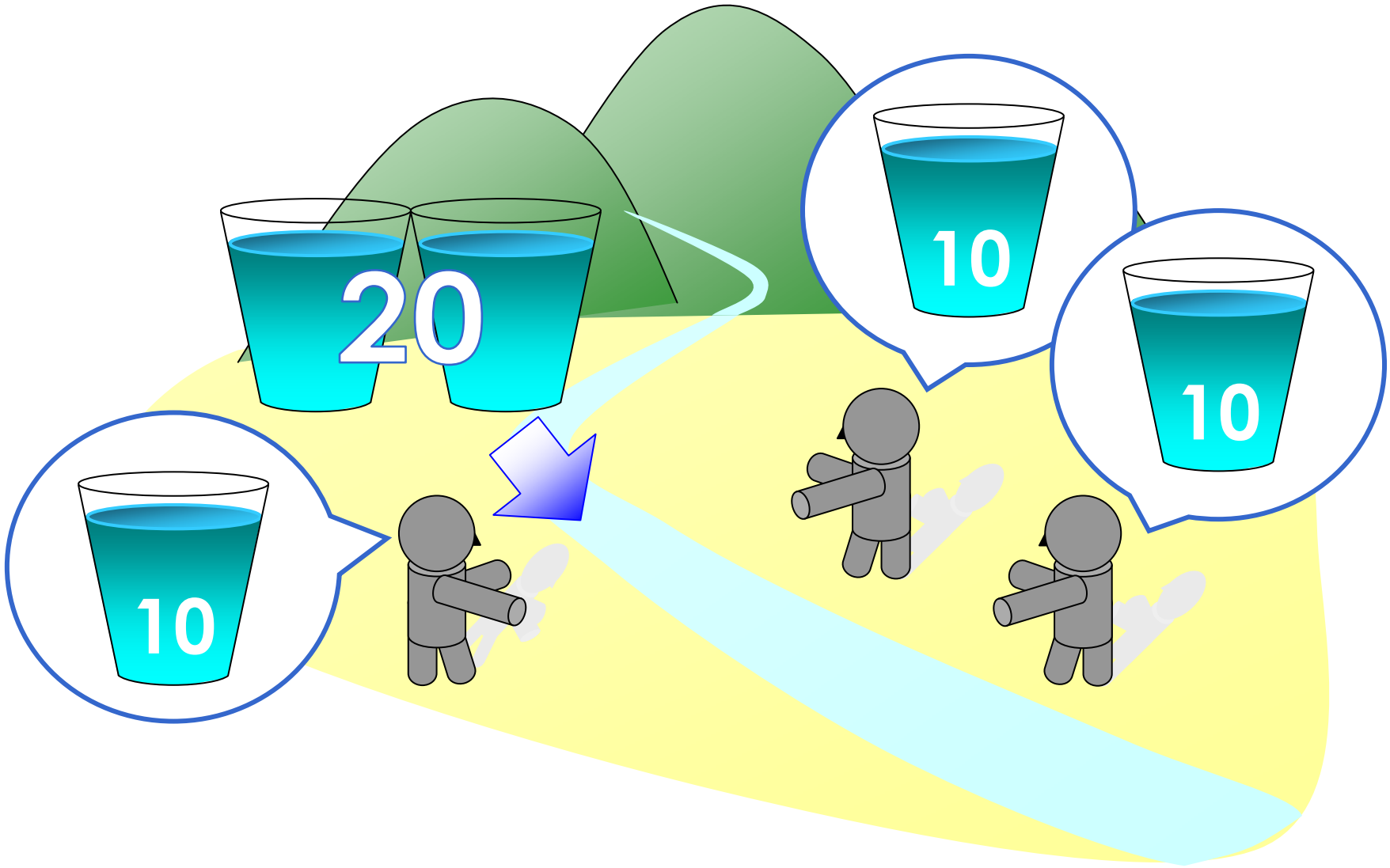
4. Agreement among stakeholders management/cost allocation

Q15. What hinders smooth agreement most?

