Supplementary Materials

Table S1. The PMC index model classification and parameter setting

Main indicators	Numbering	Sub-indicators	Numbering	Evaluation Criteria for sub-indicators
Policy nature	X1	Prediction	X1:1	Determine whether the policy is predictive; if it is, the score is 1; if not, the score is 0
		Supervision	X1:2	Determine whether the policy involves regulation; if it does, the score is 1; if not, the score is 0
		Suggestion	X1:3	Determine whether the policy has the recommended content; if it does, the score is 1; if not, the score is 0.
		Description	X1:4	Determine whether the policy has descriptive content; if it does, the score is 1; if not, the score is 0
		Guidance	X1:5	Determine whether the policy is instructive; if it is, the score is 1; if not, the score is 0.
Policy timeliness	X2	Long-term	X2:1	Determine whether the policy only involves long-term content (5 years and longer); if it does, the score is 1; if not, the score is 0
		Medium-term	X2:2	Determine whether the policy only involves medium-term content (3—5 years); if it does, the score is 1; if not, the score is 0.
		Short-term	X2:3	Determine whether the policy only involves short-term content (1—3 years); if it does, the score is 1; if not, the score is 0.
		Within one year	X2:4	Determine whether the policy is within one year; if it does, the score is 1; if not, the score is 0.
Policy evaluation	X3	Sufficient basis	X3:1	Determine whether the basis for policy formulation is sufficient; if it is, the score is 1; if not, the score is 0.
		Clear objectives	X3:2	Determine whether the goals set by the policy are clear; if they are, the score is 1; if not, the score is 0.
		Detailed measures	X3:3	Determine whether the plan for policy formulation is detailed; if it is, the score is 1; if not, the score is 0.
Incentives and constraints	X4	Financial support	X4:1	Determine whether the policy has financial support content; if it does, the score is 1; if not, the score is 0
		Legal support	X4:2	Determine whether the policy has legal support content; if it does, the score is 1; if not, the score is 0
		Tax deduction	X4:3	Determine whether the policy has tax deduction content; if it does, the score is 1; if not, the score is 0
		Talent support	X4:4	Determine whether the policy has talent support content; if it does, the score is 1; if not, the score is 0
		Infrastructure development	X4:5	Determine whether the policy has infrastructure development content; if it does, the score is 1; if not, the score is 0
		Punishment	X4:6	Determine whether the policy has punishment content; if it does, the score is 1; if not, the score is 0
Policy area	X5	Economic	X5:1	Determine whether the policy involves the economic field; if it does, the score is 1; if not, the score is 0.
		Environment	X5:2	Determine whether the policy involves the environment field; if it does, the score is 1; if not, the score is 0.

		Society	X5:3	Determine whether the policy involves the social field; if it does, the score is 1; if not, the score is 0.
		Market	X5:4	Determine whether the policy involves the market field; if it does, the score is 1; if not, the score is 0.
		Industry	X5:5	Determine whether the policy involves the industry field; if it does, the score is 1; if not, the score is 0.
Policy receptor	X6	Central Ministry	X6:1	Determine whether the policy recipient involves central ministries; if it does, the score is 1; if not, the score is 0.
		Provincial Government	X6:2	Determine whether the policy recipient involves provincial governments; if it does, the score is 1; if not, the score is 0.
		Local Government	X6:3	Determine whether the policy recipient involves local governments; if it does, the score is 1; if not, the score is 0.
		Company and Individual	X6:4	Determine whether the policy recipient involves companies and individuals; if it does, the score is 1; if not, the score is 0.
Policy approach	X7	Mandatory	X7:1	Determine whether the policy is mandatory; if it does, the score is 1; if not, it is 0.
		Motivating	X7:2	Determine whether the policy is motivating; if it does, the score is 1; if not, it is 0.
		Service-oriented	X7:3	Determine whether the policy is service-oriented; if it does, the score is 1; if not, it is 0.
Policy releaser	X8	The State Council of the PRC	X8:1	Determine whether the policy is released by the State Council of the PRC releases; if it does, the score is 1; if not, the score is 0.
		The State Ministries and Commissions of the PRC	X8:2	Determine whether the policy is released by the State Ministries and Commissions of the PRC; if it does, the score is 1; if not, the score is 0.
		The National People's Congress of the PRC	X8:3	Determine whether the policy is released by the National People's Congress of the PRC; if it does, the score is 1; if not, the score is 0.
Policy focus	X9	Energy development	X9:1	Determine whether the policy includes the energy development topic; if it does, the score is 1; if not, the score is 0.
		Institution construction	X9:2	Determine whether the policy includes the institution construction topic; if it does, the score is 1; if not, the score is 0.
		Technology innovation	X9:3	Determine whether the policy includes the technology innovation topic; if it does, the score is 1; if not, the score is 0.
		Electricity production	X9:4	Determine whether the policy includes the electricity production topic; if it does, the score is 1; if not, the score is 0.
		Climate change	X9:5	Determine whether the policy includes the climate change topic; if it does, the score is 1; if not, the score is 0.
Policy accessible	X10			Determine whether the policy is available on the government website

