

## 1. Appendix

**Appendix Table 1** The dependent variables

democracy	1	Combined Failed States Index
democracy	2	Civil and Political Liberties violations
democracy	3	Corruption avoidance measure
democracy	4	Democracy measure
democracy	5	Global tolerance index
democracy	6	Rule of law
economic growth	7	Crisis Performance Factor
economic growth	8	economic growth IMF prediction growth rate in 2009
economic growth	9	economic growth IMF prediction growth rate in 2010
economic growth	10	economic growth in real terms pc. per annum, 1990-2005
gender	11	closing economic gender gap
gender	12	closing educational gender gap
gender	13	closing health and survival gender gap
gender	14	closing of global gender gap overall score 2009
gender	15	closing political gender gap
gender	16	gender empowerment index value
human development	17	Infant mortality 2005
human development	18	female survival probability of surviving to age 65 female
human development	19	Human development index (HDI) value 2004
human development	20	Life Expectancy (years)
human development	21	Life Satisfaction (0-10)
R&D	22	Country share in top world 500 Universities
R&D	23	per capita world class universities
R&D	24	tertiary enrollment
social cohesion	25	quintile share income difference between richest and poorest 20%
social cohesion	26	unemployment rate
nonparametric_26 equal weights	27	overall 26 development index
nonparametric, weighting each dimension equally	28	overall 26 development index, based on six dimensions
	29	component UNDP-type index for overall democracy-performance
	30	component UNDP-type index for overall economic growth-performance
	31	component UNDP-type index for overall gender-performance
	32	component UNDP-type index for overall human development-performance
	33	component UNDP-type index for overall R&D-performance
	34	component UNDP-type index for overall social cohesion-performance
	35	% women in government, all levels
	36	% world population
	37	2000 Economic Freedom Score
	38	Absolute latitude
	39	Annual population growth rate, 1975-2005 (%)
	40	comparative price levels (US=1.00)
	41	foreign savings rate
	42	FPZ (free production zones) employment as % of total population

43	ln GDP per capita
44	ln GDP per capita ^2
45	Membership in the Islamic Conference
46	military expenditures per GDP
47	military personnel rate ln (MPR+1)
48	MNC outward investments (stock) per GDP
49	MNC PEN - stock of Inward FDI per GDP
50	MNC PEN: DYN MNC PEN 1995-2005
51	Openness-Index, 1990 (export-share per GDP + import-share per GDP)
52	population density
53	public education expenditure per GNP
54	UNDP education index
55	worker remittance inflows as % of GDP
56	Immigration - Share of population 2005 (%)
57	Muslim population share per total population
58	net international migration rate, 2005-2010
59	Years of membership in the EU, 2010
60	years of membership in EMU, 2010
61	social security expenditure per GDP average 1990s (ILO)
62	ecological footprint (g ha /cap)
63	ecological footprint (g ha /cap)^2

Appendix Table 2 Global smart development

	z_res_overall 26 dev. index	z_res_overall 26 dev. index, based on 6 dimens.	z_res_component UNDP democracy	z_res_component UNDP econ.growth	z_res_component UNDP gender	z_res_component UNDP human dev.	z_res_component UNDP R&D	z_res_component UNDP social cohesion
Sudan	-2.512	-3.117	-2.788	1.65	..	-1.516	-0.941	..
Bosnia and Herzeg.	-2.381	-2.858	-1.304	-1.251	..	-0.27	-1.536	-3.805
Kuwait	-1.887	-2.552	-2.29	0.693	-1.717	-0.328	-2.514	..
Djibouti	-0.705	-2.5	0.185	0.478	..	-0.853	-0.437	-5.94
Namibia	-1.185	-2.428	-0.26	0.362	-0.013	-2.457	-1.797	-4.061
Central Afr. Rep	-2.214	-2.41	-0.565	-0.19	..	-2.382	-0.48	-2.692
Macedonia	-1.396	-1.853	-1.499	0.047	-0.839	-0.76	-1.529	-2.02
Togo	-0.979	-1.83	0.075	-1.201	..	-0.423	0.255	..
Congo (Dem. Rep.)	-0.85	-1.756	-0.657	1.822	..	-1.249	0.315	..
Lebanon	-1.299	-1.731	-1.842	1.47	..	-0.339	0.015	..
UAE	-1.97	-1.725	-2.26	0.211	-2.158	-0.003	-2.816	-0.31
Botswana	-1.075	-1.684	0.524	2.091	-0.787	-3.052	-1.789	-2.127
Sierra Leone	-1.4	-1.617	0.271	0.007	..	-2.032	0.241	-2.645
Angola	-0.669	-1.543	-0.511	0.053	0.423	-1.811	0.057	..
Congo	-0.481	-1.488	0.125	-0.376	..	-0.242	0.38	..
Zimbabwe	-1.75	-1.264	-1.035	-2.819	-0.314	-1.956	-0.004	0.268
Niger	-1.888	-1.257	-0.5	0.306	..	-2.104	-0.537	-0.029
Chad	-1.827	-1.084	-1.35	0.144	-1.876	-1.749	-0.614	1.071
Estonia	-1.303	-0.972	-0.788	-0.956	-0.319	-1.091	-0.85	0.258

