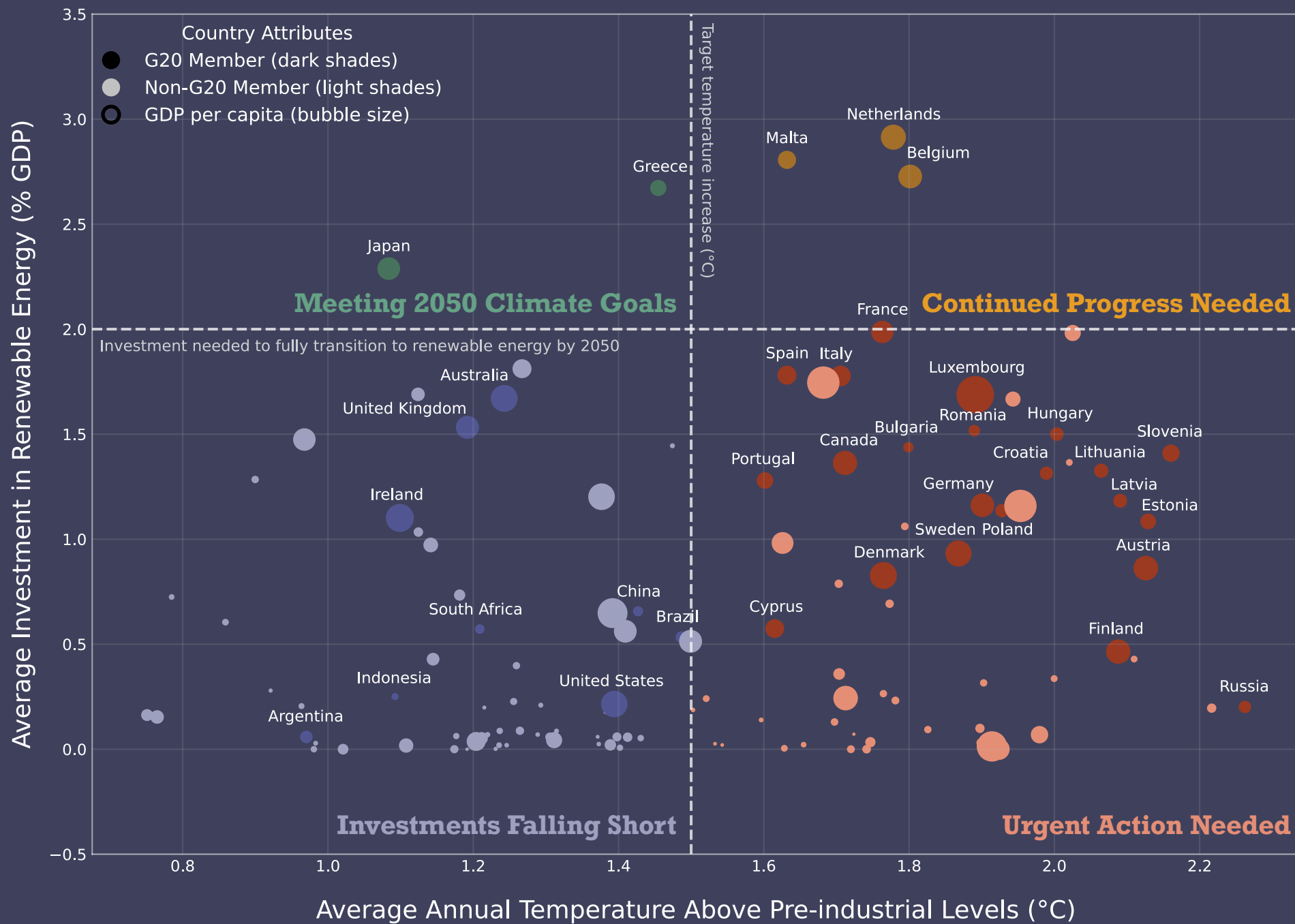


## G20 Countries Pollute the Most, but Fall Short of Renewable Energy Investment Target<sup>1</sup>

Average Investment in Renewable Energy by Average Annual Temperature Above Pre-Industrial Levels<sup>2</sup> (2010-2020)

