Identifying regime transitions for water governance at a basin scale

# Introduction

# Results

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# Methods

When calculating the indicators (especially the SFV water stress index and the allocation entropy metric), we should use data at a lower (regional scale in this study) spatial scale. Therefore, we divide the YRB into four regions: source region (SR), upper region (UR), middle region (MR), and lower region (LR), according to characteristics and customary practices in the [6](#secA1). The formulation in detail for applying the SFV-index is available in the [7](#secA2). We used multiple sources of datasets in this study, *Appendix* [8](#secA3) introduces where they came from and how we harmonise them for analysis.

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# Declarations

* Funding
* Conflict of interest/Competing interests (check journal-specific guidelines for which heading to use)
* Ethics approval
* Consent to participate
* Consent for publication
* Availability of data and materials
* Code availability
* Authors’ contributions

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# YRB Regions

# SFV-index

![Figure 1: Numbers of new reservoirs in each year. ](data:application/pdf;base64,)

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![Figure 2: Sensitivity analysis of the threshold of p-values. A. number of breakpoints in different p-values, the scheme with two-breakpoints are the dominant situation. B. Threshold of p-values \alpha=0.0005. C. Threshold of p-values \alpha=0.05. ](data:application/pdf;base64,)

Figure 2: Sensitivity analysis of the threshold of p-values. **A.** number of breakpoints in different p-values, the scheme with two-breakpoints are the dominant situation. **B.** Threshold of p-values . **C.** Threshold of p-values .

# Datasets