Turkey	-1.134	-0.946	-0.744	-0.902	-2.091	0.1	-0.729	-0.004
Iran	-1.021	-0.934	-1.376	1.002	-1.785	-0.012	-1.341	-0.111
Hong Kong, China	-1.528	-0.921	-1.728	0.077	..	-0.106	-0.4	0.236
Kazakhstan	-1.327	-0.882	-2.334	0.008	0.365	-0.797	-0.614	0.384
Paraguay	-0.519	-0.849	-1.164	0.016	0.195	-0.014	-1.339	-0.894
Burkina Faso	-1.312	-0.817	-0.556	0.784	-1.033	-2.12	-0.85	0.8
Mauritania	-0.643	-0.758	-0.737	0.513	-0.557	-0.733	-0.663	-0.782
Saudi Arabia	-1.064	-0.701	-1.522	-0.096	-2.211	0.718	-0.443	0.271
Cameroon	-1.097	-0.699	-1.098	-0.343	-0.571	-1.22	-0.095	0.221
Russia	-1.324	-0.681	-1.631	-1.07	-0.23	-0.645	0.546	0.399
Haiti	-0.765	-0.632	-0.423	-1.672	..	0.349	0.388	-0.97
Burundi	-1.598	-0.624	-0.36	-0.66	..	-1.48	0.142	0.738
Nigeria	-1.092	-0.61	-0.907	-0.198	-0.341	-1.463	-0.181	0.43
Uruguay	-0.508	-0.591	-0.227	1.197	-0.628	-0.574	-1.42	-0.176
Mali	-0.687	-0.559	0.751	0.724	-1.239	-1.889	-0.508	-0.127
Guinea	-1.292	-0.557	-0.553	0.12	..	-1.047	-0.243	0.603
Belarus	-1.445	-0.537	-2.546	-0.141	0.419	-0.489	0.097	0.96
Greece	-0.612	-0.494	-0.43	0.604	-0.904	-0.273	-0.834	0.113
Syria	-0.427	-0.494	-1.629	0.454	-0.79	0.798	-0.705	-0.384
Czech Republic	-0.564	-0.485	-0.195	0.019	-0.643	-0.337	-1.381	0.602
Malta	-0.404	-0.401	-0.643	0.267	-0.868	0.47	-1.227	0.234
Singapore	-0.643	-0.401	-0.722	-1.257	-1.033	0.386	0.131	0.399
Luxembourg	-0.01	-0.394	0.308	-0.634	0.016	0.713	-2.801	-0.709
Yemen	-0.705	-0.356	-0.401	0.943	-2.996	0.145	0.038	0.02
Mexico	-0.288	-0.297	-0.358	-0.468	-0.564	0.407	-0.983	0.322
Korea (Republic)	-0.39	-0.293	-0.157	0.164	-1.589	0.376	-1.217	0.833
Azerbaijan	-0.923	-0.26	-1.699	2.893	-1.237	-0.152	-0.129	-0.057
Venezuela	-0.302	-0.24	-0.72	-1.194	0.023	0.484	-0.349	0.155
Ukraine	-0.571	-0.213	-0.542	-2.114	-0.004	0.043	0.314	0.579
Bolivia	0.2	-0.201	0.273	0.332	-0.293	0.037	0.431	-1.748
Ethiopia	-0.626	-0.198	-0.12	1.498	-0.95	-1.593	-0.297	0.701
Cyprus	-0.122	-0.191	0.314	1.022	-1.037	0.214	-1.654	0.345
Egypt	-0.294	-0.158	-0.946	0.463	-1.556	1.053	-0.609	0.174
Mongolia	-0.051	-0.15	0.373	1.579	0.022	-1.043	-0.594	-0.337
Myanmar	-0.799	-0.15	-1.636	1.165	..	0.274	0.305	0.228
Rwanda	-1.105	-0.129	-0.27	0.548	..	-1.277	0.202	1.012
Zambia	-0.226	-0.11	0.731	-0.1	-0.162	-1.545	0.254	-0.228
Algeria	-0.151	-0.098	-0.941	0.245	-0.643	0.84	-0.028	-0.461
Albania	0.172	-0.074	-0.216	0.404	-0.661	0.87	-0.465	-0.724
Belize	0.466	-0.052	0.301	0.296	-0.222	0.732	-1.286	-0.543
Guyana	0.372	-0.033	0.1	1.092	0.854	-0.297	-0.967	-0.707
South Africa	0.682	-0.013	1.216	-0.472	2.001	-1.156	-0.086	-1.625
Kenya	-0.287	-0.009	-0.22	-0.158	0.245	-0.966	0.006	0.473
Romania	-0.091	0.009	0.012	-1.035	-0.143	0.274	-0.436	0.607