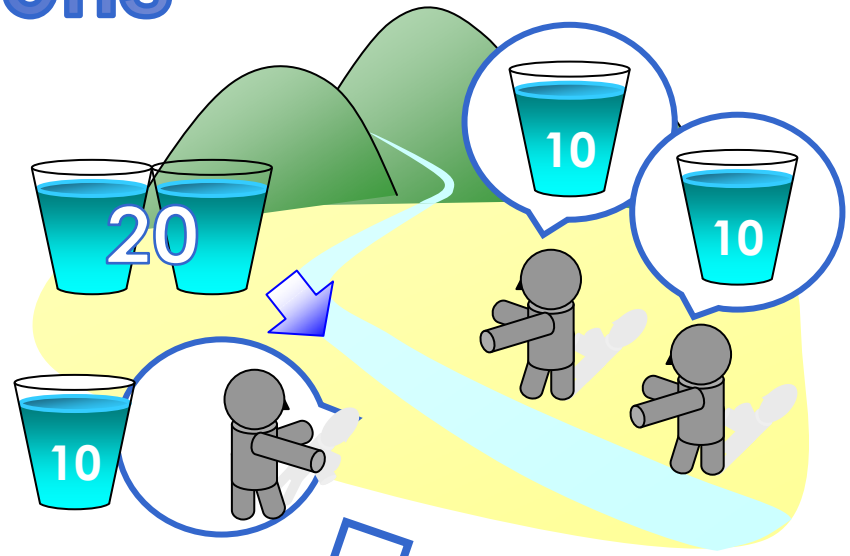
5. Water control framework treaty, information system, RBO

6. Water control facilities gauge station, dams and weirs, canals

Q16. How do you solve this problem?

