



Competing for the Future:

Pittsburgh Metropolitan Region-- Innovation Roundtable

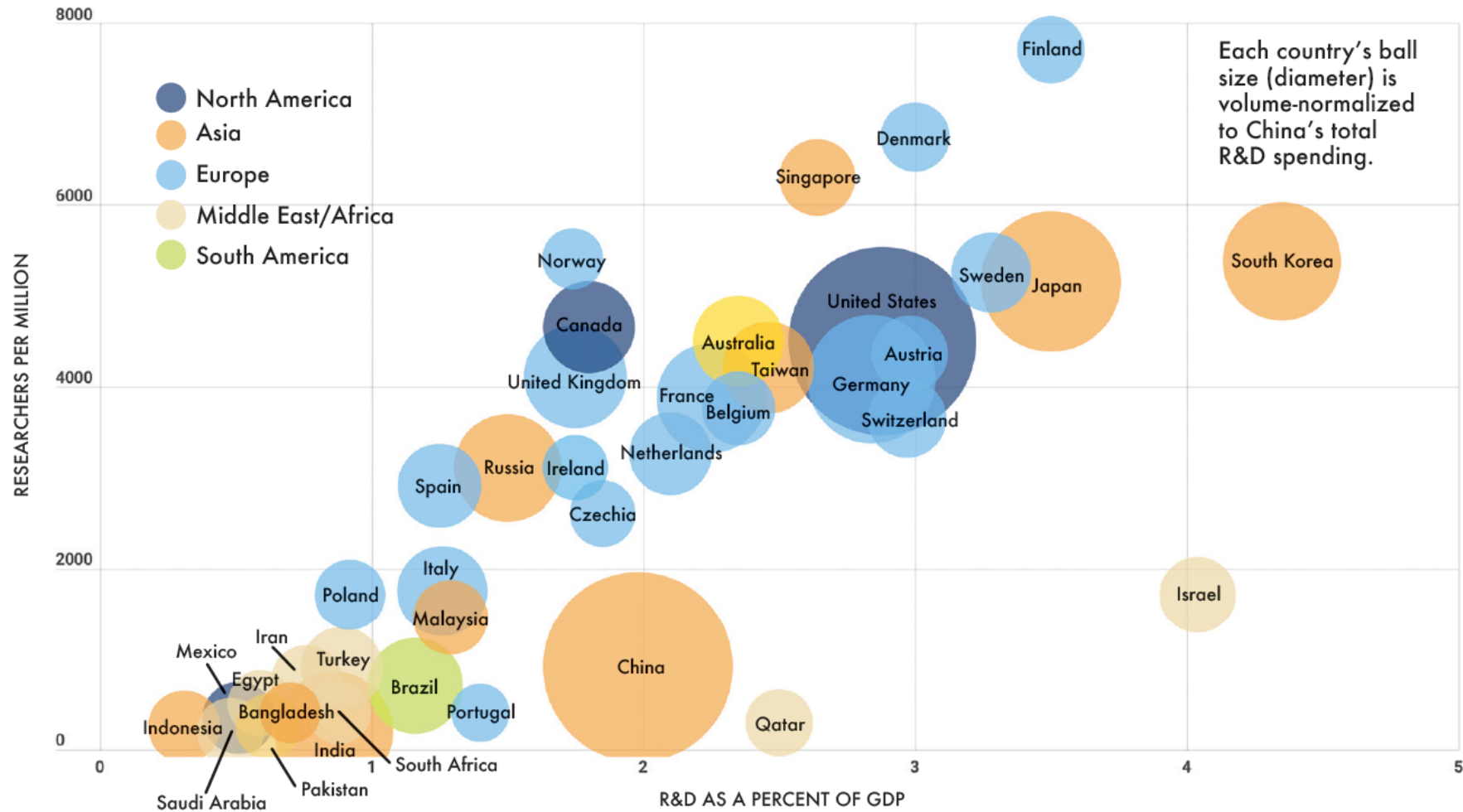
Daniel Calto
Director of Solution Services
Research Intelligence
Elsevier Inc.

Ann Gabriel
SVP Global Strategic Networks

Pittsburgh
November 4th
UIDP Innovation Roundtable



WORLD OF R&D 2021



Share of Total R&D Spend by Continent/Country

		TOP 10 R&D SPENDING COUNTRIES FOR 2021						R&D Share	
		2020 Estimated			2021 Forecast				
		GDP	R&D	GERD	GDP	R&D	GERD		
		<i>PPP</i>	<i>as % GDP</i>	<i>PPP</i>	<i>PPP</i>	<i>as % GDP</i>	<i>PPP</i>		
Top Ten	Top 10	Country	<i>Bil, US\$</i>		<i>Bil, US\$</i>	<i>Bil, US\$</i>	<i>Bil, US\$</i>		
								78.5%	
North A	1	China	29,010.7	1.98%	574.40	31,389.6	1.98%	621.50	27.0%
South A	2	United States	20,145.1	2.88%	580.20	20,789.7	2.88%	598.70	2.2%
Europe	3	Japan	5,174.2	3.50%	181.10	5,210.4	3.50%	182.36	20.5%
	4	Germany	4,283.5	2.84%	121.65	4,480.5	2.84%	127.25	
Africa	5	India	9,991.1	0.86%	85.92	10,870.3	0.86%	93.48	0.9%
Middle	6	South Korea	2,002.6	4.35%	87.11	2,102.7	4.35%	91.47	2.4%
Russia/	7	France	2,864.7	2.25%	64.46	2,979.3	2.25%	67.03	2.7%
	8	Russia	3,927.7	1.50%	58.92	4,037.7	1.50%	60.57	
Asia	9	United Kingdom	2,876.7	1.73%	49.77	2,983.1	1.73%	51.61	44.3%
All Cou	10	Brazil	3,199.3	1.16%	37.11	3,288.9	1.16%	38.15	00.0%

Global Resurgence in R&D Investments



EN English

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Horizon Europe

Research and innovation funding programme until 2027. How to get funding, programme structure, missions, European partnerships, news and events.

What is Horizon Europe?

Horizon Europe is the EU's key funding programme for research and innovation with a [budget of €95.5 billion](#) [↗](#).

Est. 2020 Spending on Academic R&D by Country (Billion \$USD, unadjusted—nominal rates as of 4-29-21)

1. 2020 Japan academic sector (all sources) (\$23B/yr.)
2. 2020 China academic sector (all sources) (\$43B/yr.)
3. 2020 EU academic sector (all sources) (\$67B/yr.)
4. 2020 US academic sector (all sources) (\$87B/yr.)
5. 2020 FAAMG (Facebook Amazon Apple Microsoft Google) (\$130B/yr.)



Note: Includes product development (“D” in “R&D”) expenditures. Other figures are all primarily “R” expenditures