Table S2. Multi-input/output table for all policies (P1 to P22).

		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22
X1	X1.1	1	0	0	1	1	0	1	1	0	0	1	1	0	1	1	1	1	0	1	1	0	1

	X1.2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1
	X1.3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	X1.4	0	1	1	0	1	1	1	1	1	0	1	0	0	1	1	1	1	0	0	1	1	1
	X1.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X2.1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1
X2	X2.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X2.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X2.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X3.1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
X3	X3.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
	X3.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X4.1	1	0	0	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1
	X4.2	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	0	0	0	0	0	0
X4	X4.3	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	0	0	0	1	0	1	0
	X4.4	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	0	1	1
	X4.5	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	X4.6	1	1	0	1	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	X5.1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
	X5.2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
X5	X5.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
	X5.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X5.7	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1
	X6.1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	0	0	1	0	0	0	0	1
X6	X6.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X6.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X6.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X7.1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1
X7	X7.2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1
	X7.3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X8.1	1	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
X8	X8.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X8.3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	X9.1	1	1	1	1	1	1	0	1	0	0	0	1	0	1	1	1	0	0	0	0	1	1
	X9.2	1	0	1	0	0	1	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1
X9	X9.3	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
	X9.4	1	1	1	1	0	1	0	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1
	X9.5	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0
X10	X10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

