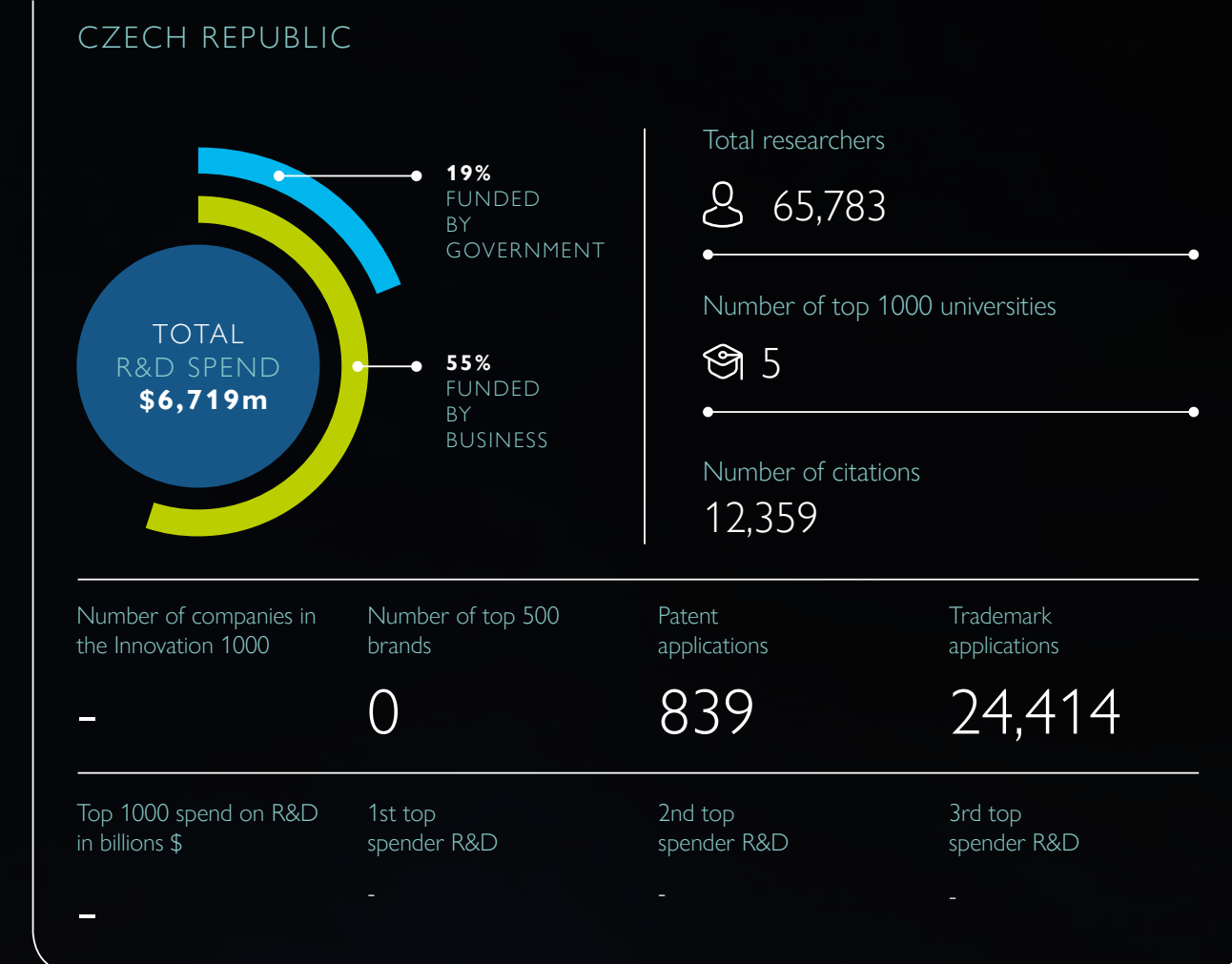
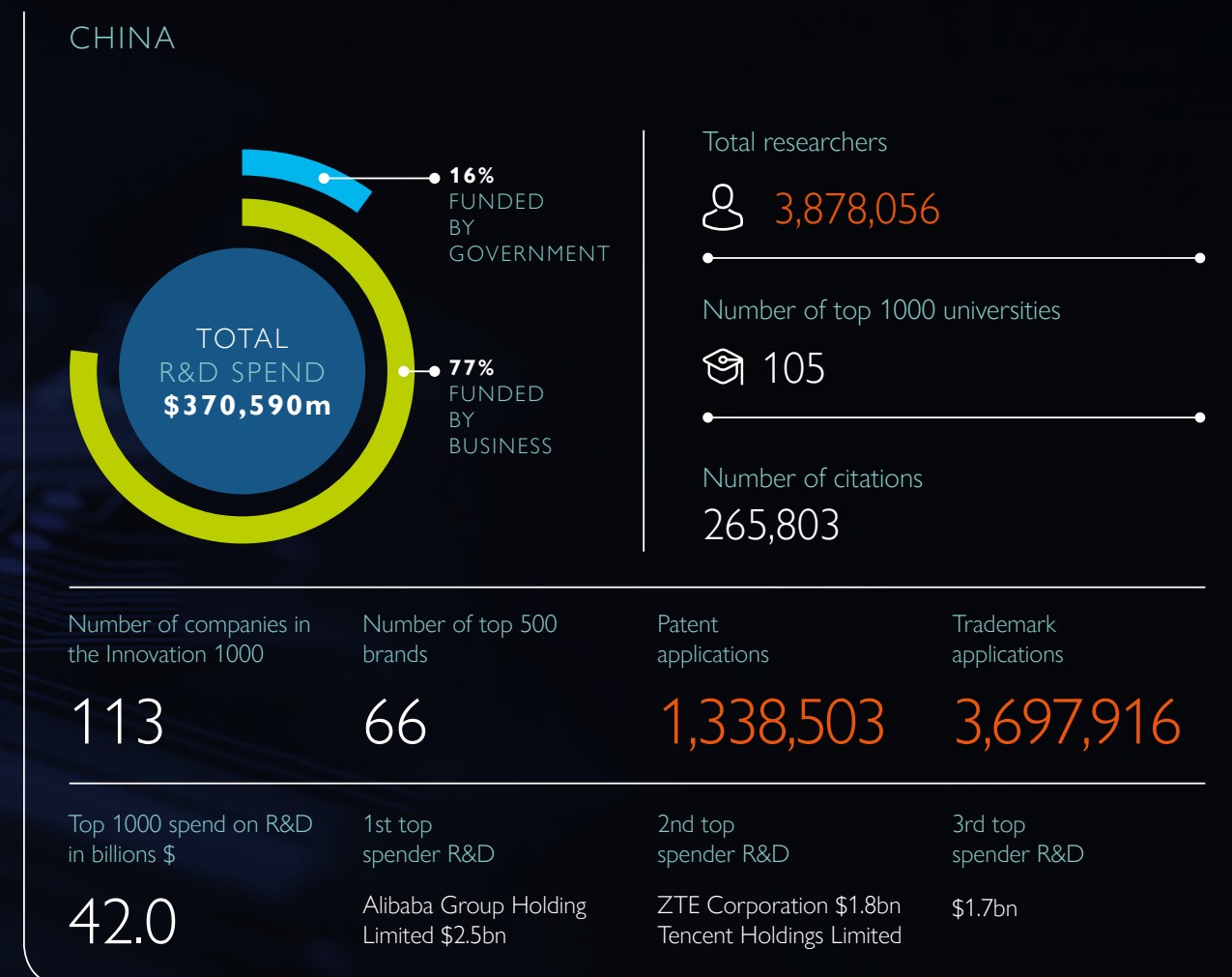
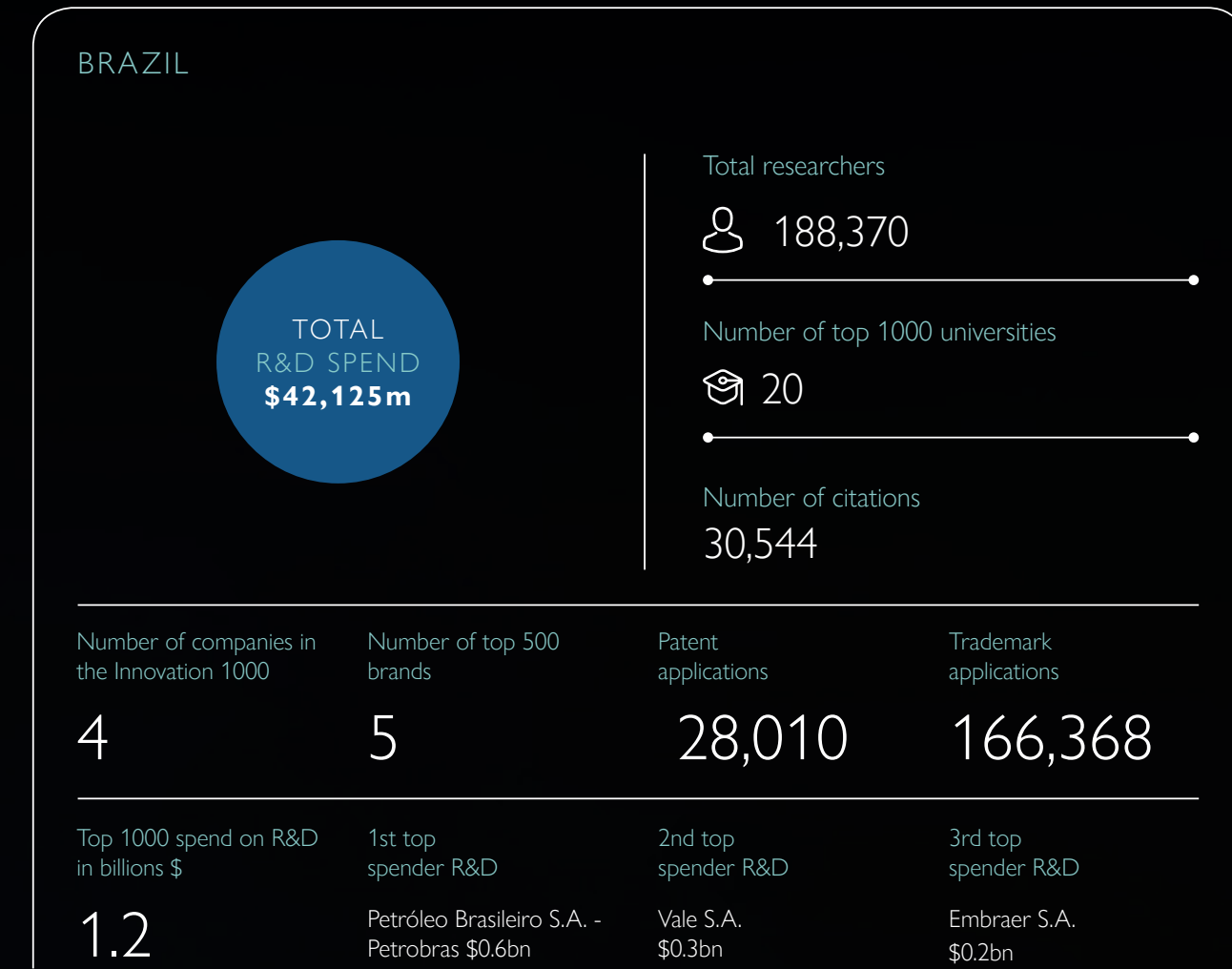
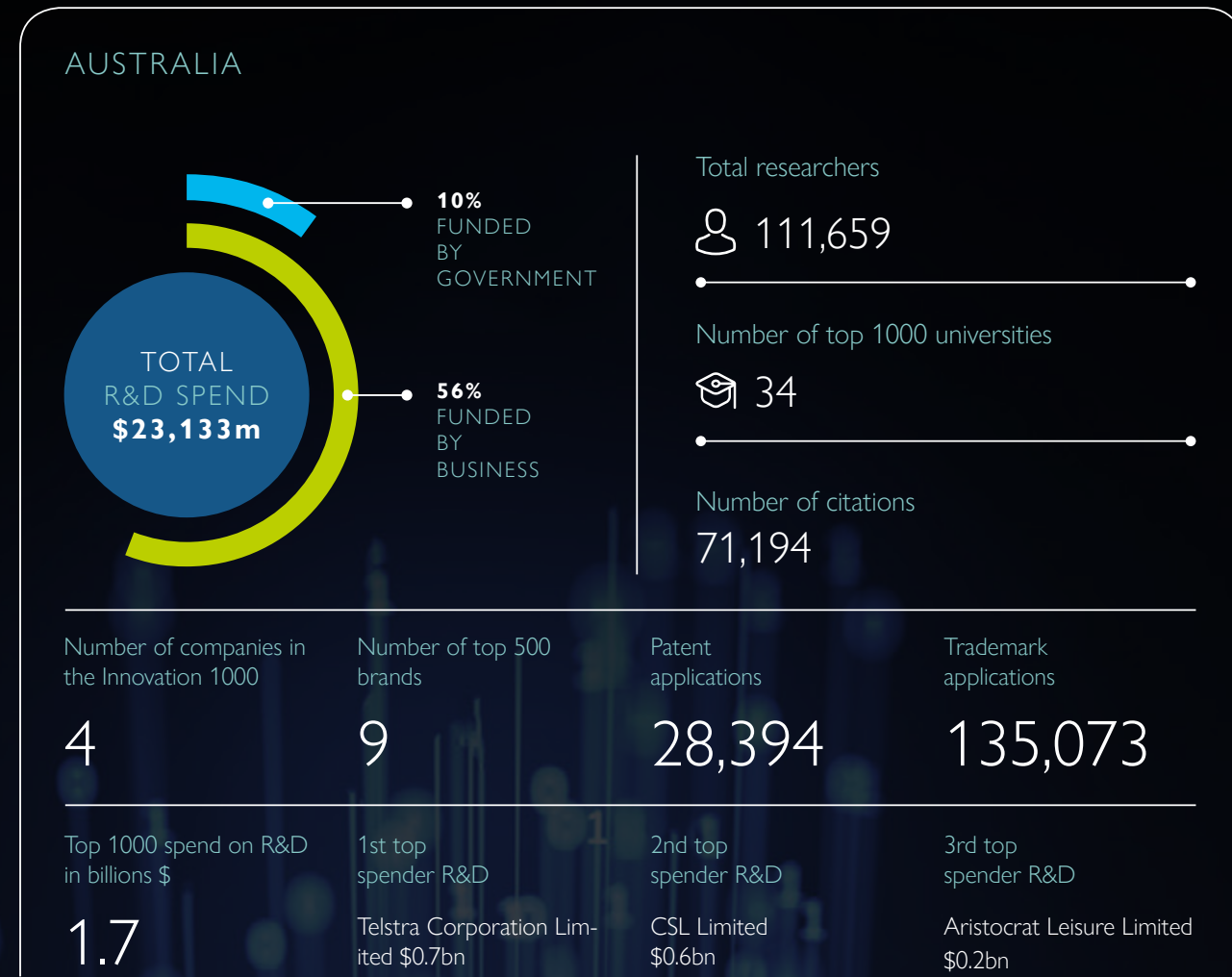


