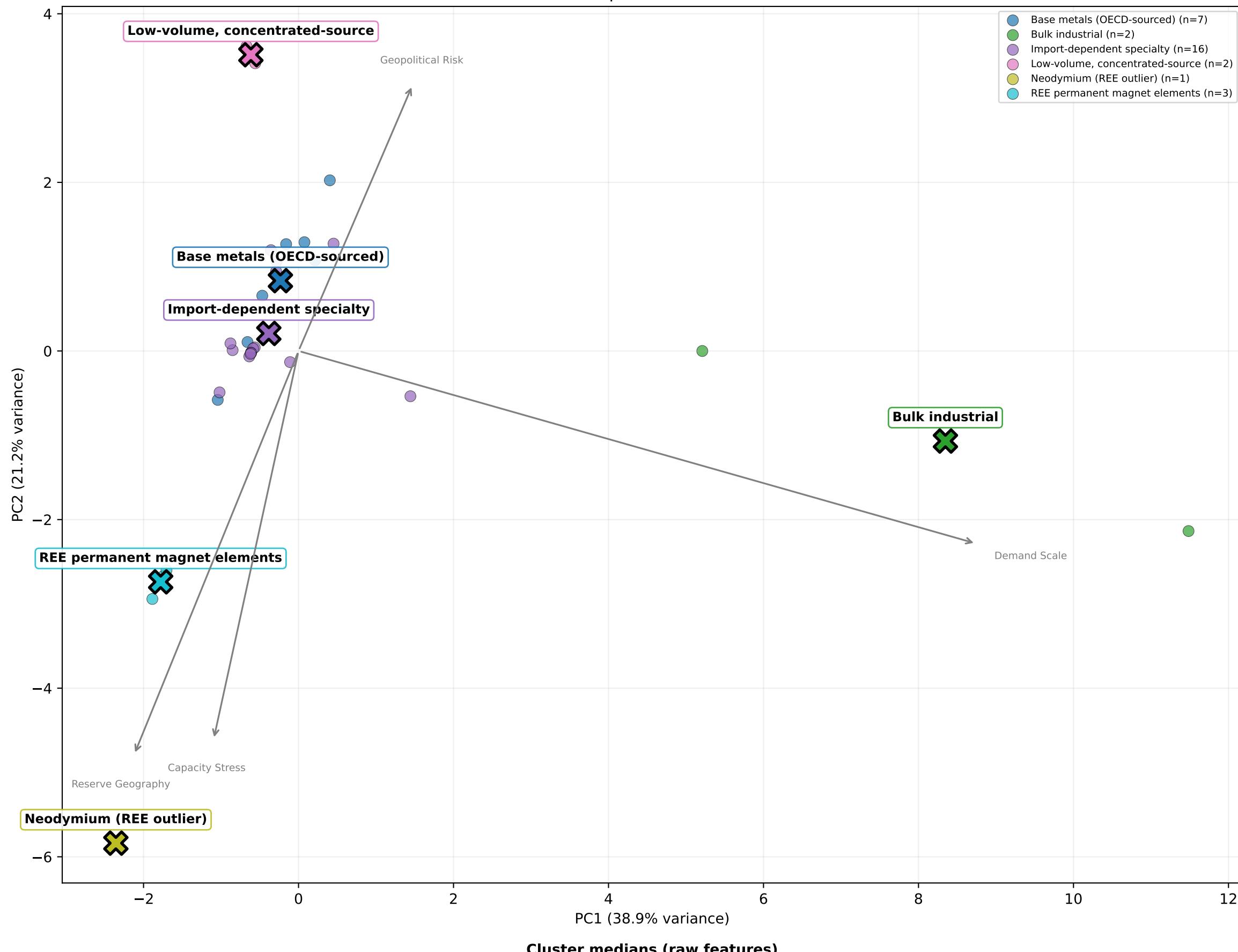


PCA biplot — materials



	Mean demand	Peak demand	scenario_mean_cdown	mean_voldown	mean_voldown_scen	Dom. prod.	import_dependent_weighted	Mean cap.ratio	Max exceedance	mean_reserve	domestic_reserve	relative_reserve	reserves_high	reserves_low	reserves_import	high_import_oecd	high_import_h							
Base metals (OECD-sourced)	48.5k	191.8k	0.29	0.44	52.7k	-2.4k	61.00	43.84	0.64	2.86	8.0k	13.1k	1.00	418.6k	1.5k	2.13e-03	0.06	0.26	0.37	0.14	0.00	0.00	0.47	0.30
Bulk industrial	11.0M	53.8M	0.28	0.48	8.2M	-167.3k	61.00	86.6k	0.14	3.60	1.2k	2.3k	1.00	90.9M	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.35	0.25	
Import-dependent specialty	3.2k	13.8k	0.24	0.92	2.2k	4.59	61.00	0.00	0.93	5.00	0.00	0.00	1.00	27.6k	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low-volume, concentrated-source	118.34	545.29	0.29	1.08	101.54	-3.31	61.00	0.00	0.50	6.32	0.00	0.00	0.50	990.15	0.00	15.87	0.00	0.00	0.00	0.47	0.94	0.04	0.85	
Neodymium (REE outlier)	12.1k	61.1k	0.31	1.50	10.2k	-294.91	61.00	0.07	1.00	5.92	1.5M	2.9M	1.00	99.9k	76.87	0.02	1.30	0.51	0.06	0.34	0.00	0.00	0.00	
REE permanent magnet elements	739.06	3.5k	0.29	3.34	626.34	-19.89	61.00	0.07	1.00	5.92	89.9k	176.0k	1.00	6.1k	4.70	0.38	21.28	0.51	0.06	0.34	0.00	0.00	0.00	