Croatia	0.105	0.05	-0.057	-0.553	0.128	0.48	-0.614	0.279
Ecuador	0.597	0.055	-0.065	-0.886	0.833	0.874	-1.027	-0.363
Latvia	-0.218	0.069	0.132	-2.33	0.74	-0.094	0.585	0.464
Brazil	0.547	0.076	0.432	-0.351	-0.061	0.783	-0.342	-0.86
Portugal	0.183	0.135	0.926	-0.428	-0.197	-0.088	-0.175	0.162
Pakistan	-0.224	0.146	0.154	-0.359	-2.079	0.567	0.118	0.669
Italy	-0.01	0.183	0.262	-0.481	-0.658	0.173	0.714	0.392
Uganda	-0.127	0.204	-0.74	1.444	1.261	-1.262	-0.261	0.598
Malaysia	0.099	0.205	0.031	-0.596	-0.679	0.853	-0.088	0.365
Laos	-0.435	0.209	-1.066	0.788	..	0.519	-0.091	0.939
Armenia	0.034	0.216	0.095	-1.643	-0.964	1.129	0.362	0.253
Lithuania	0.059	0.224	0.564	-2.577	0.517	0.229	0.343	0.67
Slovakia	0.332	0.226	0.432	0.161	-0.037	0.312	-0.587	0.247
Spain	0.204	0.24	0.323	0.058	0.226	0.029	0.13	0.143
Iceland	0.389	0.248	0.837	-1.138	1.598	0.024	-1.379	0.392
Uzbekistan	0.046	0.31	-1.931	1.83	0.796	0.315	-0.727	1.055
Tanzania	0.222	0.311	0.508	0.89	0.606	-1.455	-0.153	0.592
Colombia	0.88	0.347	0.058	-0.755	0.612	1.404	0.198	-1.137
Poland	0.233	0.349	0.255	0.733	-0.04	0.058	0.236	0.191
Benin	0.01	0.351	1.383	-0.079	-1.054	-0.921	0.081	0.896
Ireland	0.417	0.381	0.618	-0.794	0.489	-0.044	0.564	0.333
Japan	0.104	0.384	0.889	-0.609	-0.705	0.193	0.462	0.744
Panama	0.765	0.396	0.492	1.456	0.194	0.555	-0.346	-0.72
Cambodia	0.228	0.398	0.045	-0.337	0.067	-0.117	0.109	0.752
Slovenia	0.174	0.41	0.606	0.43	-0.392	0.138	-0.018	0.671
Hungary	0.28	0.41	0.986	-0.467	-0.172	0.015	0.137	0.575
Bulgaria	0.375	0.422	0.376	-0.981	0.498	0.398	0.201	0.397
Jordan	0.232	0.425	-0.467	0.519	-0.558	1.033	0.474	-0.023
Ghana	0.559	0.437	1.006	0.865	0.285	-0.56	-0.342	0.033
Guatemala	0.694	0.471	0.392	-0.538	-0.123	1.204	-0.154	-0.171
Tunisia	0.584	0.497	-0.027	0.798	-0.555	1.143	0.156	-0.249
Israel	0.218	0.528	-0.155	0.204	-0.416	0.135	2.179	0.211
Senegal	0.476	0.537	1.064	0.113	0.099	-0.378	-0.219	0.581
Honduras	0.847	0.577	0.376	-0.359	0.604	0.866	-0.128	-0.04
Madagascar	0.638	0.595	1.378	-1.269	1.024	-0.445	-0.038	0.412
Georgia	0.433	0.602	0.207	-0.708	-0.702	1.162	1.24	-0.226
Nicaragua	0.728	0.611	0.338	-0.396	0.85	0.756	-0.471	0.433
China	0.438	0.626	-1.255	3.239	-0.38	0.893	-0.093	0.391
Morocco	0.581	0.632	0.119	0.45	-0.688	1.164	0.238	0.093
Nepal	0.689	0.649	0.922	-0.174	-0.539	0.583	0.344	0.026
France	0.65	0.662	0.812	0.06	0.492	0.132	0.711	0.271
El Salvador	1.137	0.681	0.834	-0.908	0.751	1.18	0.108	-0.531
Canada	0.61	0.682	0.682	0.632	0.179	-0.066	1.14	0.109
Australia	0.598	0.698	0.542	0.689	0.276	0.025	1.08	0.013
Belgium	0.692	0.73	0.793	-0.063	0.369	0.119	1.217	0.293
Mozambique	0.591	0.737	0.934	0.58	1.791	-1.545	0.032	0.732