# LEADERS IN INNOVATION

THE GEOGRAPHY OF INNOVATION IS CHANGING



The highest figures are highlighted in orange.



# LEADERS IN INNOVATION

THE GEOGRAPHY OF INNOVATION IS CHANGING

### DENMARK

**TOTAL R&D SPEND \$7,877m**

- 46% FUNDED BY BUSINESS
- 54% FUNDED BY GOVERNMENT

Total researchers: 60,290

Number of top 1000 universities: 6

Number of citations: 24,661

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
7	1	1,850	11,147

Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
3.4	Novo Nordisk A/S \$2.1bn H. Lundbeck A/S	\$0.4bn Novozymes A/S	\$0.3bn

### FINLAND

**TOTAL R&D SPEND \$7,185m**

- 68% FUNDED BY BUSINESS
- 32% FUNDED BY GOVERNMENT

Total researchers: 47,429

Number of top 1000 universities: 10

Number of citations: 14,666

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
7	1	1,368	10,405

Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
5.4	Nokia Corporation \$4.7bn	KONE Oyj \$0.1bn	Stora Enso Oyj \$0.1bn

### FRANCE

**TOTAL R&D SPEND \$60,781m**

- 64% FUNDED BY BUSINESS
- 36% FUNDED BY GOVERNMENT

Total researchers: 284,119

Number of top 1000 universities: 40

Number of citations: 80,203

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
37	33	16,218	274,201

Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
23.8	Sanofi \$5.5bn	Renault SA \$2.5bn	Peugeot S.A. \$2.0bn

### GERMANY

**TOTAL R&D SPEND \$109,802m**

- 68% FUNDED BY BUSINESS
- 32% FUNDED BY GOVERNMENT

Total researchers: 656,727

Number of top 1000 universities: 60

Number of citations: 124,526

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
42	24	67,899	209,983

Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
54.1	Volkswagen \$12.1bn	Daimler AG \$6.9bn	Siemens \$5.5bn

### GREECE

**TOTAL R&D SPEND \$2,409m**

- 100% FUNDED BY BUSINESS

Total researchers: 41,790

Number of top 1000 universities: 7

Number of citations: 11,844

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
-	0	646	2,362

Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
-	-	-	-

### INDIA

**TOTAL R&D SPEND \$48,063m**

- 48% FUNDED BY BUSINESS
- 52% FUNDED BY GOVERNMENT

Total researchers: 208,884

Number of top 1000 universities: 8

Number of citations: 54,669

Number of companies in the Innovation 1000	Number of top 500 brands	Patent applications	Trademark applications
13	9	45,057	313,623

