

Table 3 Calculation of Convergence Scores

Similarity Score for Policy-Presence and Instruments Dimension	(1)  (2)	$SP_{x, \underline{AB}} = 1 \Leftrightarrow P_{x,A} = P_{x,B} > 0$ $SP_{x, \underline{AB}} = 0 \Leftrightarrow P_{x,A} \neq P_{x,B} > 0$ $SI_{y, \underline{AB}} = 1 \Leftrightarrow I_{y,A} = I_{y,B} > 0$ $SI_{y, \underline{AB}} = 0 \Leftrightarrow I_{y,A} \neq I_{y,B} > 0$
<p><math>SP_x</math> refers to the similarity of policy <math>x</math>, <math>SI_y</math> to the similarity of instrument <math>y</math>, <math>P_x</math> to the presence of policy <math>x</math> and <math>I_y</math> to the instrument <math>y</math>, and <math>\underline{AB}</math> to the dyad of countries A and B.</p>		
Similarity Score for Settings Dimension	(3)	$SS_{z, \underline{AB}} = 1 - \frac{ S_{z,A} - S_{z,B} }{S_{z,90} - S_{z,10}}$
<p>where <math>SS_z</math> is the similarity of setting <math>z</math>, <math>S_{z,A}</math> and <math>S_{z,B}</math> the level of policy setting <math>z</math> for countries A and B and <math>S_{z,90}</math> and <math>S_{z,10}</math> the 90% and the 10% quantile of the empirical distribution of setting <math>z</math> in the sample.</p>		
Calculation of Convergence Scores	(4)	$CP_{x \Delta t1; \underline{AB}} = SP_{x,t1; \underline{AB}} - SP_{x,t0; \underline{AB}}$ $CI_{y \Delta t1; \underline{AB}} = SI_{y,t1; \underline{AB}} - SI_{y,t0; \underline{AB}}$ $CS_{z \Delta t1; \underline{AB}} = SS_{z,t1; \underline{AB}} - SS_{z,t0; \underline{AB}}$
<p>where <math>CP_x</math> is the convergence of policy <math>x</math>, <math>CI_y</math> the convergence of instrument <math>y</math> and <math>CS_z</math> the changes in similarity scores of setting <math>z</math>, <math>SP_{x,t1(t0)}</math>, <math>SI_{y,t1(t0)}</math>, <math>SS_{z,t1(t0)}</math>, similarity scores at <math>t_1</math> (<math>t_0</math>) and <math>\Delta t_1</math> the period between <math>t_0</math> and <math>t_1</math>.</p>		
Aggregation of Convergence Scores	(5)	$\sum_{x1}^{xn} CP_{xi, \Delta t1; \underline{AB}} = \frac{\sum_{x1}^{xn} SP_{xi, t1; \underline{AB}} - SP_{xi, t0, \underline{AB}}}{n - k}$ $\sum_{y1}^{yn} CI_{yi, \Delta t1; \underline{AB}} = \frac{\sum_{y1}^{yn} SI_{yi, t1; \underline{AB}} - SI_{yi, t0, \underline{AB}}}{n - k}$ $\sum_{z1}^{zn} CS_{zi, \Delta t1; \underline{AB}} = \frac{\sum_{z1}^{zn} SS_{zi, t1; \underline{AB}} - SS_{zi, t0, \underline{AB}}}{n - k}$
<p>where <math>n</math> is the size of the subgroup of policies <math>x_i</math>, instruments <math>y_i</math>, and settings <math>z_i</math> and <math>k \in \{1, 2, \dots, n\}</math> is the number of policies, instruments, or settings with <math>SP_{xi, t0; \underline{AB}} = SP_{xi, t1; \underline{AB}} = 1</math> (<math>SI_{yi, t0; \underline{AB}} = SI_{yi, t1; \underline{AB}} = 1</math> or <math>SS_{zi, t0; \underline{AB}} = SS_{zi, t1; \underline{AB}} = 1</math>). The difference is weighted not by the number of policy items but with the factor <math>1/(n-k)</math>.</p>		