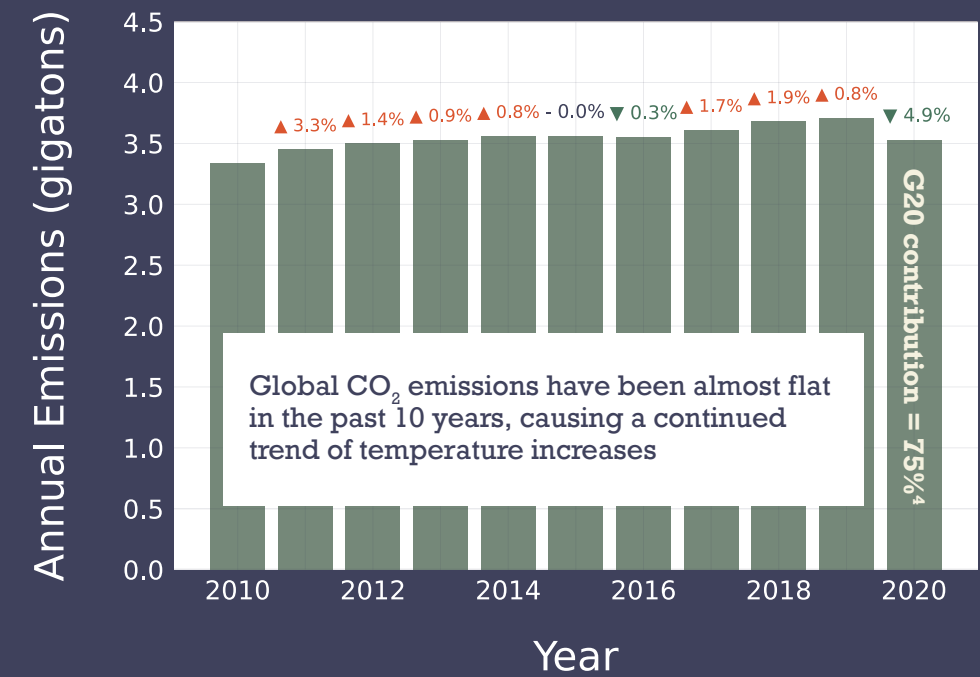


If the world wants to meet the Paris Agreement Goal of no more than 1.5° C temperature rise by 2050, global renewable energy investment must represent 2% of each country's GDP each year<sup>3</sup>

### CALL TO ACTION

Great progress, Japan and Greece!  
 Three G20 members need to reduce their pollution  
 China and USA must step up their investments  
 Most of G20 need to stop polluting and start investing

### Global CO<sub>2</sub> Emissions (2010-2020)



<sup>1</sup>Data Source: International Monetary Fund. 2022.Climate Change Indicators Dashboard. Environmental\_Protection\_Expenditures & USAData\_RenewableInvestment\_2010-2020, <https://climatedata.imf.org/pages/access-data>. Accessed on 2023-01-18 (Palau and Marshall Islands were outliers excluded from the plot. They invested significantly more and experienced less temperature change than other countries (4.9% and 5%; 1.17 and .9 degrees, respectively);

<sup>2</sup>The X-axis temperature was calculated as the average deviation from the baseline over the past 10 years. 1951-1980 baseline was adjusted by 0.25° C based on the 2018 IPCC Report ([https://www.ipcc.ch/site/assets/uploads/sites/2/2018/12/SR15\\_FAQ\\_Low\\_Res.pdf](https://www.ipcc.ch/site/assets/uploads/sites/2/2018/12/SR15_FAQ_Low_Res.pdf)); <sup>3</sup>IRENA 2018 Report ([https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2018/Apr/IRENA\\_Report\\_GET\\_2018.pdf](https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2018/Apr/IRENA_Report_GET_2018.pdf)); <sup>4</sup>UN Net Zero Report (<https://www.un.org/en/climatechange/net-zero-coalition>)