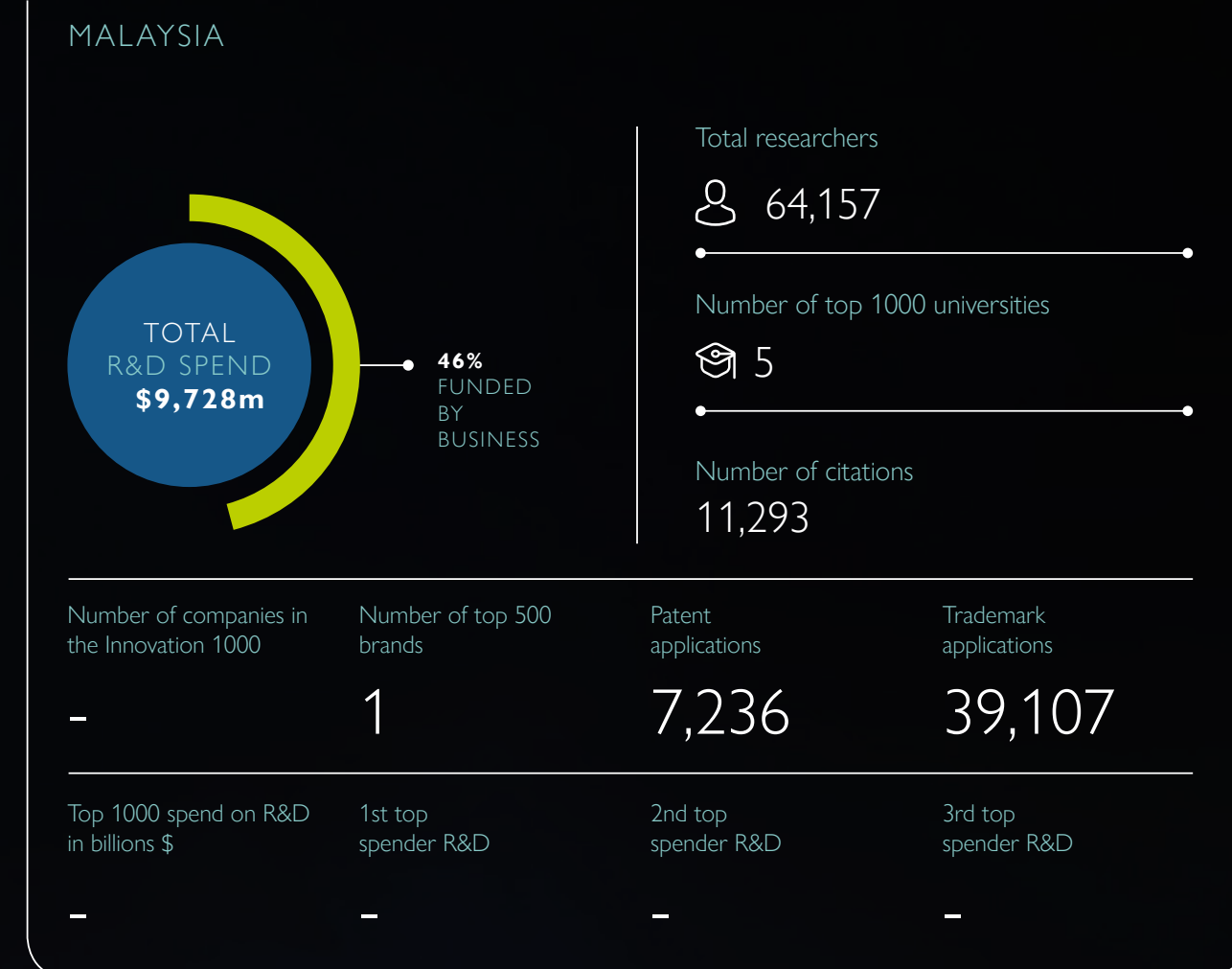
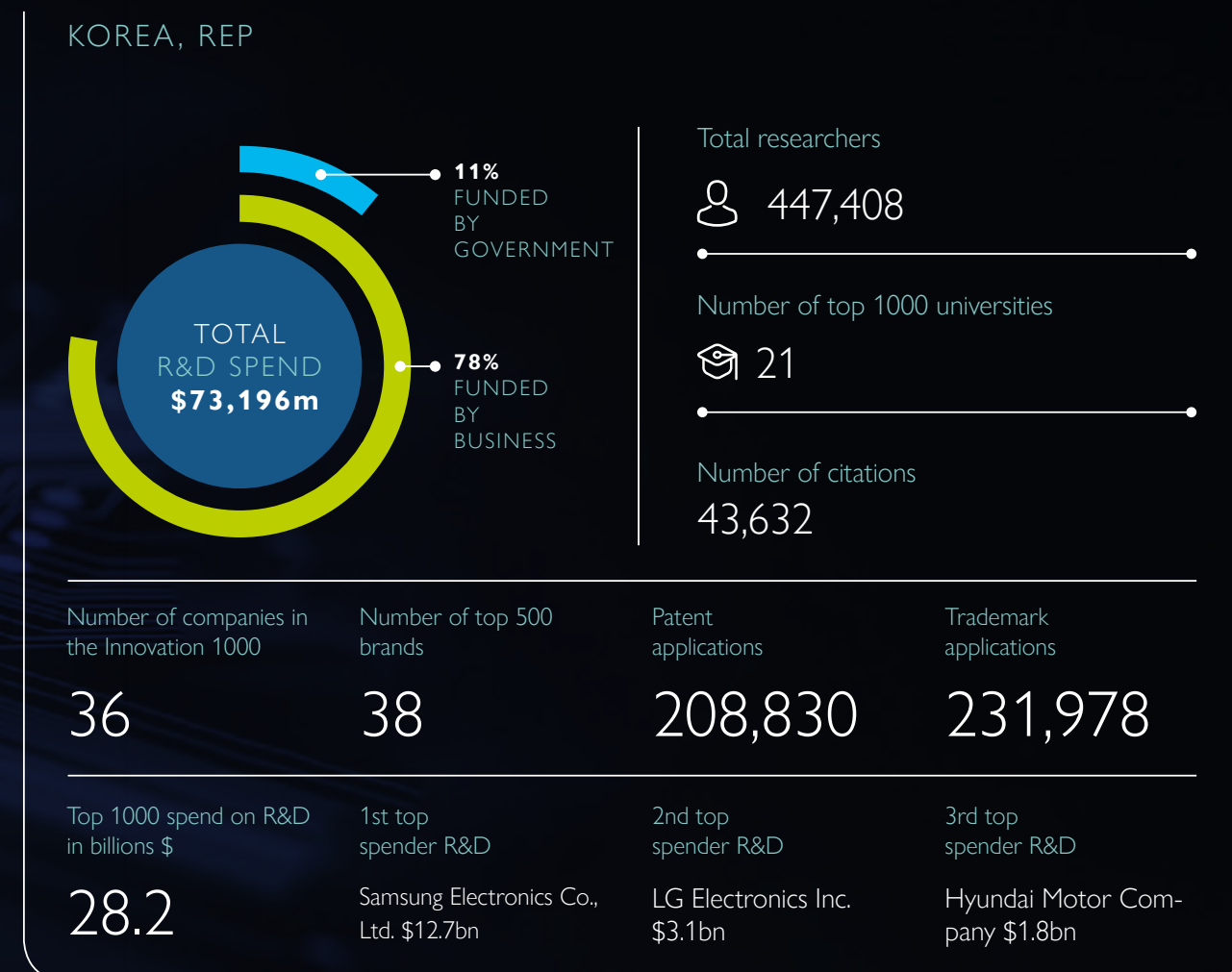
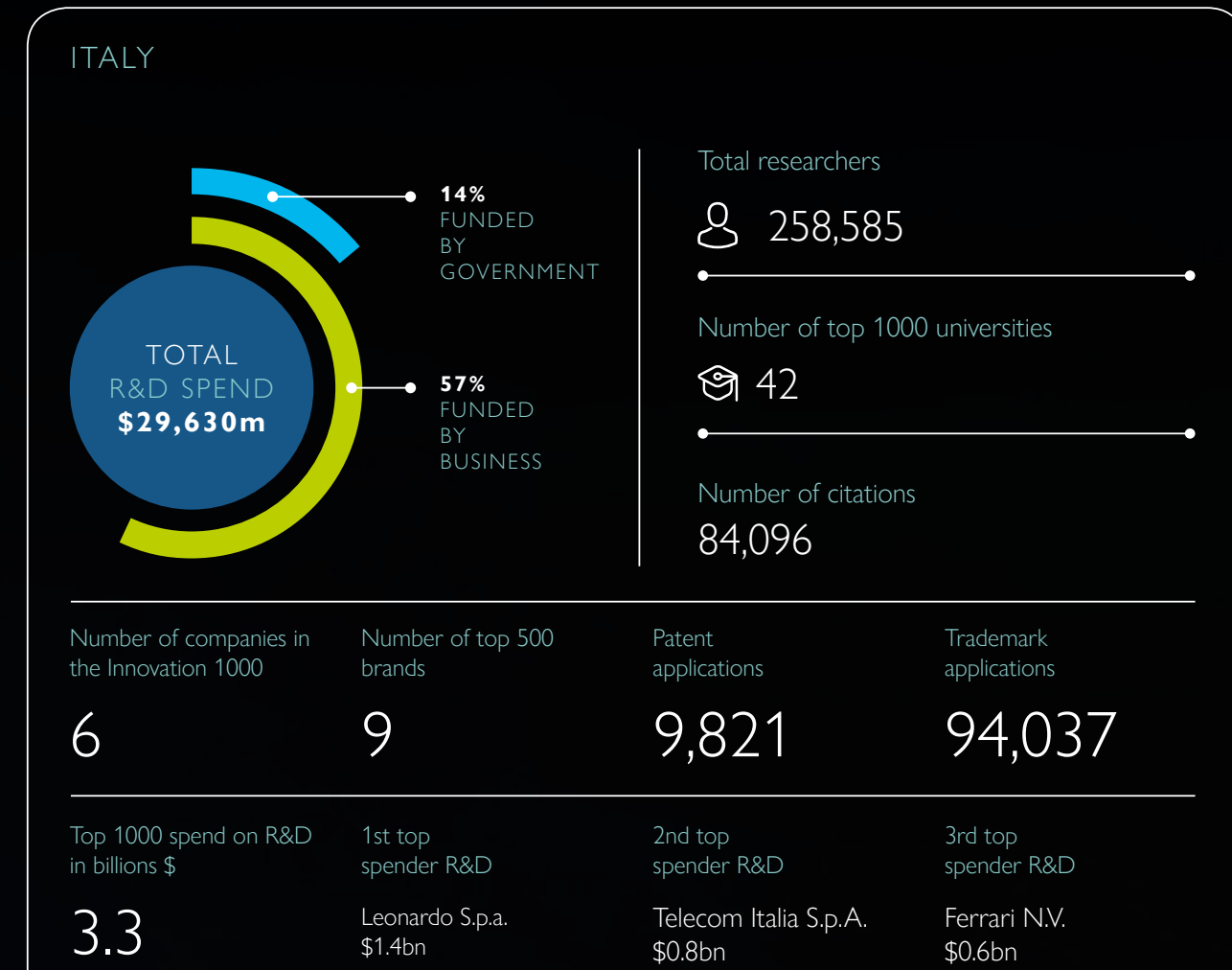
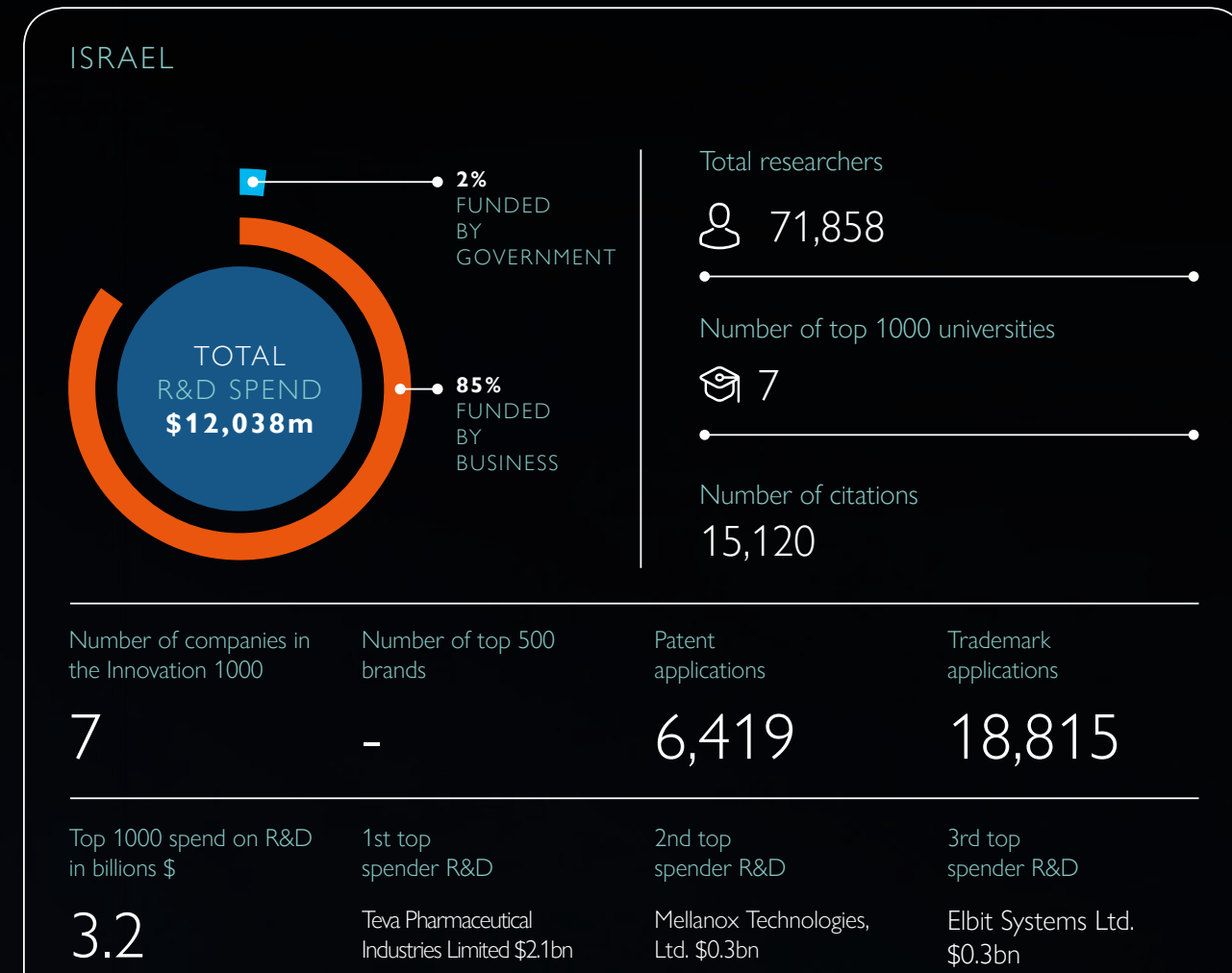
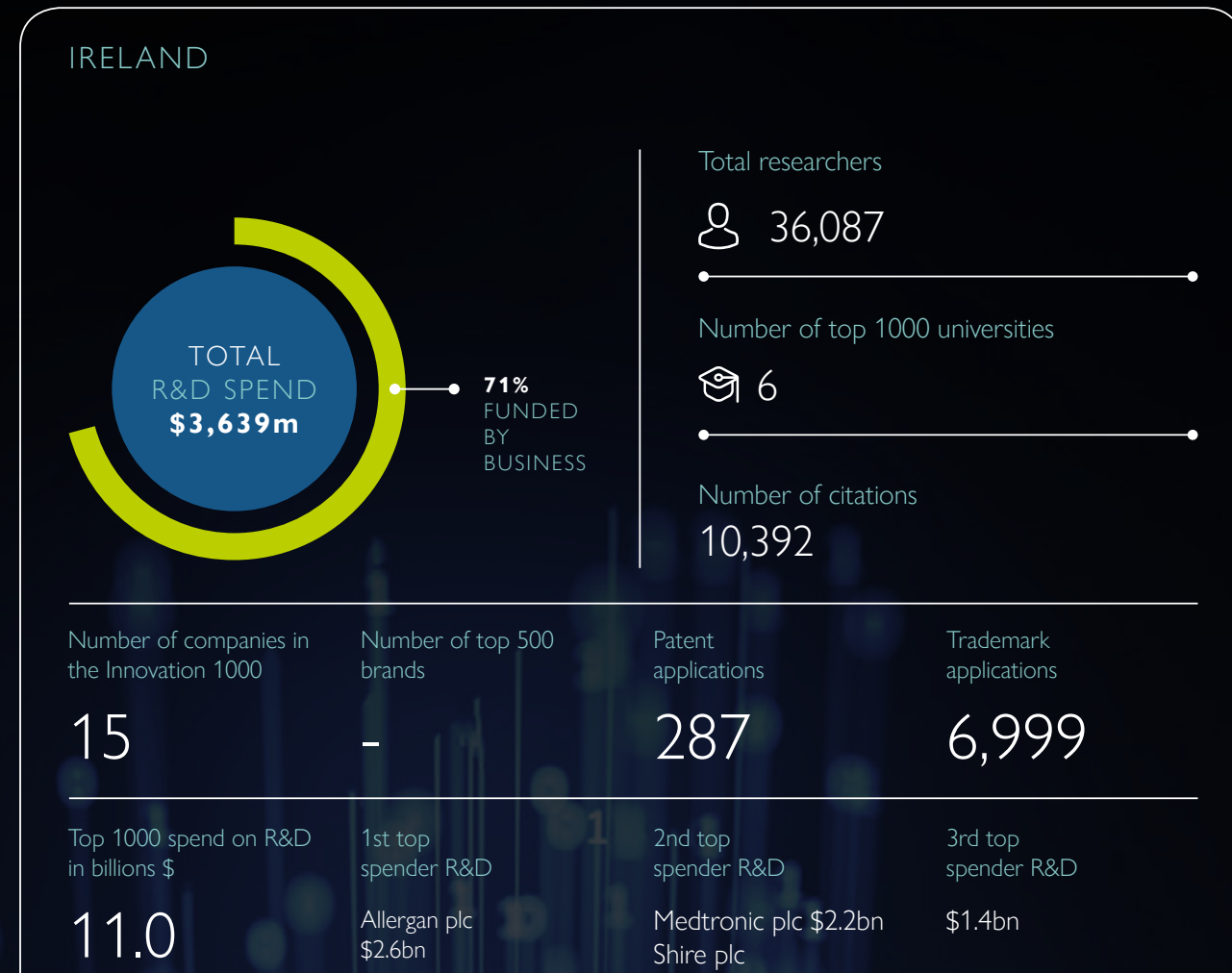
Top 1000 spend on R&D in billions \$	1st top spender R&D	2nd top spender R&D	3rd top spender R&D
2.9	Tata Motors Limited \$0.5bn	Lupin Limited \$0.4bn Sun Pharmaceutical Industries	Limited \$0.3bn