Argentina	0.998	0.764	0.509	-0.684	1.02	1.084	0.743	-0.462
Denmark	0.792	0.821	0.865	0.059	0.736	-0.085	1.162	0.135
Malawi	0.932	0.848	1.309	0.696	0.773	-0.646	0.448	-0.08
Chile	1.24	0.866	1.678	0.826	-0.038	0.697	0.062	-0.295
Bhutan	0.608	0.879	0.295	1.677	..	0.619	-0.037	0.71
Thailand	0.732	0.879	0.894	-0.825	0.348	0.67	0.406	0.831
United Kingdom	0.777	0.881	0.918	-0.12	0.361	-0.017	1.832	0.364
Trinidad & Tobago	1.385	0.943	1.122	0.241	1.232	0.75	-0.729	0.304
Austria	0.835	0.982	1.041	0.053	0.151	0.242	1.441	0.669
Tajikistan	0.749	0.988	-0.185	-1.399	1.076	1.11	0.769	0.839
Cuba	0.94	0.99	-1.333	0.374	1.23	1.707	0.256	0.91
Germany	1.164	1.009	1.357	-0.981	0.883	0.385	1.387	0.338
Dominican Rep.	1.56	1.014	1.149	-0.228	1.015	1.488	0.429	-1.009
Moldova	1.02	1.03	0.781	-2.607	1.223	1.211	0.843	0.63
Kyrgyzstan	0.639	1.058	-0.33	-0.93	1.586	0.789	1.482	0.436
Bangladesh	0.867	1.076	0.518	0.562	-0.344	0.846	0.598	0.711
India	0.976	1.082	1.581	0.962	-1.535	0.754	0.501	0.635
Indonesia	1.047	1.102	0.183	-0.154	0.594	1.48	0.569	0.293
Peru	1.426	1.135	0.885	0.713	0.756	1.105	0.595	-0.383
Vietnam	0.931	1.137	-0.595	0.853	0.678	1.65	0.1	0.83
Switzerland	1.236	1.156	1.309	-0.241	0.636	0.288	1.606	0.595
New Zealand	1.037	1.158	0.681	0.509	1.07	-0.114	2.343	0.052
United States	1.069	1.294	0.516	-0.123	0.583	0.281	3.722	-0.595
Norway	1.264	1.356	0.706	0.658	1.884	0.001	1.613	0.57
Netherlands	1.409	1.369	1.748	-0.627	0.837	0.439	1.688	0.68
Costa Rica	1.949	1.377	1.93	-0.075	1.024	1.67	-0.46	0.084
Jamaica	1.687	1.401	1.703	-2.057	1.21	1.78	0.516	0.191
Finland	1.544	1.509	1.364	-0.531	1.911	0.196	2.312	0.433
Sri Lanka	2.083	1.709	1.261	0.095	1.474	1.699	0.127	0.549
Sweden	1.817	1.838	1.616	-0.12	1.656	0.273	3.077	0.519
Philippines	2.452	1.871	1.324	-1.188	2.119	1.745	1.295	0.239