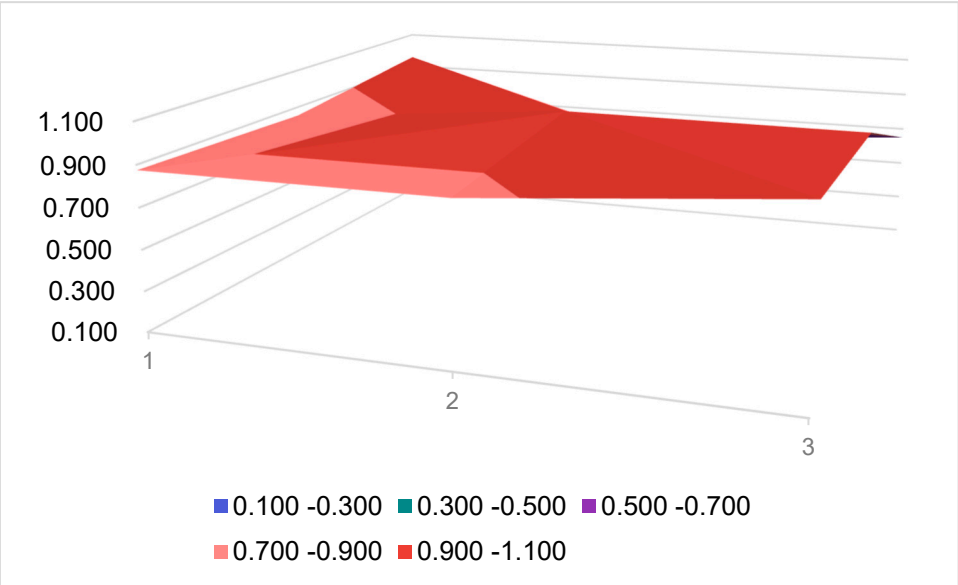


Fig. S1 the PMC surface of landscape policy

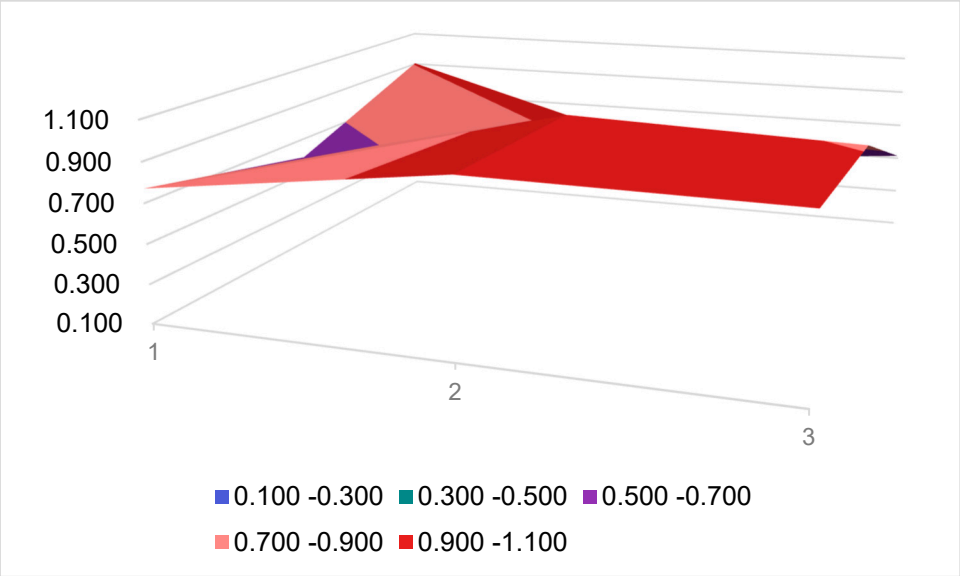


Fig. S2 the PMC surface of regime policy