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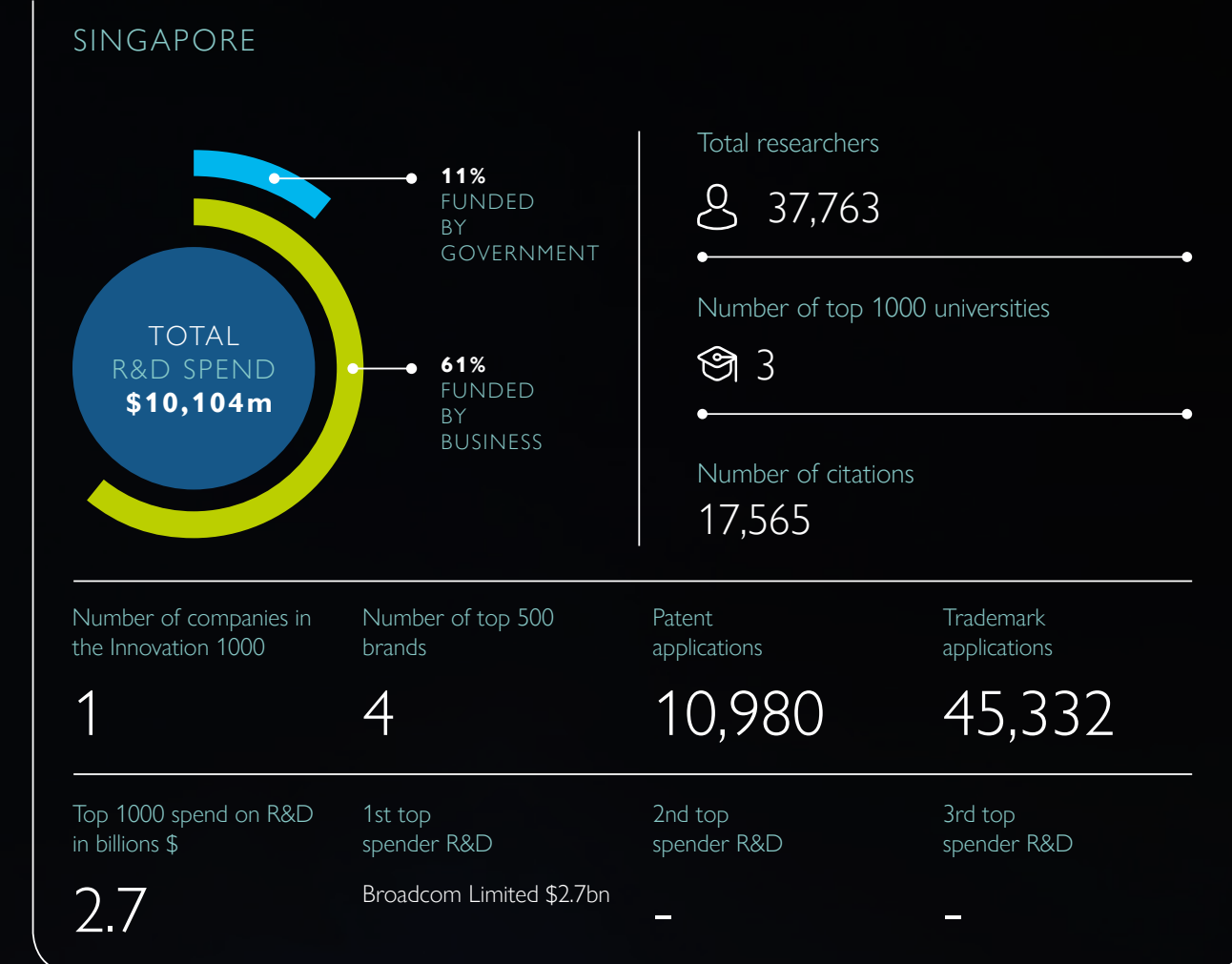