**Appendix Table 3** Rankings: global smart development

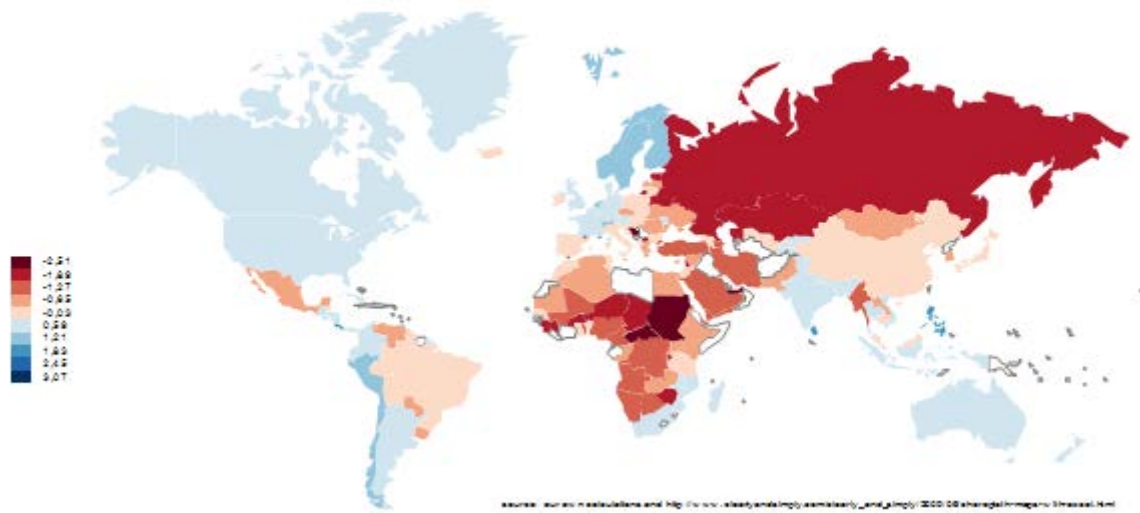
	Smart	Smart	Smart	Smart	Smart	Smart	Smart
	26 dev. index	Democracy	Economic growth	Gender	Human dev.	R&D	Social cohesion
Philippines	1	11	126	1	2	13	69
Sri Lanka	2	14	63	9	4	60	37
Costa Rica	3	1	76	18	5	101	85
Sweden	4	5	81	6	61	2	38
Jamaica	5	3	135	14	1	30	75
Dominican Republic	6	16	89	20	7	36	123
Finland	7	9	103	3	65	4	42
Peru	8	28	29	28	18	25	108

Netherlands	9	2	108	24	48	7	20
Trinidad and Tobago	10	17	55	11	34	116	59
Norway	11	37	33	4	81	8	36
Chile	12	4	23	66	38	67	104
Switzerland	13	12	90	33	57	9	31
Germany	14	10	122	21	52	12	56
El Salvador	15	31	118	29	12	63	112
United States	16	46	82	38	58	1	114
Indonesia	17	68	84	37	8	27	61
New Zealand	18	39	41	16	92	3	86
Moldova	19	34	139	13	10	19	26
Argentina	20	47	111	19	19	21	111
India	21	6	18	112	33	31	25
Cuba	22	124	48	12	3	46	6
Malawi	23	13	30	27	109	34	96
Vietnam	24	106	22	32	6	64	11
Colombia	25	76	113	34	9	54	124
Bangladesh	26	45	37	80	27	24	17
Honduras	27	53	95	36	25	83	94
Austria	28	19	69	56	62	11	23
Denmark	29	29	66	31	88	16	81
United Kingdom	30	25	80	47	85	6	54
Panama	31	49	11	54	43	95	117
Tajikistan	32	86	132	15	17	20	8
Thailand	33	26	115	48	39	37	10
Nicaragua	34	56	97	23	32	103	43
Guatemala	35	52	104	69	11	86	99
Belgium	36	33	75	45	72	15	60
Nepal	37	24	86	84	41	41	88
South Africa	38	15	101	2	119	78	125
France	39	32	65	41	71	23	63
Kyrgyzstan	40	93	119	8	30	10	41
Madagascar	41	8	131	17	104	77	45
Canada	42	38	34	55	87	17	83
Bhutan	43	61	6	..	40	76	18
Australia	44	43	32	50	78	18	90
Ecuador	45	82	116	25	23	124	107
Mozambique	46	22	36	5	128	70	16
Tunisia	47	80	24	85	15	55	103
Morocco	48	72	45	96	13	50	84
Ghana	49	20	21	49	106	94	87
Brazil	50	50	93	68	31	93	120
Senegal	51	18	62	58	102	89	33
Belize	52	60	52	74	35	127	113
China	53	122	1	81	22	81	51
Georgia	54	66	112	97	14	14	101