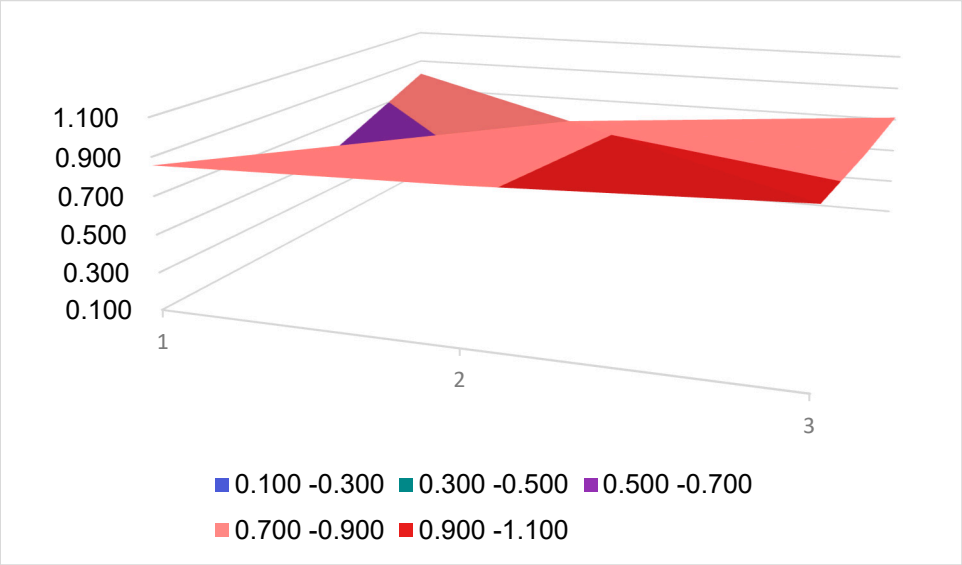


Fig. S3 the PMC surface of niche policy

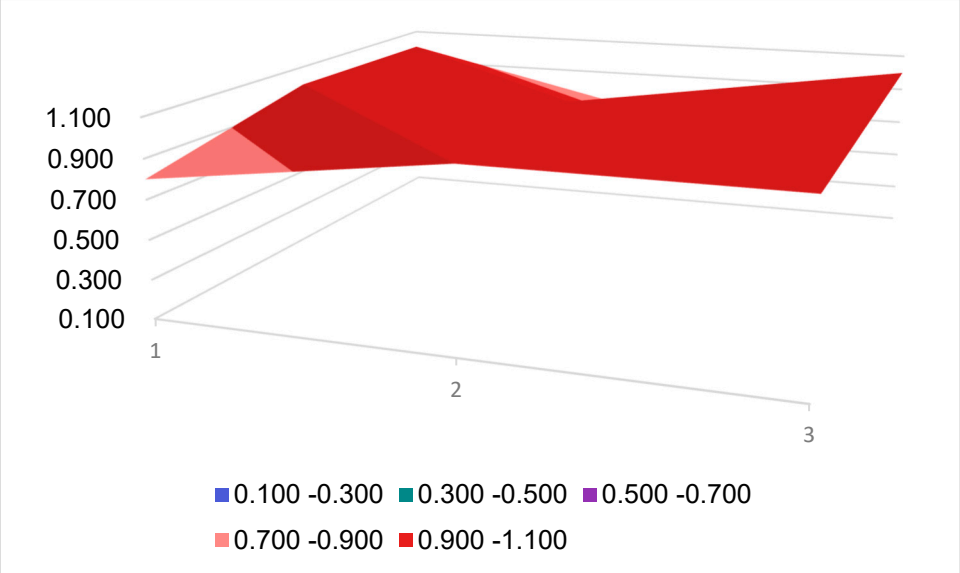


Fig. S4 the PMC surface of policy P6

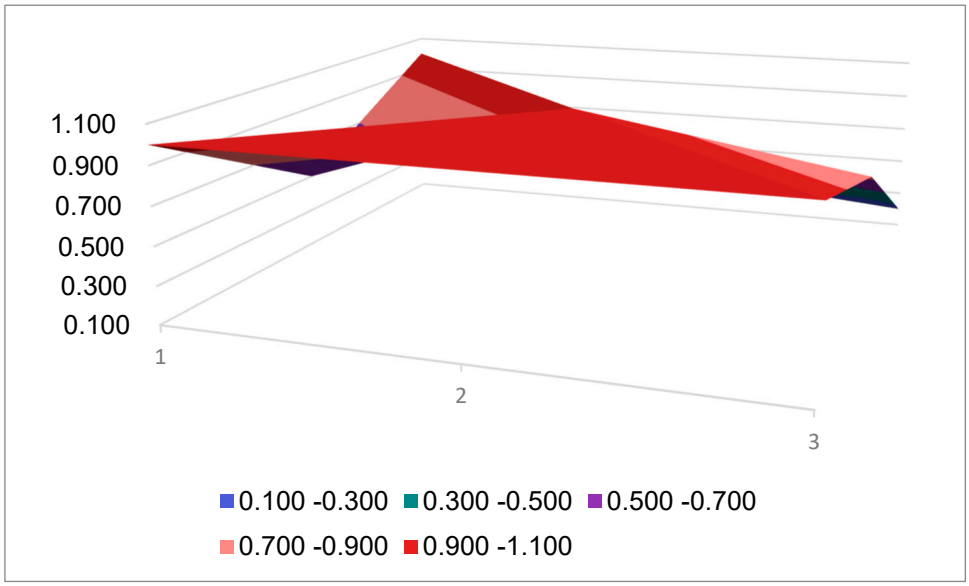


