

**Table 12.1: Turkey's achievements and targets for the economy, research and broadband, 2012–2023**

Variable (unit)	Base value	Tenth Development Plan (2014–2018) target		Value in 2018 or closest year	Eleventh Development Plan (2019–2023) target
	2012	2018	2023	2018	2023
<b>General targets</b>					
GDP per capita (current PPP\$)	20 640			28 205	37 423
Employment rate (% of population of working age)				47.4	50.8
Merchandise exports (US\$ billions)	152	277	500	168	227
Share of Turkish products in global trade (%)	1.0	1.5		1.0	
Share of high-tech products in exports (%)				3.2	5.8
Share of high- and medium-tech products in exports (%)				36.4	44.2
<b>Targets for R&amp;D</b>					
GERD/GDP ratio (%)	0.86	1.80	3.00	0.96 <sup>-1</sup>	1.8
Share of GERD performed by business (%)	43.2	60.0	66.7	56.9 <sup>-1</sup>	67.0
GERD performed by business as a share of GDP (%)	0.37	1.08	2.00	0.55 <sup>-1</sup>	
Expenditure by SMEs as a share of total GERD (%)				19.6 <sup>-1</sup>	25.0
Researchers (FTE)	82 122	176 000	300 000	111 893 <sup>-1</sup>	
Researches in business sector (FTE)	35 034		180 000	62 305 <sup>-1</sup>	
Share of researchers (FTE) employed in private sector (%)				55.7 <sup>-1</sup>	67.0*
Researchers with a PhD per million inhabitants				323 <sup>-1</sup>	863
Triadic patent applications (number)	35 <sup>-2</sup>	167		39 <sup>-4</sup>	
Turkey's global rank in new patent applications				13	10
<b>Broadband targets</b>					
Mobile broadband penetration rate (% of population)				74.5	100.0
Fibre broadband penetration rate (% of population)				3.4	11.5

\* Defined as the private sector's share

Note: Triadic patents are those submitted simultaneously to the European, Japanese and US patent offices for the same invention.

Source: Eröcal and Yegorov (2015); Rep. Turkey (2019b); WTO (2019) *World Trade Statistical Review*; UNESCO Institute for Statistics