



Diagnostic Water Governance Tool

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Why another Governance Tool(box)?

- ▶ Implementation gap: real-world situations are quite complex.
- ▶ Existing governance toolboxes tend to be purely descriptive and offer no or only limited context-specific explanatory models
- ▶ It connects the diagnosis of the water governance regime in a certain region to possible solution strategies (focus on coordination and cooperation)

Diagnostic Water Governance Tool

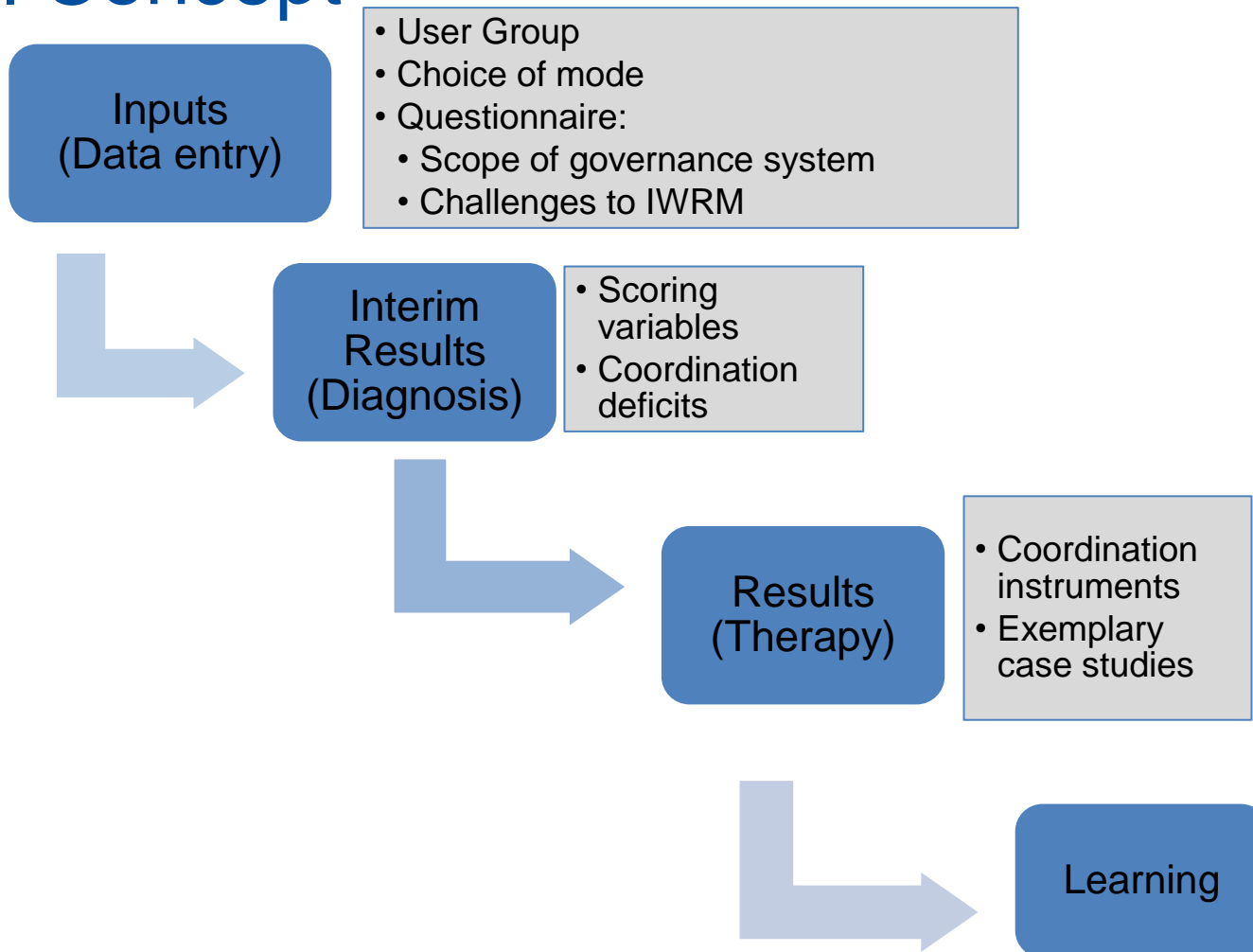
- ▶ Easy to use online tool to tackle case-specific water governance challenges following a diagnosis - therapy - learning approach.
- ▶ Helping users worldwide to analyze governance settings and to implement fitting governance innovations.