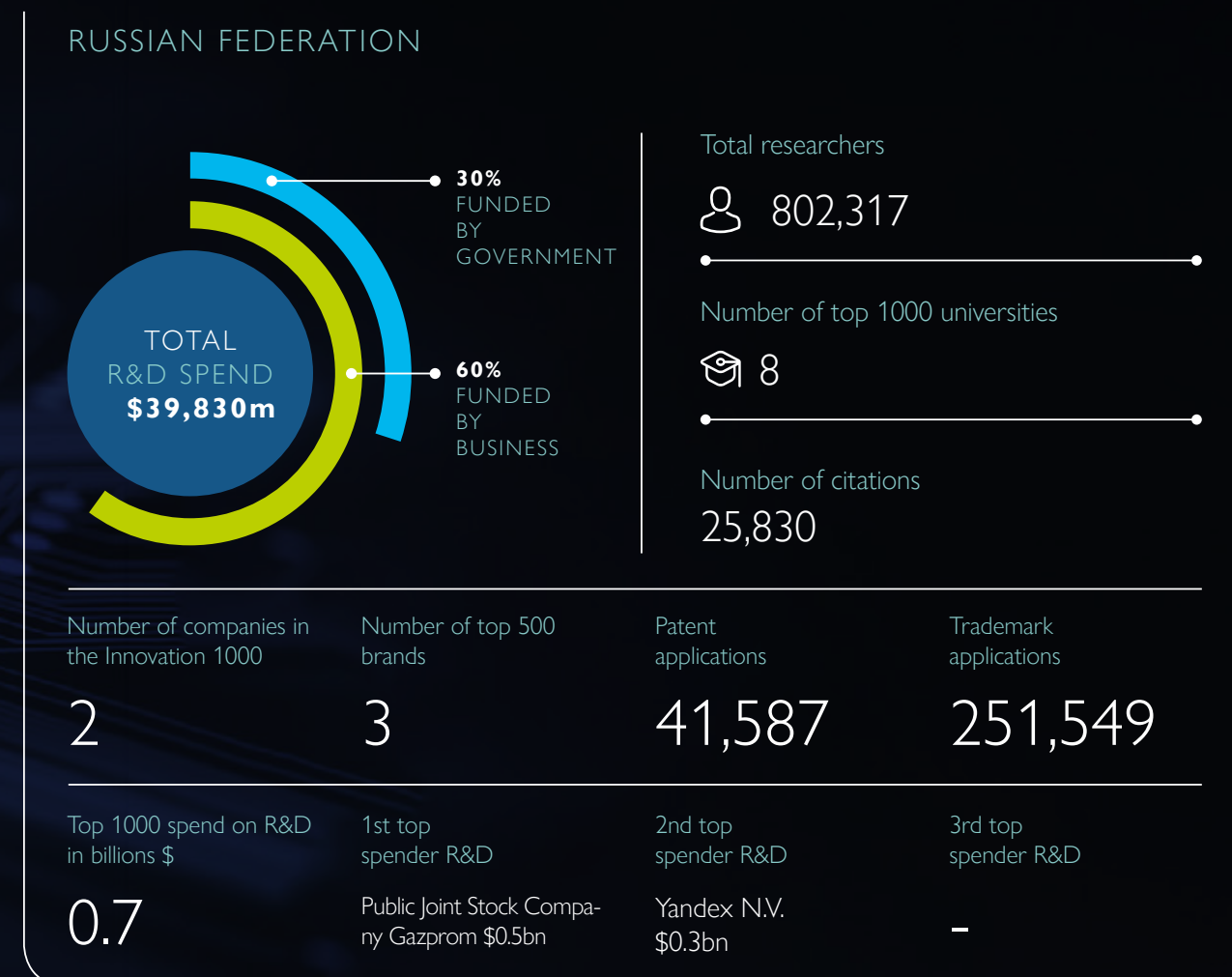
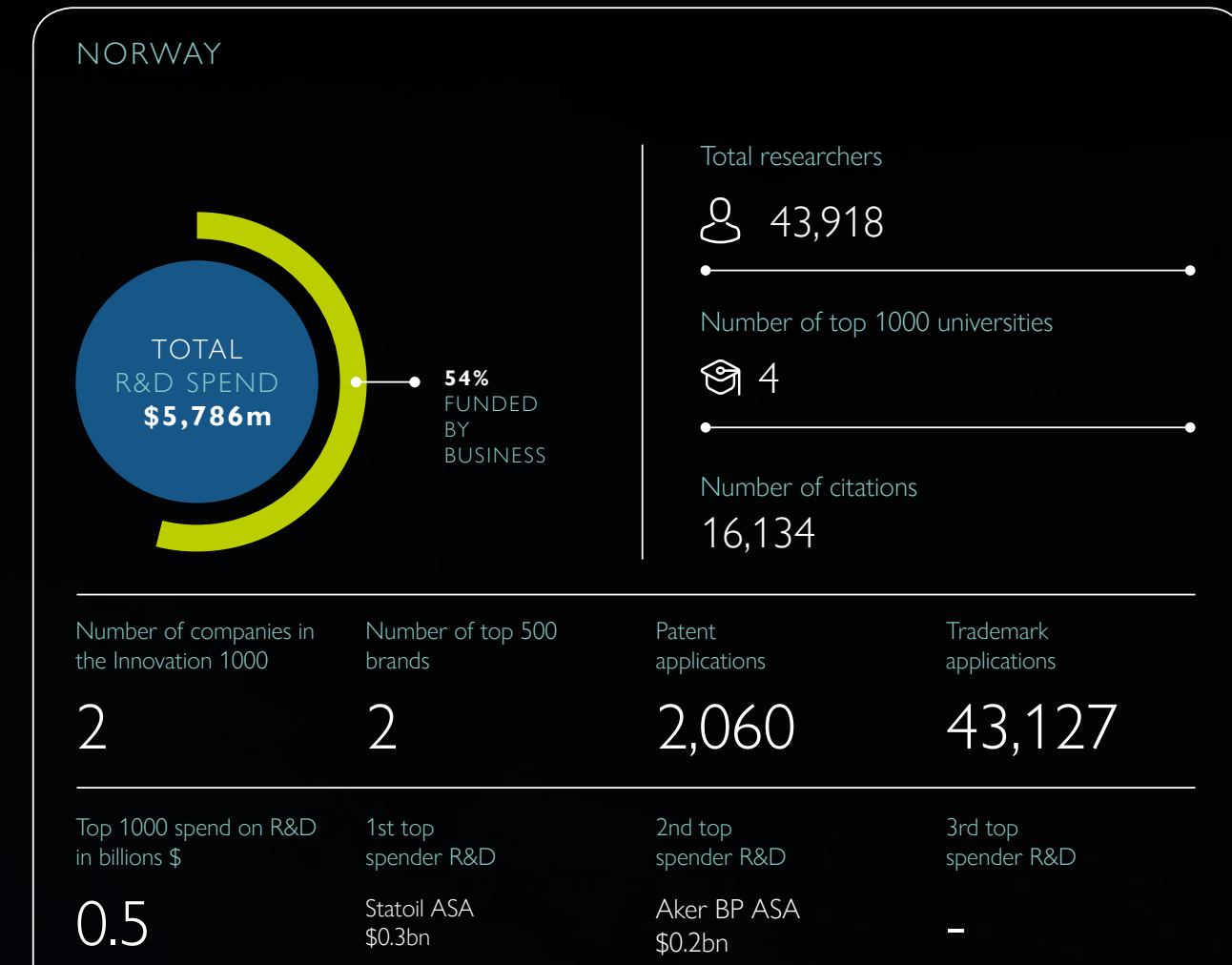
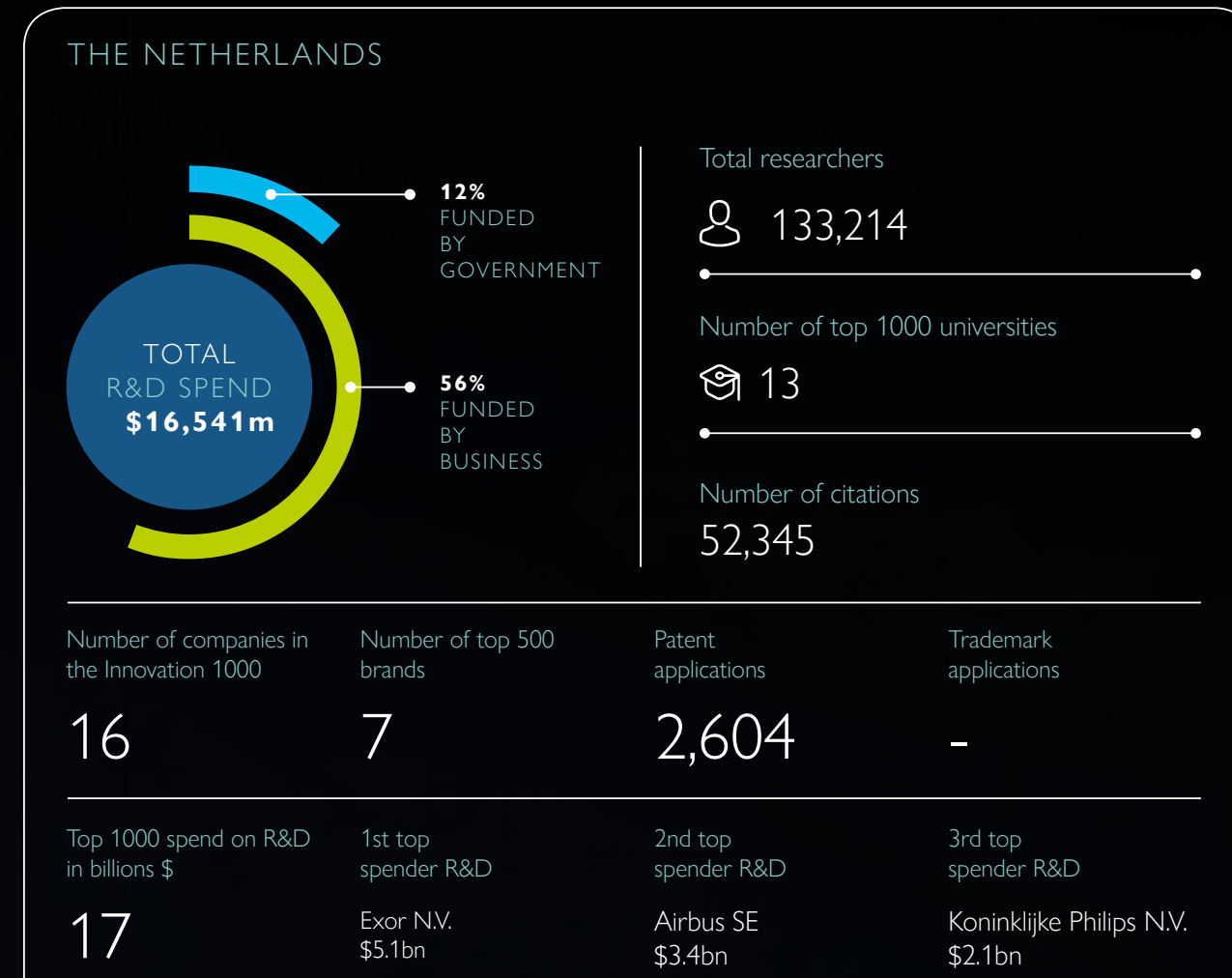


