

Systematic Review on World-Earth Models: Used prompts and test results

1. Simulation model

Prompt: „Identify whether the abstract describes the use or description of a simulation model (including amongst others earth system models, system dynamic models and integrated assessment models) or not. Answer it in YES or NO or UNCLEAR“

Hannah	Luana		
		in	out
	in	20	0
	out	2	28
PO: 96 %, fE: 4 %, recall: 0,9			

Hannah	LLM		
		in	out
	in	20	0
	out	6	24
PO: 88 %, fE: 0 %, recall: 1			

Luana	LLM		
		in	out
	in	21	1
	out	5	23
PO: 92 %, fE: 2 %, recall: 0,95			

2. Human dimension NEW

Prompt: "Does the described simulation model include an endogenous subsystem that represents human or societal dynamics, such as aggregate economic activity, population growth, technological change, or collective decision-making, regardless of whether it simulates individuals or groups? Answer YES, NO, or UNCLEAR."

Hannah	Luana		
		in	out
	in	15	0
	out	2	27
PO: 95 %, fE: 4 %, recall: 0,88			

Hannah	LLM		
		in	out
	in	14	0
	out	1	31
PO: 98 %, fE: 2 0%, recall: 1			

Luana	LLM		
		in	out
	in	16	0
	out	o	27
PO: 100 %, fE: 0%, recall: 1			

3. Scale

Prompt: „The presented studies may operate on different spatial scales. Thy are local, if they operate on scales up to a country, global if they take the whole world into account and regional for everything between local and global. Identity the scale of the present study. Answer it in LOCAL, REGIONAL, GLOBAL, or UNCLEAR“

Hannah	Luana		
		in	out
	in	7	0
	out	0	32
PO: 100 %, fE: 0 %, recall: 1			

Hannah	LLM		
		in	out
	in	7	0
	out	0	36
PO: 100 %, fE: 0 %, recall: 1			

Luana	LLM		
		in	out
	in	7	0
	out	0	34
PO: 100 %, fE: 0 %, recall 1			

In = Global, out = Regional or Local