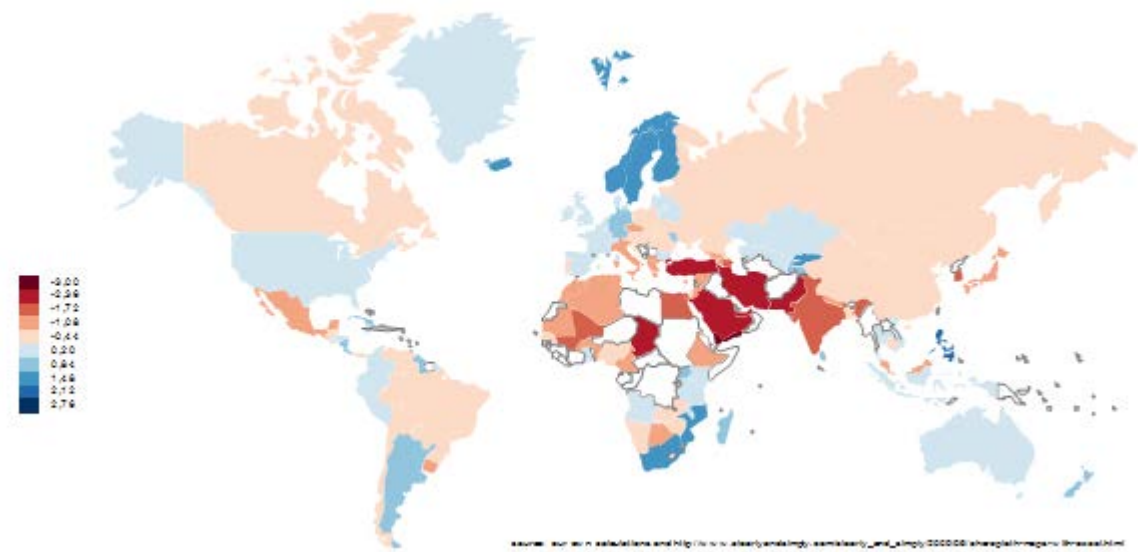
Ireland	55	40	114	42	86	28	57
Iceland	56	30	125	7	79	130	49
Bulgaria	57	54	121	40	50	53	48
Guyana	58	73	15	22	98	122	115
Slovakia	59	51	59	65	56	107	68
Hungary	60	21	99	72	80	57	35
Poland	61	65	27	67	74	51	76
Jordan	62	99	39	87	21	32	92
Cambodia	63	77	91	59	93	62	13
Tanzania	64	48	20	35	124	85	32
Israel	65	84	57	83	70	5	74
Spain	66	57	67	52	77	59	80
Bolivia	67	62	50	76	76	35	126
Portugal	68	23	98	73	89	87	78
Slovenia	69	41	46	82	69	74	21
Albania	70	88	47	94	24	102	118
Croatia	71	81	105	57	46	110	62
Japan	72	27	107	98	66	33	14
Malaysia	73	78	106	95	26	79	53
Lithuania	74	42	138	39	63	42	22
Uzbekistan	75	135	4	26	55	115	2
Armenia	76	74	133	105	16	40	67
Benin	77	7	77	109	114	66	7
Italy	78	64	102	93	67	22	50
Luxembourg	79	59	109	62	37	139	116
Mongolia	80	55	8	61	116	108	106
Romania	81	79	123	70	59	98	27
Cyprus	82	58	16	108	64	135	55
Uganda	83	112	12	10	122	91	30
Algeria	84	116	54	92	28	75	110
Latvia	85	70	137	30	90	26	40
Pakistan	86	69	94	118	42	61	24
Zambia	87	36	79	71	129	48	102
Kenya	88	89	85	51	115	72	39
Mexico	89	94	100	88	49	123	58
Egypt	90	117	43	113	20	109	77
Venezuela	91	109	127	60	45	96	79
Korea (Republic of)	92	85	58	114	53	125	9
Malta	93	107	53	102	47	126	71
Syria	94	129	44	100	29	114	109
Laos	95	119	25	..	44	80	5
Congo	96	71	96	..	95	39	..
Uruguay	97	90	13	90	107	132	100
Paraguay	98	121	72	53	84	128	121
Czech Republic	99	87	71	91	100	131	29
Ukraine	100	102	136	63	75	44	34