Fig. S5 the PMC surface of policy P7

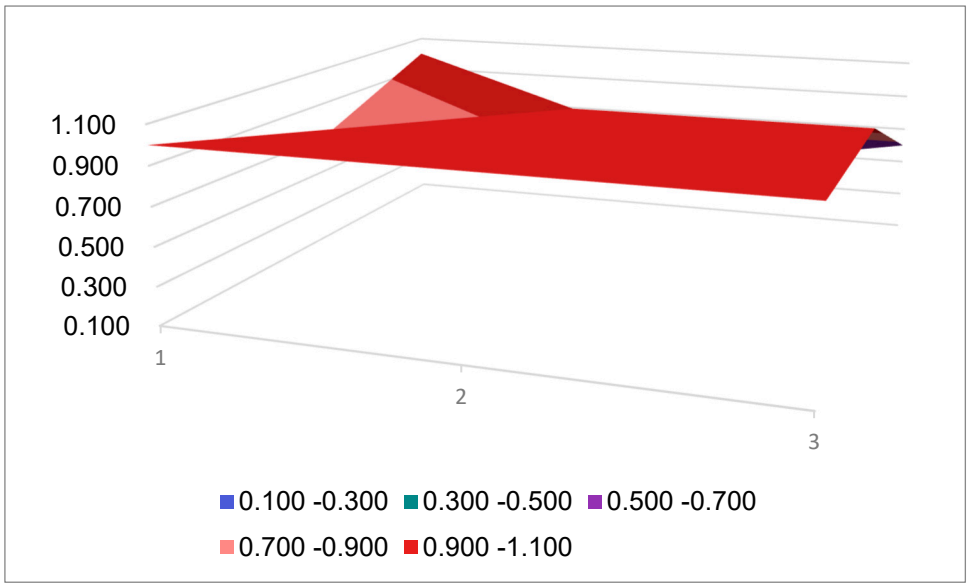


Fig. S6 the PMC surface of policy P11

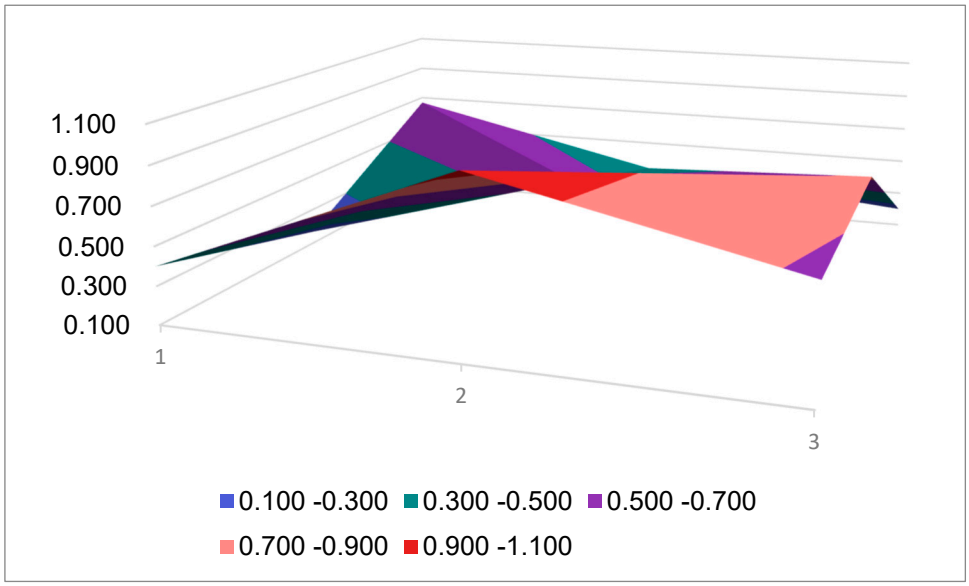