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# LEADERS IN INNOVATION

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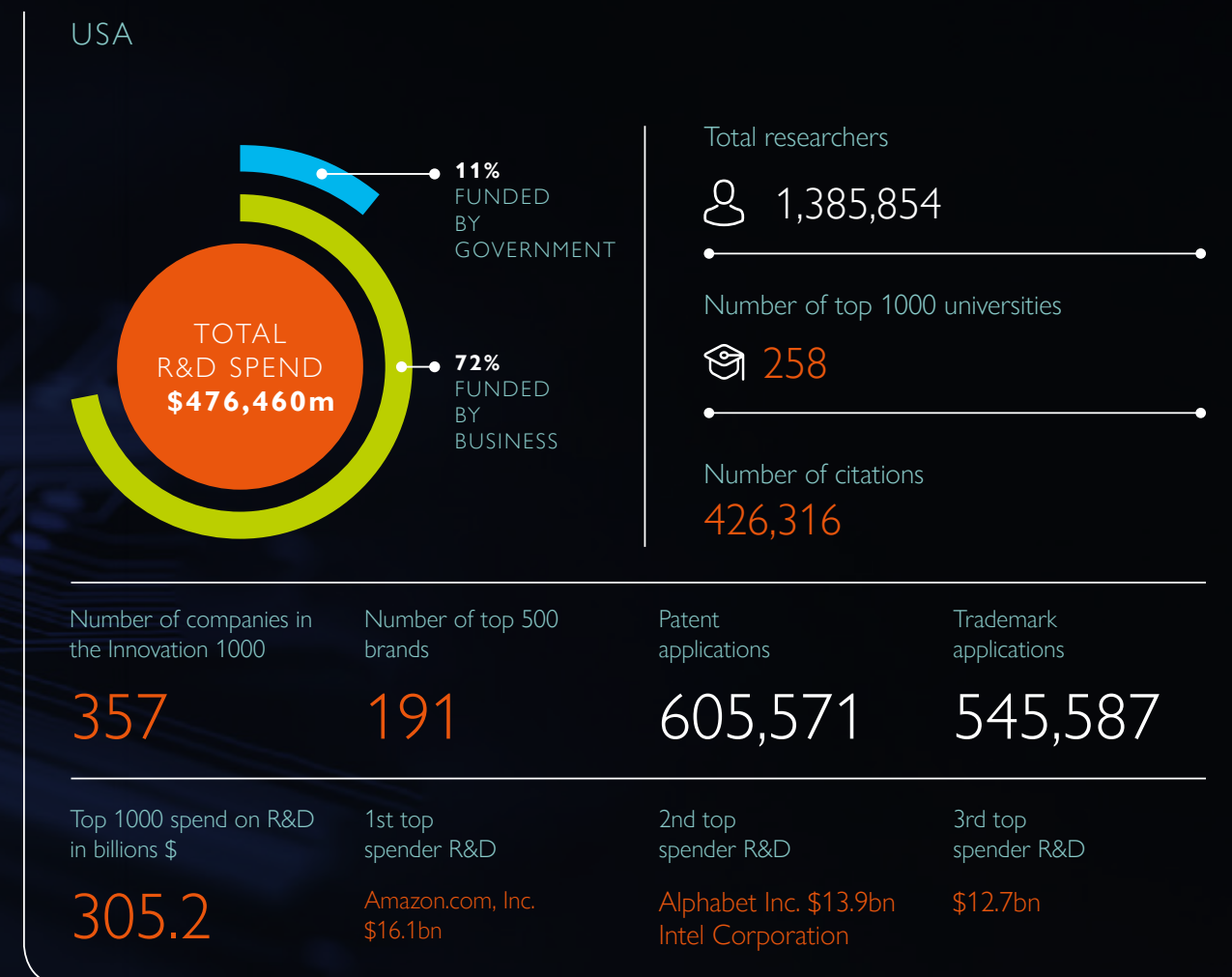
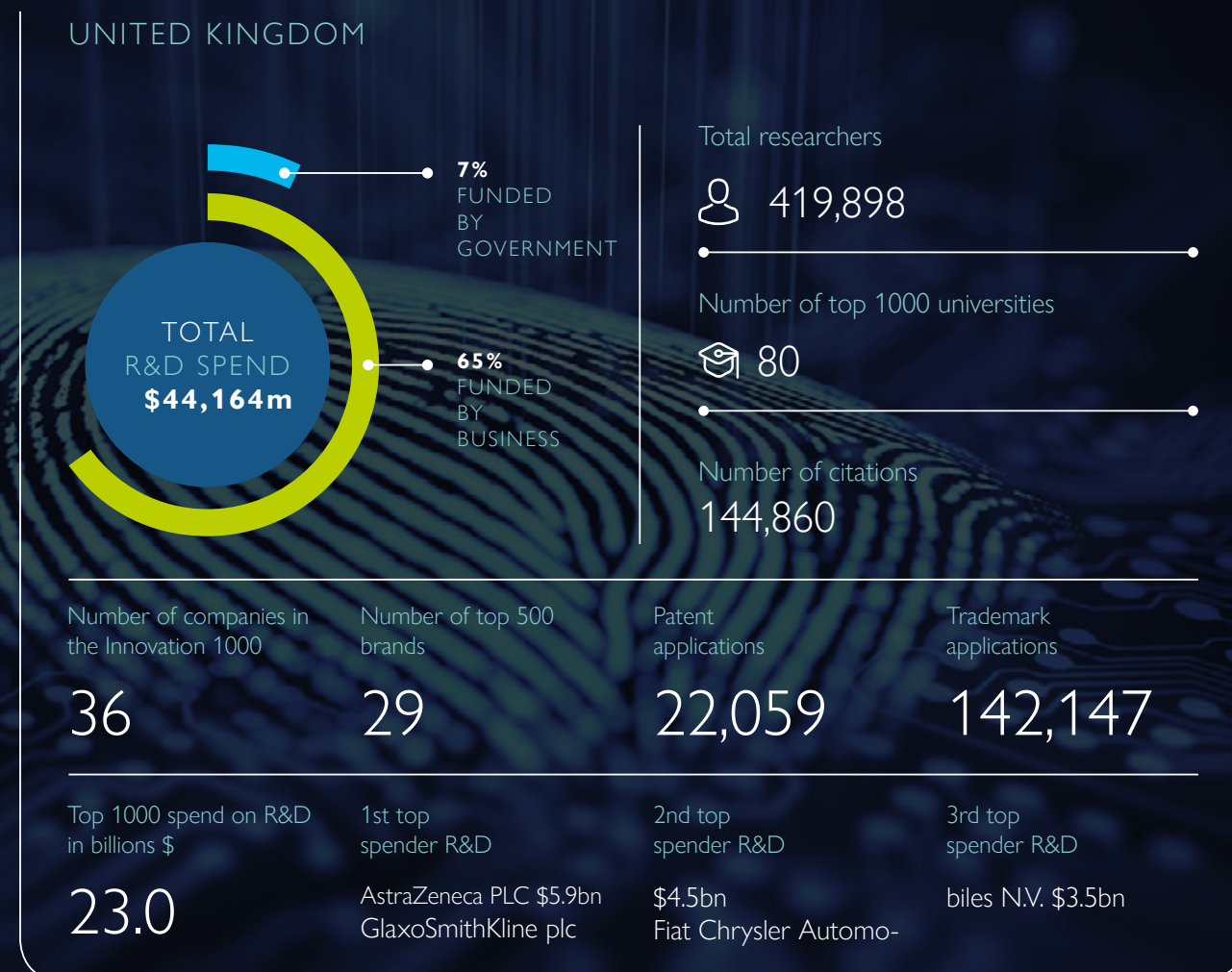
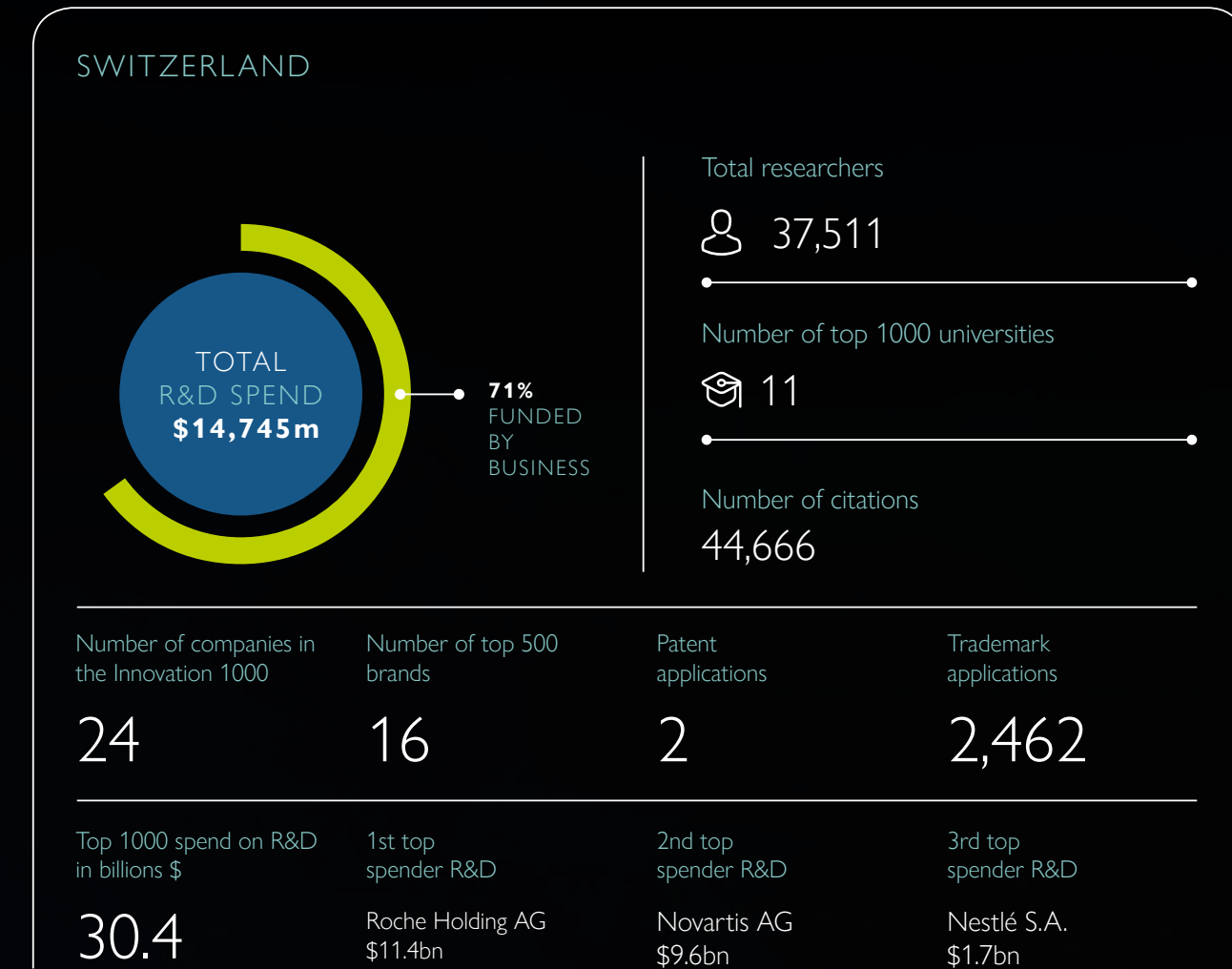
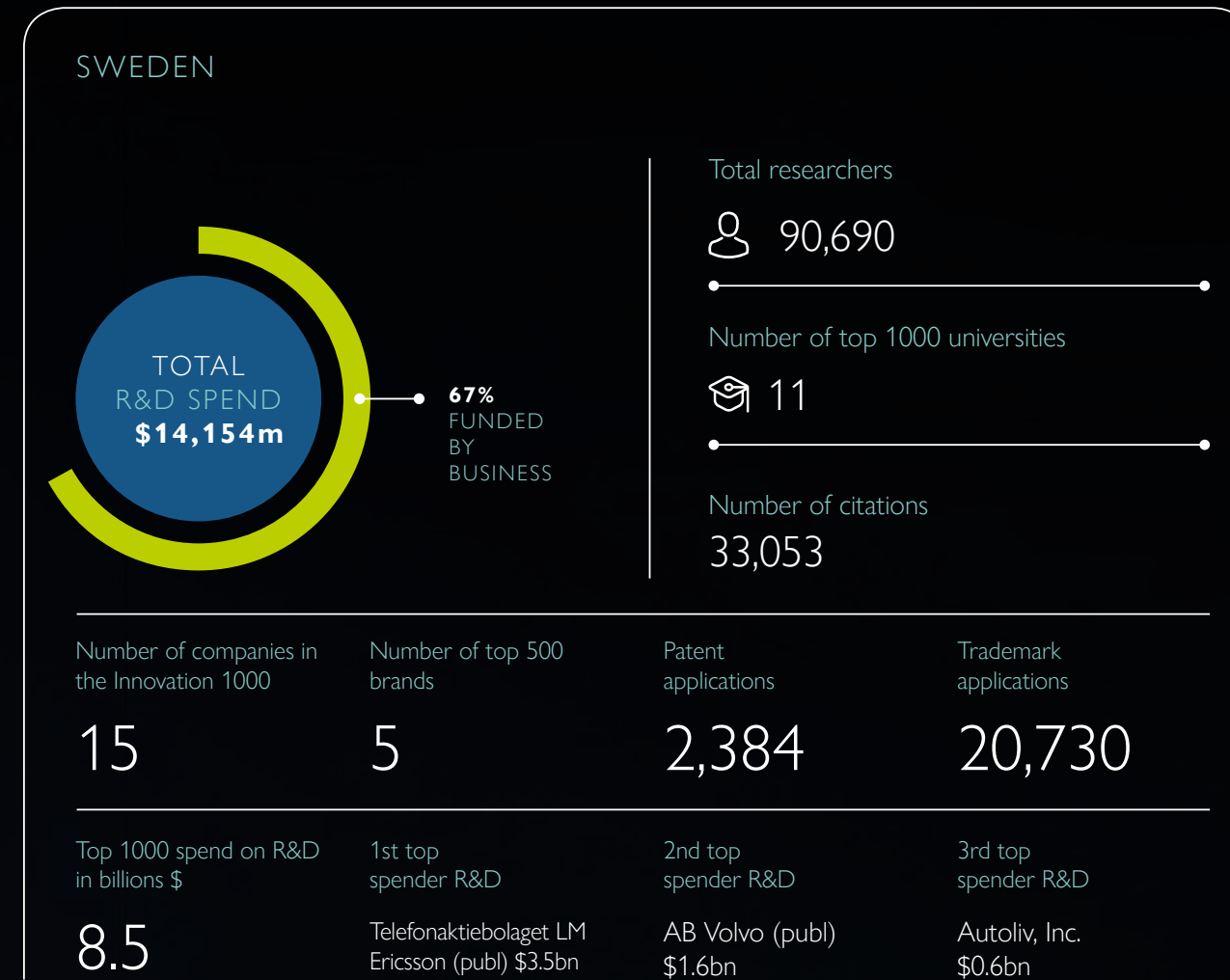
