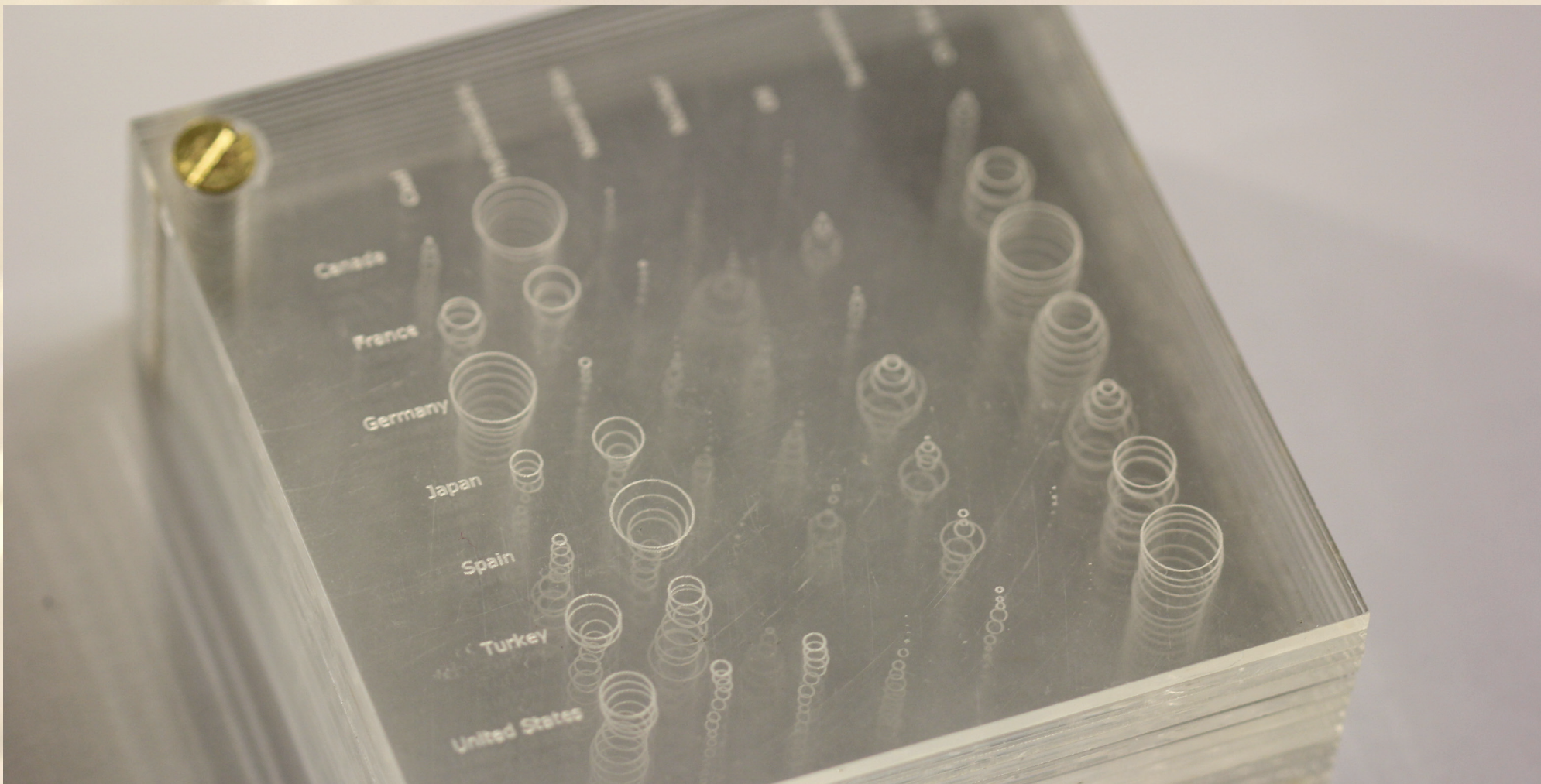
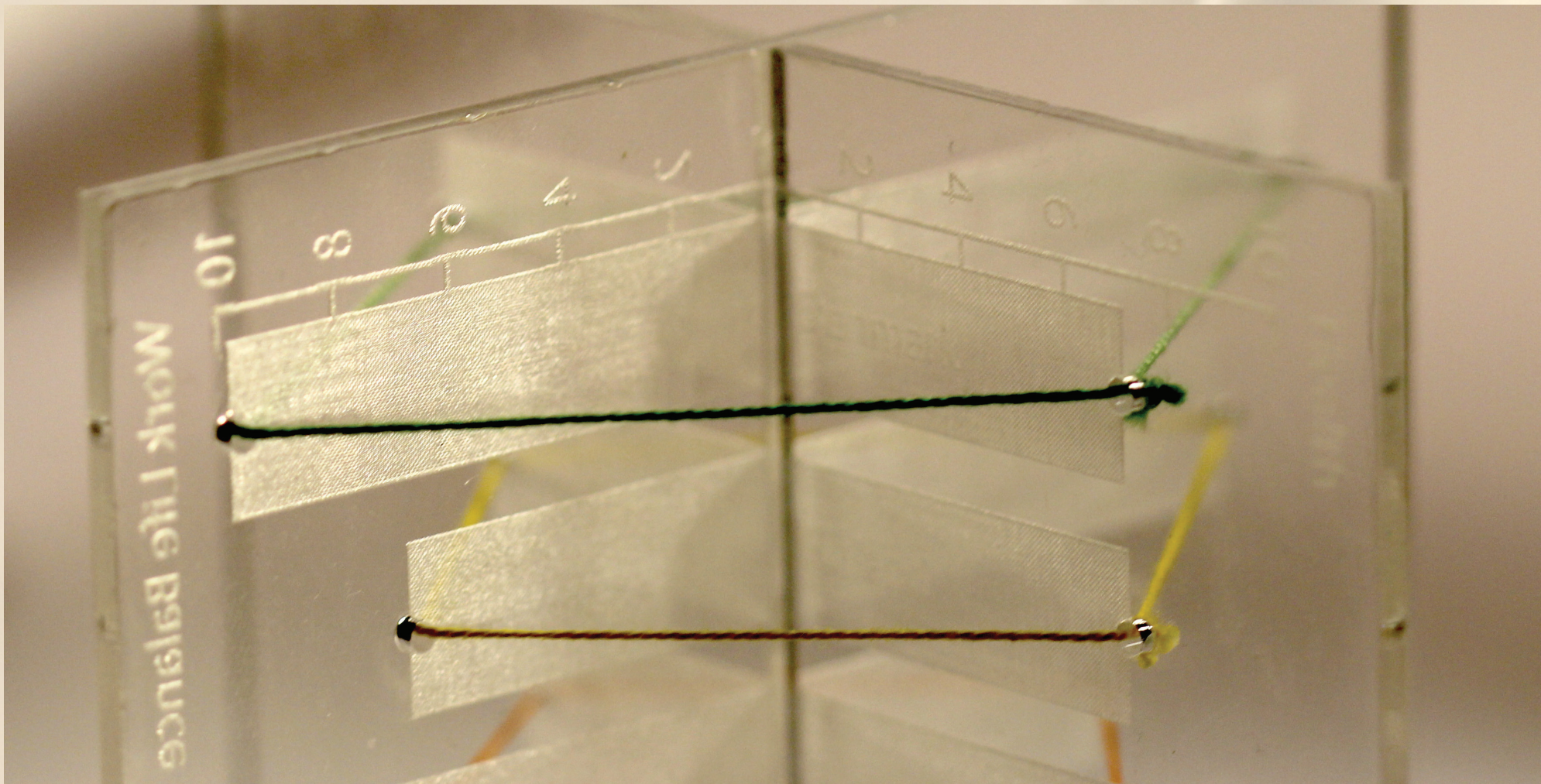
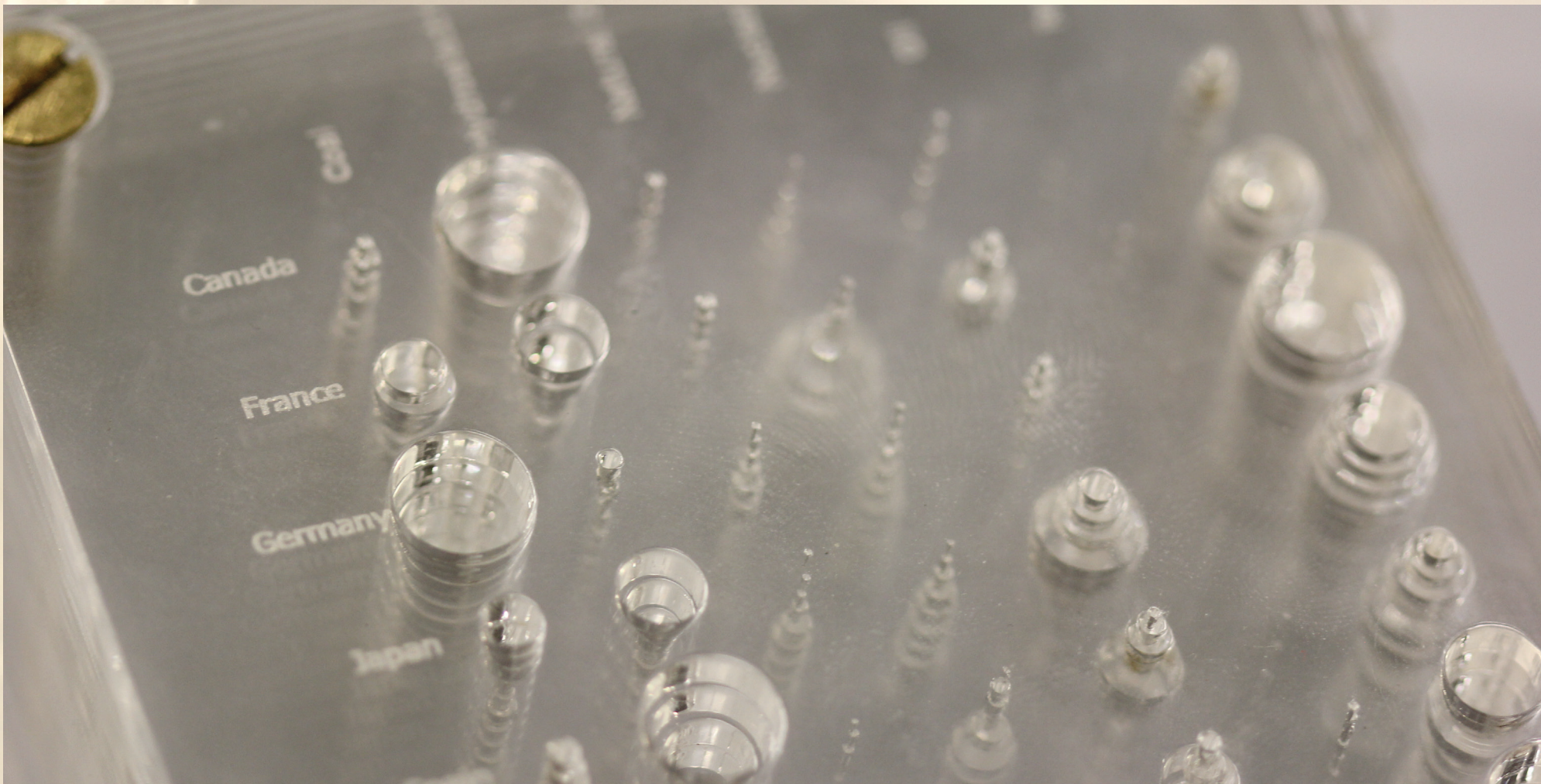
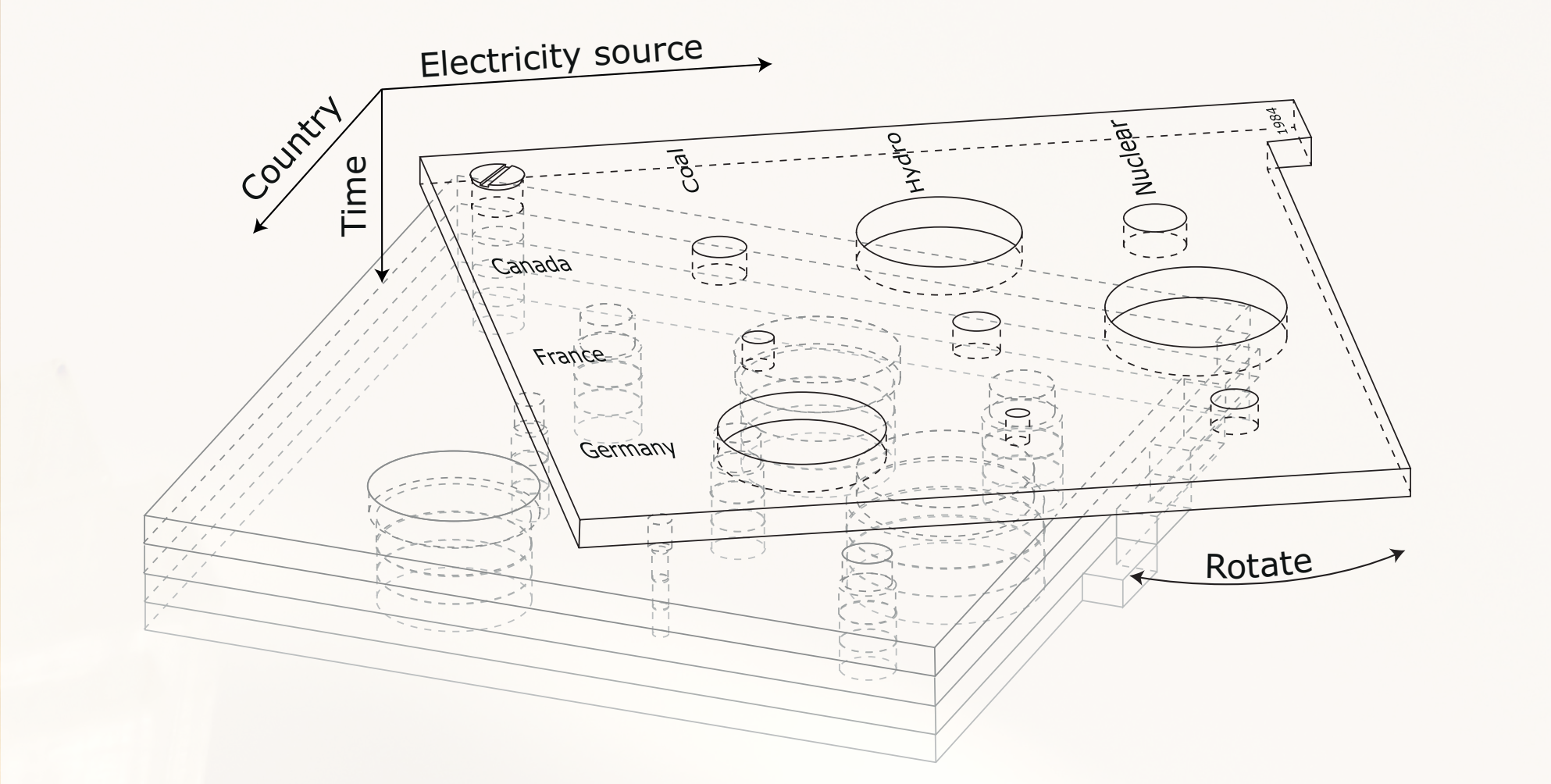


Can Physical Visualizations Support Analytical Tasks?

We present our early experiments in designing physical visualizations for supporting data analysis.

Based on Amar’s taxonomy of analytical tasks we show that physical visualizations can support a number of analytical activities but that further research is needed to support all activities.



Support of analytical tasks by four physical visualizations:

	Retrieve Value	Filter	Compute Derived Value	Find Extremum	Sort	Determine Range	Characterize Distribution	Find Anomalies	Cluster	Correlate
Layered 2D Plot	+	+	-	++	+	+	++	+++	+	++
Layered Star Plot	++	+	-	+++	+	++	++	+++	+	++
Thread Star Plot	+++	++	-	+++	++	++	++	+++	+	++
Bertin's Matrices	+++	+++	-	+++	++	+++	+	+++	+++	++



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