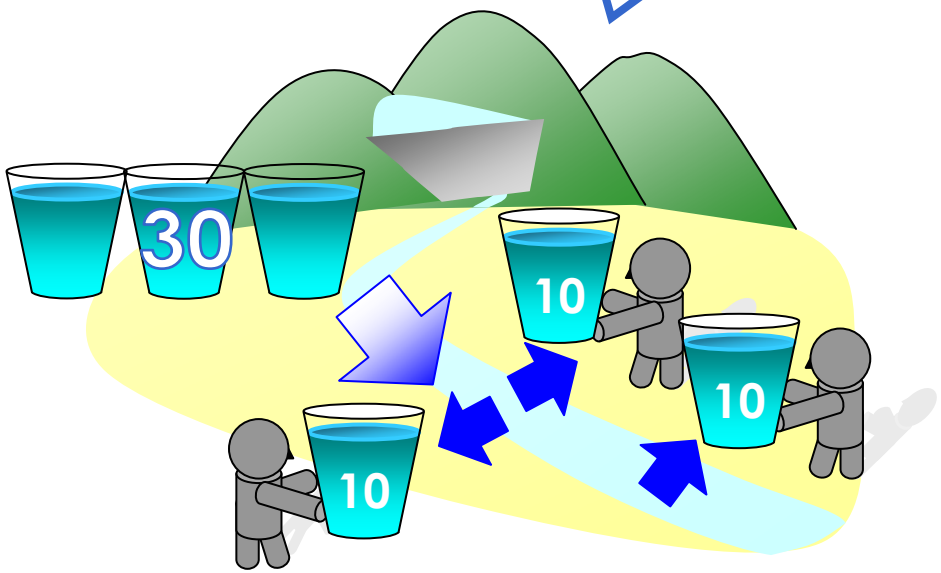


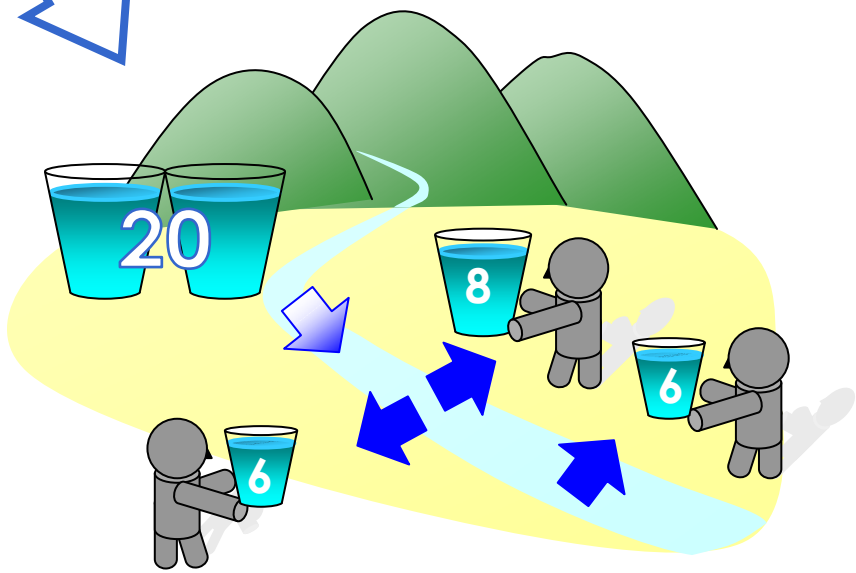
Solutions



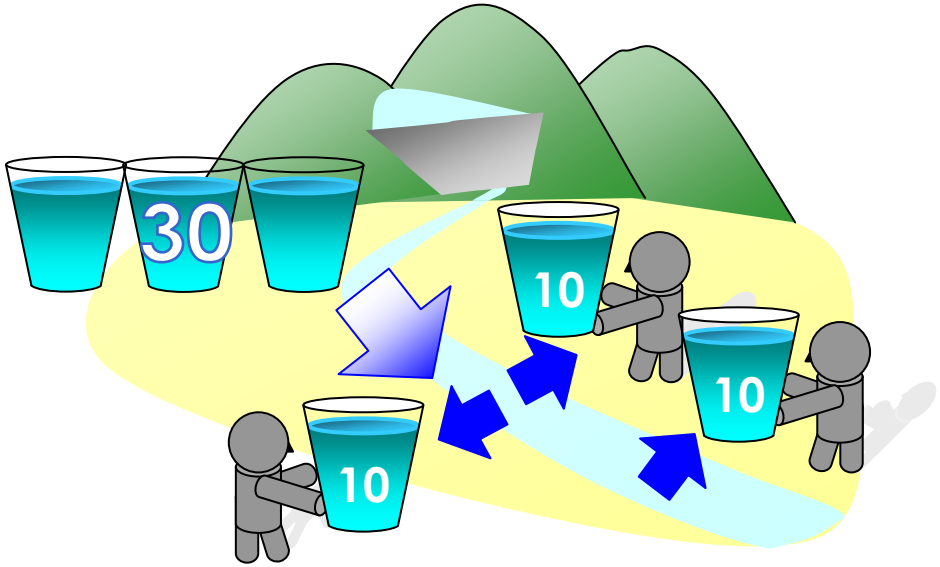
Other solutions

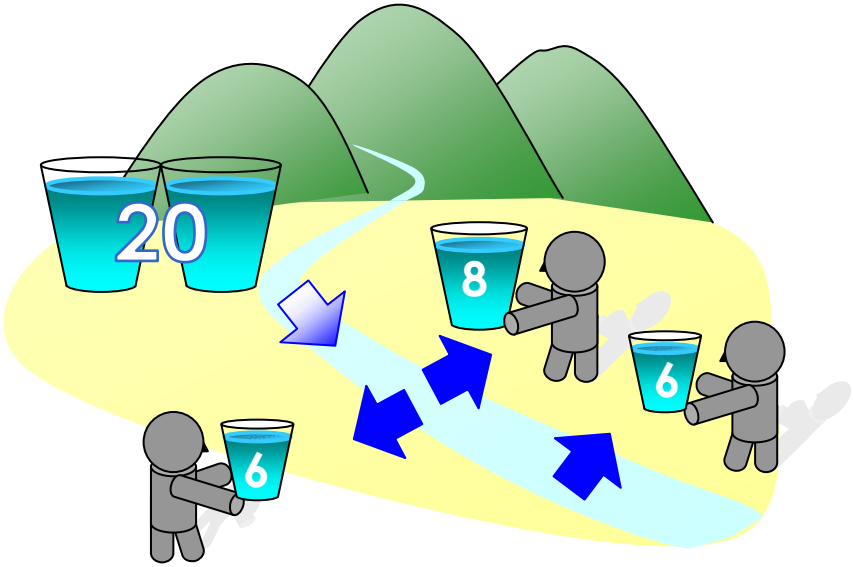
- Water diversion
- Rotational use
- Compensation





Q17. What conditions should be considered to select alternatives?





Time (Urgency)

Cost

Labor

Money (Resource)

Benefit

Environment

Consensus

⋮

IWRM Process

To recognize the existing situation

With whom is the information shared?

To draw up vision

Whose desire? What is the time span?

To consider possible solutions

What is the best solution?

To envisage expected hazard

Did you see from each stakeholder's standpoint?

To prepare keys for success

Does the key for success fit in well to the hazard at issue?

Q18. What is the major concern of your organization?

Q19. What is your major concern in your organization?

Thank you for your cooperation