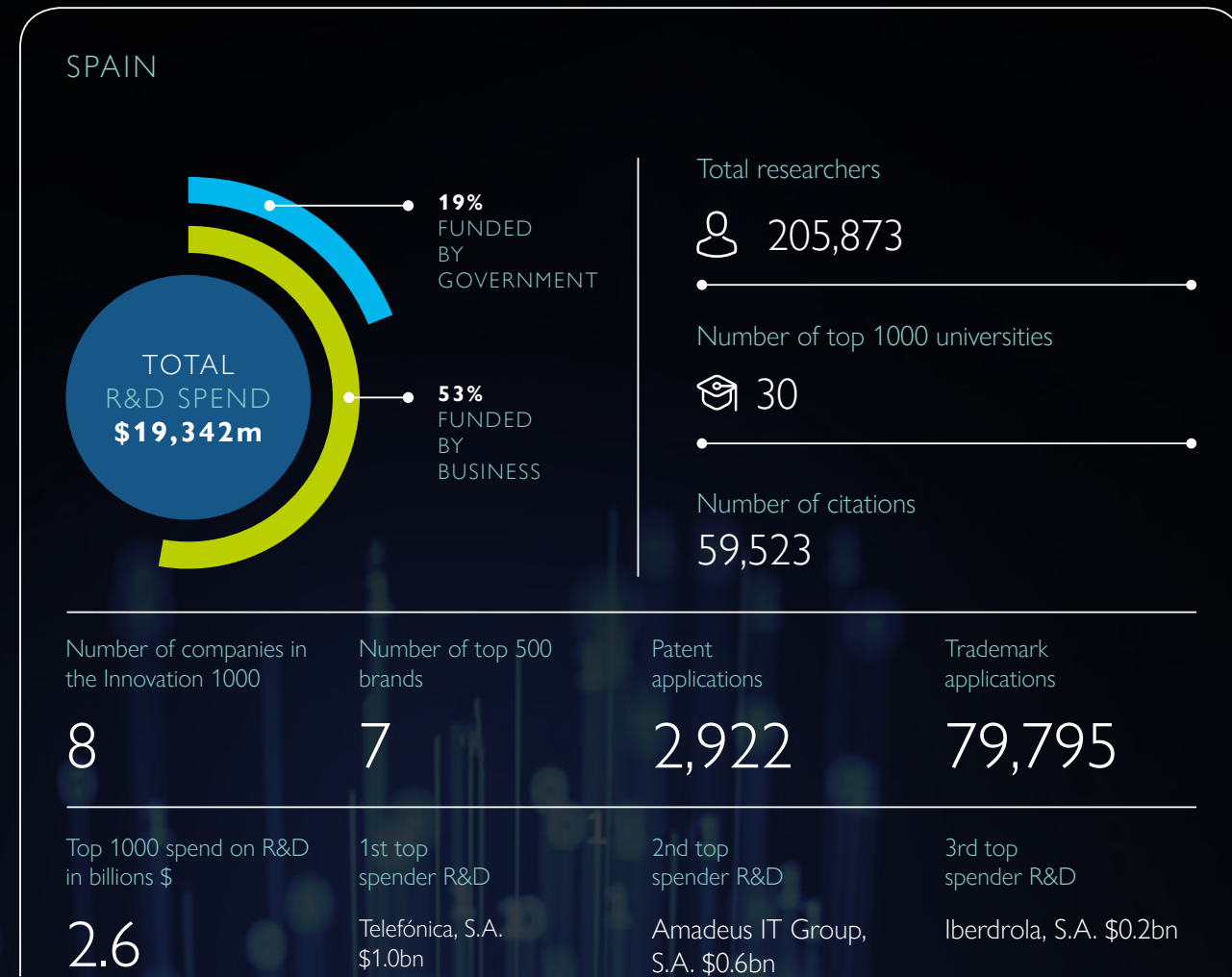


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# LEADERS IN INNOVATION

THE GEOGRAPHY OF INNOVATION IS CHANGING



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Top 1000 Innovators and innovation spend: PWC

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