Fig.S7 the PMC surface of policy P13

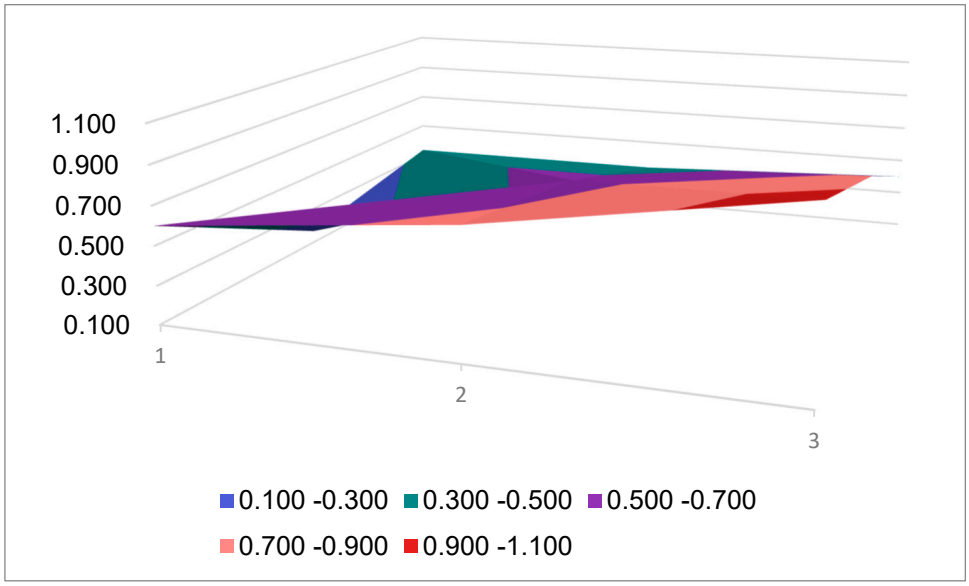


Fig. S8 the PMC surface of policy P18

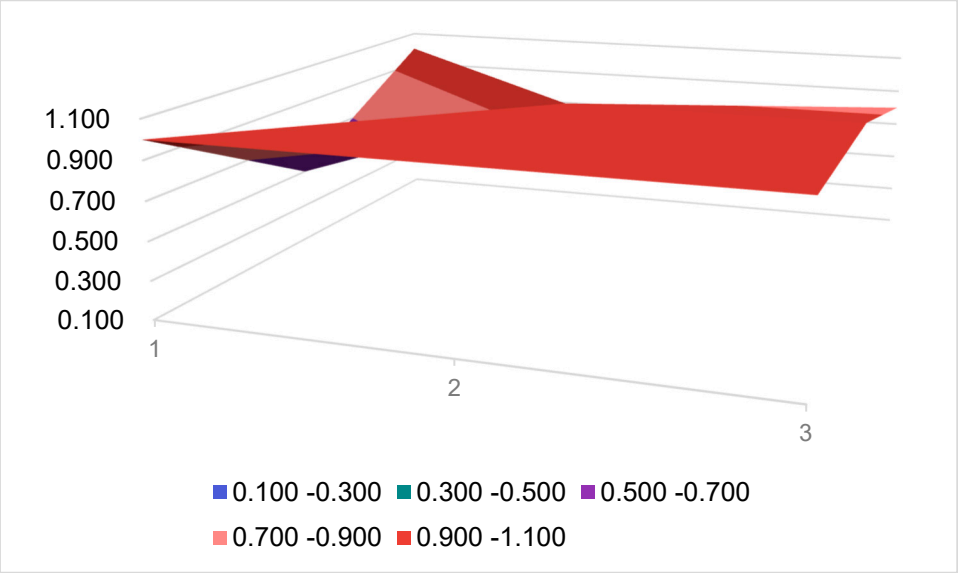


Fig. S9 the PMC surface of policy P22