User groups

(in descending importance)

- ▶ **Actors on the regional level** (e.g. water associations, water management administrations, e.g. upper (and lower) water authorities, river basin administrations)
- ▶ **National administrations** (environmental agencies and ministries)
- ▶ **Scientists** (Universities, universities of applied sciences and research institutions that carry out governance analyses of river basins as part of projects and propose solution strategies)
- ▶ **International actors** (UN, World Bank), which are active in river basin management (and involved in implementing SDG 6).
- ▶ **Practitioners/Consultants** on national/ international/regional level (e.g. GFA, GIZ). This group overlaps in part with the international actors involved in river basin management.

Tool Concept



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Track selection

You Have Three Options To Complete The Tool That Differ In Terms Of How Many Questions They Entail. Would You Like To Enter Information In The The Advanced Or Fast Track Mode? *

If you choose to enter information in the advanced track, you will be asked additional questions to allow for a more in depth-understanding of your case study. The Research Track addresses users that

- Fast Track
- Advanced Track
- Research Track

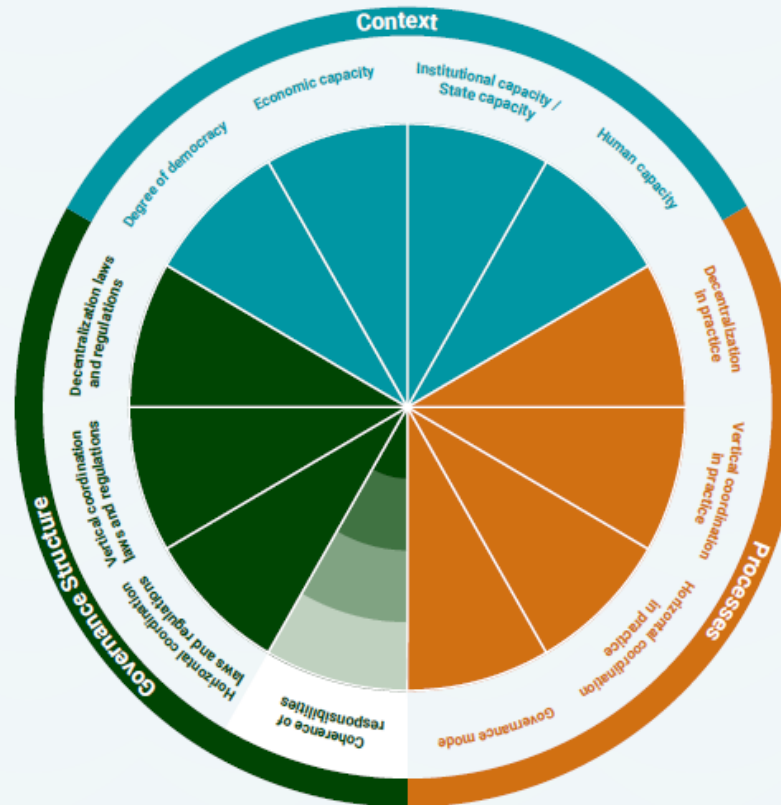
Would You Like The Information Provided Through You To Be Added In Our Case Study Database? *

If you agree to adding your entered information to our case study base, this information might be used for advancing future research on water governance topics. [add something on data handling!]