Greece	101	98	35	103	97	118	82
Ethiopia	102	83	9	104	130	92	19
Singapore	103	110	130	107	51	58	47
Mauritania	104	111	40	86	110	113	119
Angola	105	101	68	43	132	68	..
Mali	106	35	28	111	133	105	98
Djibouti	107	67	42	..	113	99	133
Yemen	108	96	19	122	68	69	89
Haiti	109	97	134	..	54	38	122
Myanmar	110	131	14	..	60	45	72
Congo (Democratic Rep.)	111	108	5	..	121	43	..
Azerbaijan	112	132	2	110	94	84	95
Togo	113	75	128	..	103	47	..
Iran	114	126	17	116	83	129	97
Saudi Arabia	115	128	78	121	36	100	64
Botswana	116	44	3	99	140	136	128
Nigeria	117	115	88	79	125	88	44
Cameroon	118	120	92	89	120	82	73
Rwanda	119	92	38		123	52	3
Turkey	120	113	117	119	73	117	91
Namibia	121	91	49	64	139	137	132
Guinea	122	103	61	..	117	90	28
Lebanon	123	134	10	..	101	71	..
Estonia	124	114	120	78	118	119	66
Burkina Faso	125	104	26	106	137	120	12
Russia	126	130	124	75	108	29	46
Kazakhstan	127	138	73	46	112	111	52
Macedonia	128	127	70	101	111	133	127
Sierra Leone	129	63	74	..	135	49	129
Belarus	130	139	83	44	105	65	4
Hong Kong, China (SAR)	131	133	64	..	91	97	70
Burundi	132	95	110	..	126	56	15
Zimbabwe	133	118	140	77	134	73	65
Chad	134	125	60	117	131	112	1
Kuwait	135	137	31	115	99	138	..
Niger	136	100	51		136	106	93
United Arab Emirates	137	136	56	120	82	140	105
Central African Republic,	138	105	87	..	138	104	130
Bosnia and Herzegovina	139	123	129	..	96	134	131
Sudan	140	140	7	..	127	121	..



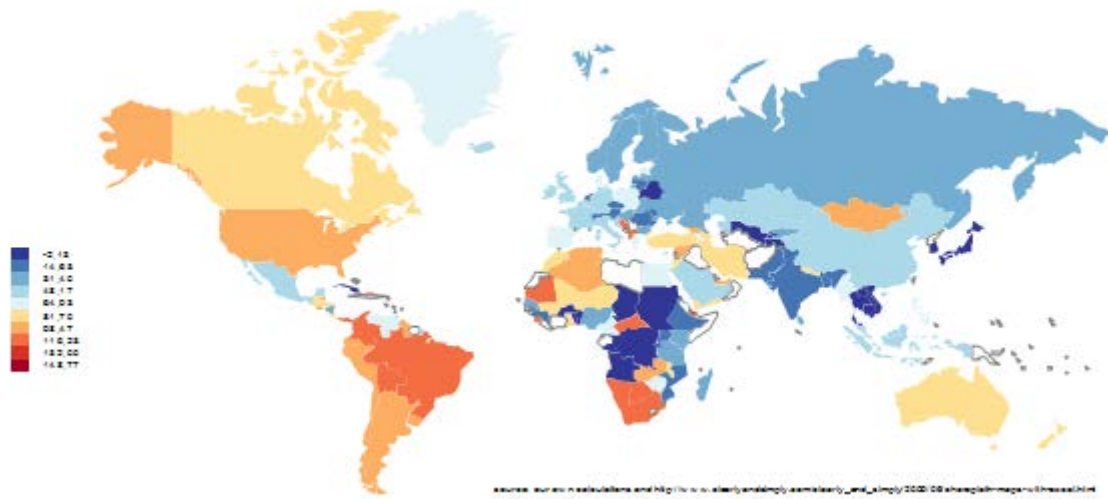


Appendix Map 1 z res overall 26 development index.

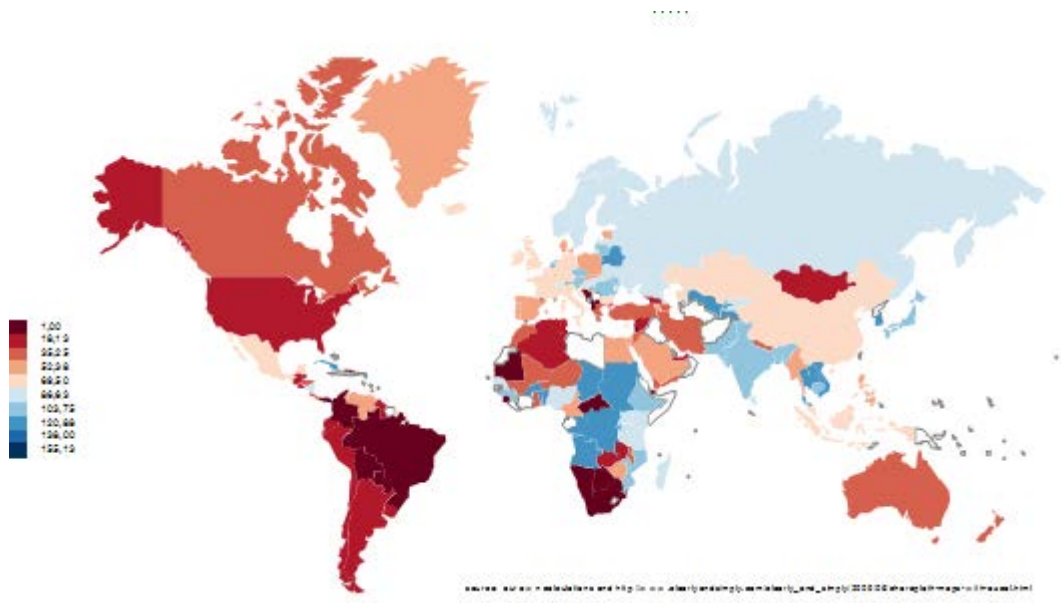


Appendix Map 2 z res component gender development.

