

Results of the analysis with the reduced sample

To evaluate how the dominating model groups and application paper dominate the review results, we conducted a second analysis consisting only of publications adding structural change to a basic model version (as marked in the table with all included figures). Figure S1 shows the results for the World-Earth Model design principle analysis and table S2 shows the Jaccard similarities, for authors, keywords and references for the reduced dataset.

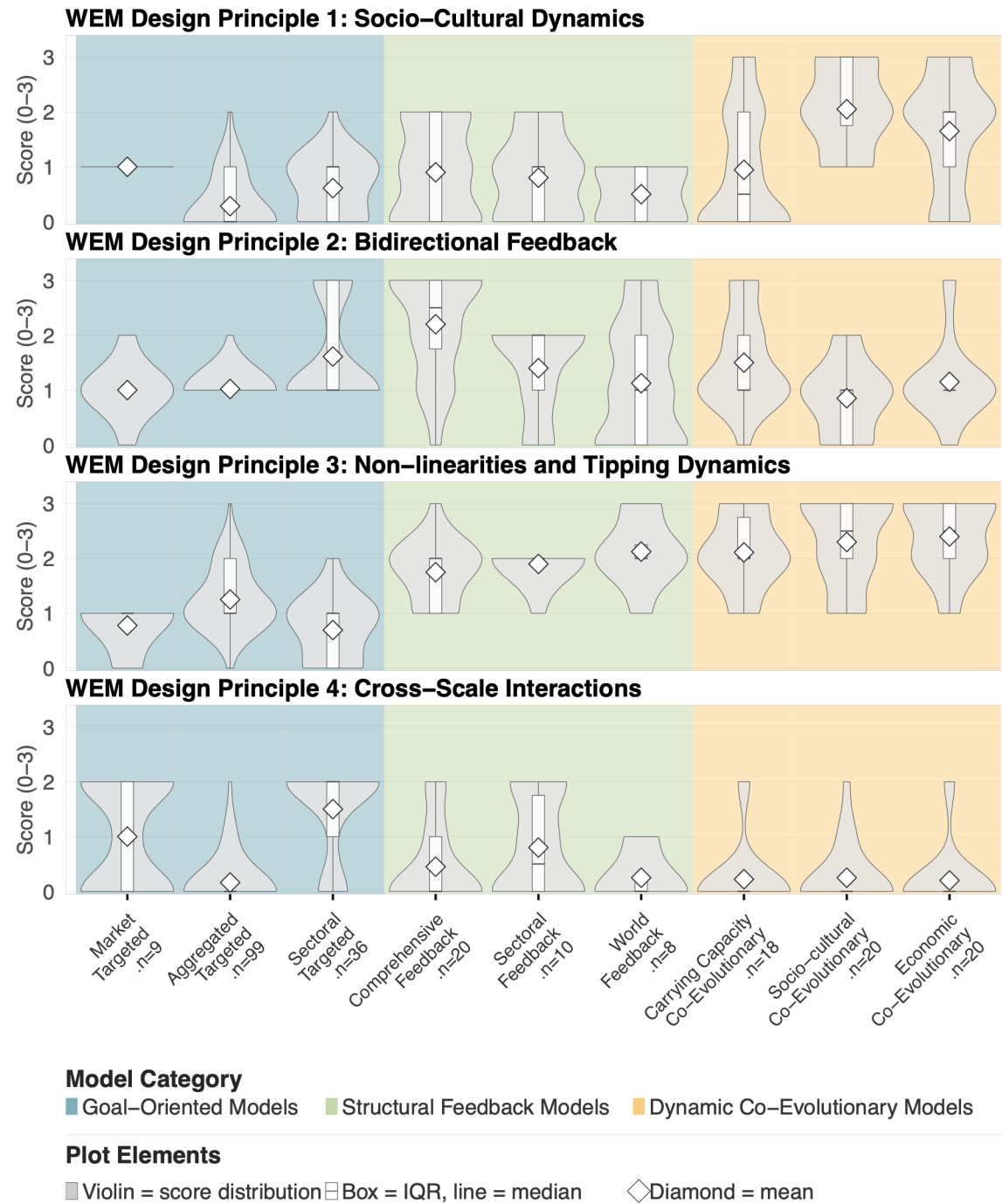


Figure S1: Overview of model groups and the degree to which they match the World-Earth Model design principles, according to the operationalization described in Table 1, reduced sample, only including models with structural contribution.

Table S2: Bibliometric analysis with the reduced sample

		Structural Feedback	Goal-Oriented	Dynamic Co-evolution
Jaccard Similarities References	Structural Feedback	1	0.029	0.036
	Goal-Oriented	0.029	1	0.039
	Dynamic Co-evolution	0.036	0.039	1
Jaccard Similarities Keywords	Structural Feedback	1	0.090	0.108
	Goal-Oriented	0.090	1	0.106
	Dynamic Co-evolution	0.108	0.106	1
Jaccard Similarities Authors	Structural Feedback	1	0.003	0.010
	Goal-Oriented	0.003	1	0.016
	Dynamic Co-evolution	0.010	0.016	1

Cross-paradigm authors:

Structural Feedback n Goal-Oriented: 2

Structural Feedback n Dynamic Co-evolution: 3

Goal-Oriented n Dynamic Co-evolution: 12

All three: 0