- Yes
- No

Next >

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Example: Diagnosis

The case study scores in the top third of the cases analyzed so far. The analysis has shown that problems are mainly due to VarX, VarY. Other relevant aspects are VarA, VarB.

Furthermore, there is a moderate conflict in the distribution of water resources.

Your governance system may have performance problems related to the existing weaknesses of the regulatory framework. Thus, the identified problems cannot necessarily be improved by additional coordination instruments. Among the proposed instruments, those that improve horizontal coordination may be most relevant.

Instruments with scores

Governance Level local national international transboundary

Governance Mode hierarchical market network hybrid

Instrument Nr.	Instrument Name		Instrument Score
90	National Water Act	[2, 2, 3, 0, 2] [0.7, 1.2, 1.2, 0.7, 0.3] [1.4, 2.4, 3.6, 0, 0.6]	Score:8.0 Rank: 1 Position: 1
38	Water agencies	[2, 2, 3, 0, 2] [0.7, 1.2, 1.2, 0.7, 0.3] [1.4, 2.4, 3.6, 0, 0.6]	Score:8.0 Rank: 1 Position: 2
87	Possibility to make a collaboration agreement between river basin organisation and Regional Government, local administration, or Irrigation Associations for the implementation of the respective competencies	[2, 3, 2, 0, 1] [0.7, 1.2, 1.2, 0.7, 0.3] [1.4, 3.6, 2.4, 0, 0.3]	Score:7.7 Rank: 3 Position: 3
37	Citizen boards	[2, 3, 2, 0, 1] [0.7, 1.2, 1.2, 0.7, 0.3] [1.4, 3.6, 2.4, 0, 0.3]	Score:7.7 Rank: 3 Position: 4
82	RBMP guideline	[2, 2, 3, 0, 1] [0.7, 1.2, 1.2, 0.7, 0.3] [1.4, 2.4, 3.6, 0, 0.3]	Score:7.7 Rank: 3 Position: 5

Factsheet (xx.01): Groundwater Users Association



Description

An association of all users (and NGOs) who meet regularly to discuss, coordinate and decide on management questions regarding their aquifer.

Function

The involvement of local actors and citizens is key for managing rivers in a sustainable way, better coordinating public action across levels of government and reducing conflicts at the local level. Widening public participation is seen as a mean to increase transparency of environmental policies and citizens' compliance with it. Transparency in the establishment of objectives, the imposition of measures and the reporting of standards is seen to empower citizens to influence the direction of environmental protection. (S.99, OECD Water Governance in OECD countries)

Water management topics addressed

Water pollution, over-abstraction, floods, droughts

Governance Level

Local

Governance challenges addressed

- Horizontal Coordination
- Decentralization
- Incoherence of sectoral policies

Case Study Example(s): Multi-stakeholder coordination in Baja California Sur, Mexico

The Santo Domingo aquifer (Baja California Sur) is a good example of successful multi-stakeholder coordination for water resources management. It gathers the local office of CONAGUA in Baja California Sur, the state government, the users association for livestock farming from the Santo Domingo Valley irrigation district, the local delegation of SAGARPA and the technical groundwater committees (COTAS –Comités Técnicos de Agua Subterráneas) to overcome the deterioration of water quality and the over-exploitation of groundwater. These issues have led to a crisis in the livestock farming sector, which is economically crucial to the region. In the absence of regulation for the management of groundwater volumes, key stakeholders organized to take action and mediate the use of water. Measures to improve the efficiency in water use through modernized irrigation techniques and capacity building of farmers have been taken, as well as efforts to collect storm water and recharge the aquifer. (OECD 2015)



Related instruments

- ◆ Citizen Boards (xx.02)
- ◆ Cooperatively organised water board (xx.03)

Source(s):

OECD (2015). Water Governance in Mexico.



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Interested to test the new STEER Diagnostic Water
Governance Tool?

Contact us: ulf.stein@ecologic.eu