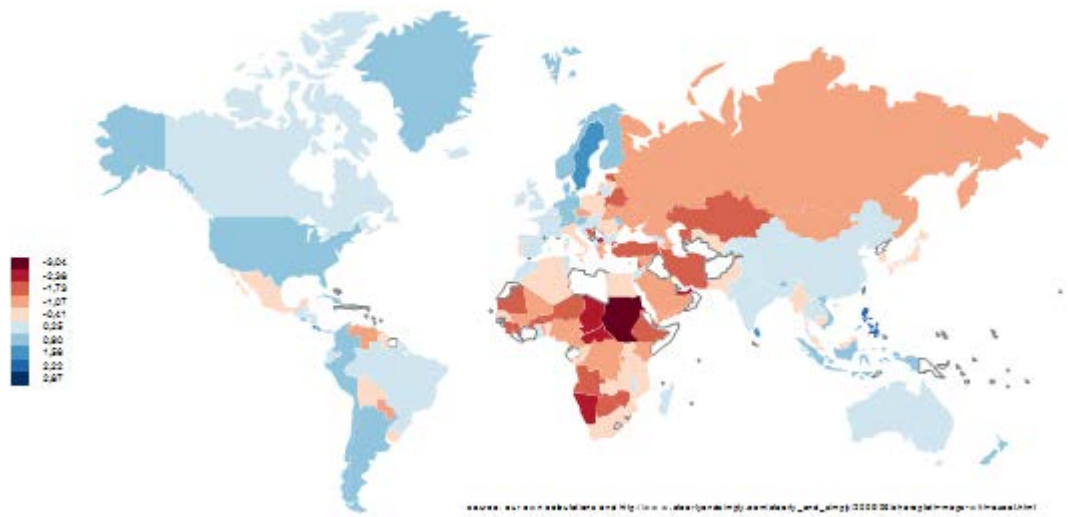




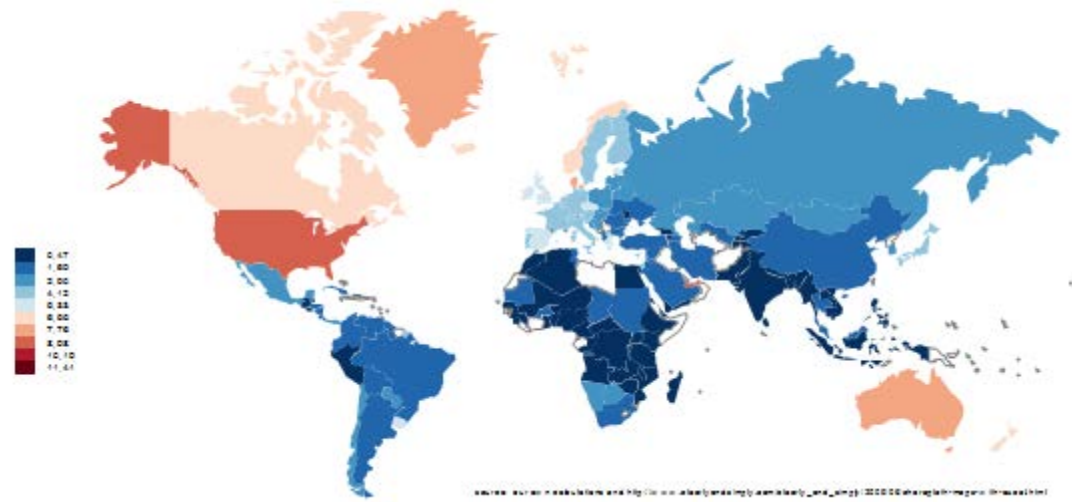
Appendix Map 5 Global rank z res component smart social cohesion.



Appendix Map 6 How much footprint for social justice? inverted global ranks social cohesion: little social justice for lots of footprint. “red sinners” and blue best practice models.



Appendix Map 7 Smart overall development index.



Appendix Map 8 Ecological footprint per capita.