

The Ostrom Design Principles for Long Enduring CPR Institutions

- 1. Clearly defined boundaries**
- 2. Congruence between appropriation/provision rules and local conditions**
- 3. Collective choice arrangements**
where most individuals affected by the operational rules can participate in modifying those rules
- 4. Monitors are accountable to the appropriators or are the appropriators**
- 5. Graduated sanctions**
- 6. Conflict-resolution mechanisms**
- 7. Minimal recognition of rights to organize**

Source: Ostrom, E. (1990): "Governing the Commons".

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The Ostrom-Principles in the Punata Irrigation System, Bolivia

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Punata

Principle of „Flexible consensus building“:

Consensus on particular actions is not arrived at primarily through rigid voting procedures, but through extensive communication and interpersonal contacts. This ensures that everybody can fully participate and feel involved.



The Ostrom-Principles in the Punata Irrigation System, Bolivia

Monitors are accountable to the appropriators or are the appropriators

Punata

Solemn **swearing-in ceremony** of the monitors.

The **principle of rotating tasks** (“cargos rotativos“):

Members of different age groups have to take on different tasks in the irrigation system.

This age-dependent rotation means that in the course of time everyone is familiarised with all the main tasks.

Thus, the danger of being manipulated by one or a few members who have pooled knowledge and experience can be avoided.>



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Minimal recognition of rights to organize

In Bolivia – especially in the present political context – Water user associations and irrigation communities have **far reaching autonomous authority** with respect to water management in irrigation.

Conclusions

- There are many examples of successful governance of **small CPRs** in irrigation that are in line with the Ostrom Principles and that are based on **primary group collective action**.
- The governance of **CPRs that are of larger scale** and subject to non-local influences is highly complex and requires a **mix of governance regimes and mechanisms**.
- Increasing resource scarcity and environmental / climate changes will require **adaptive governance** of CPRs.

Thank You