

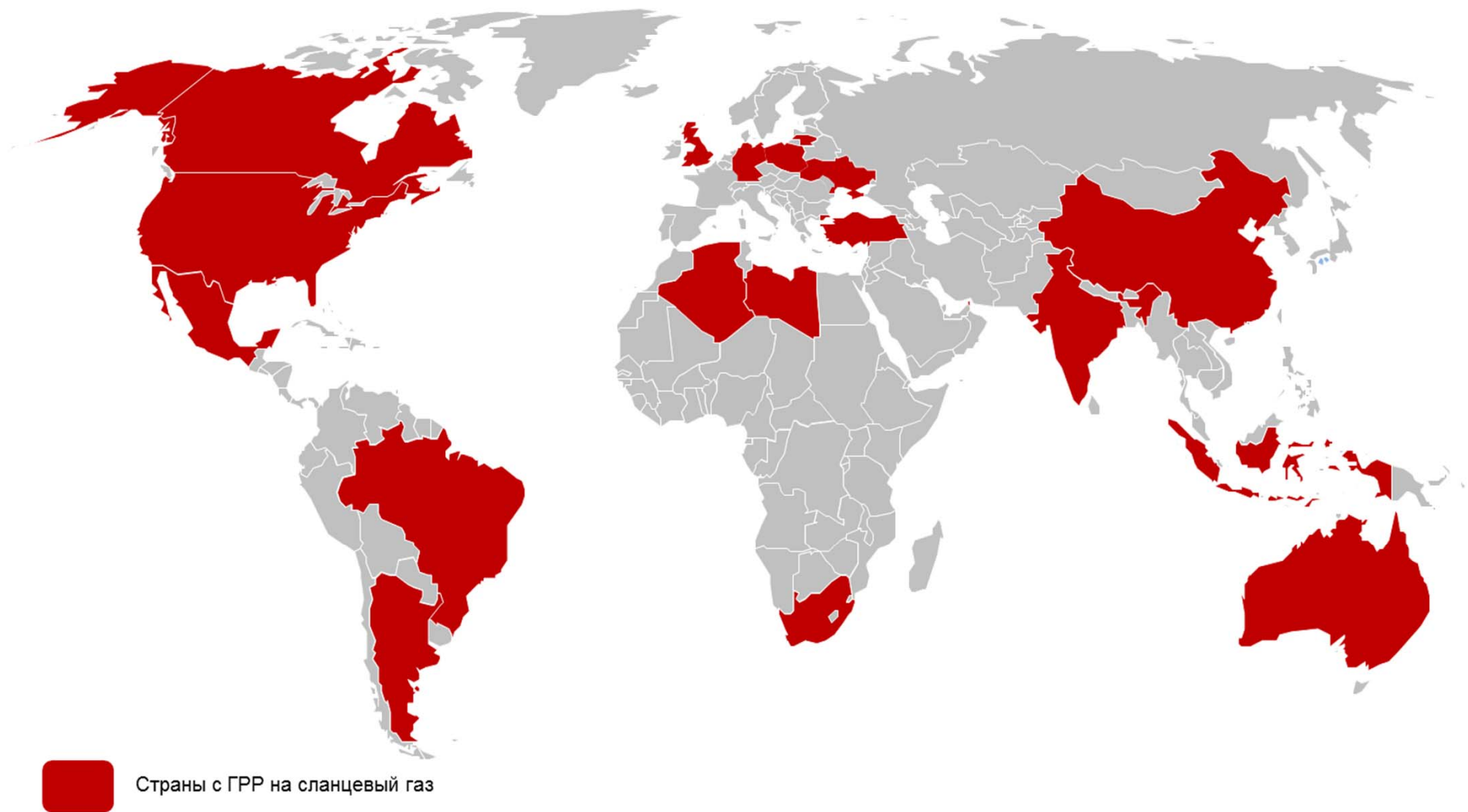
Energy agenda: two sides of coin



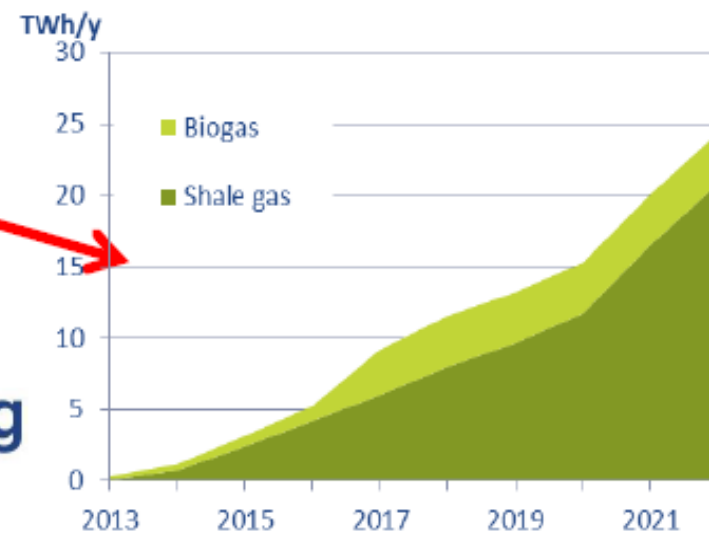
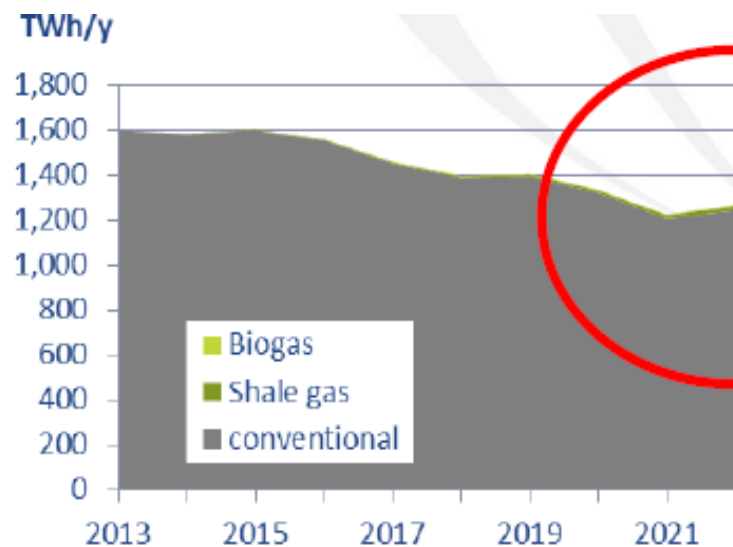
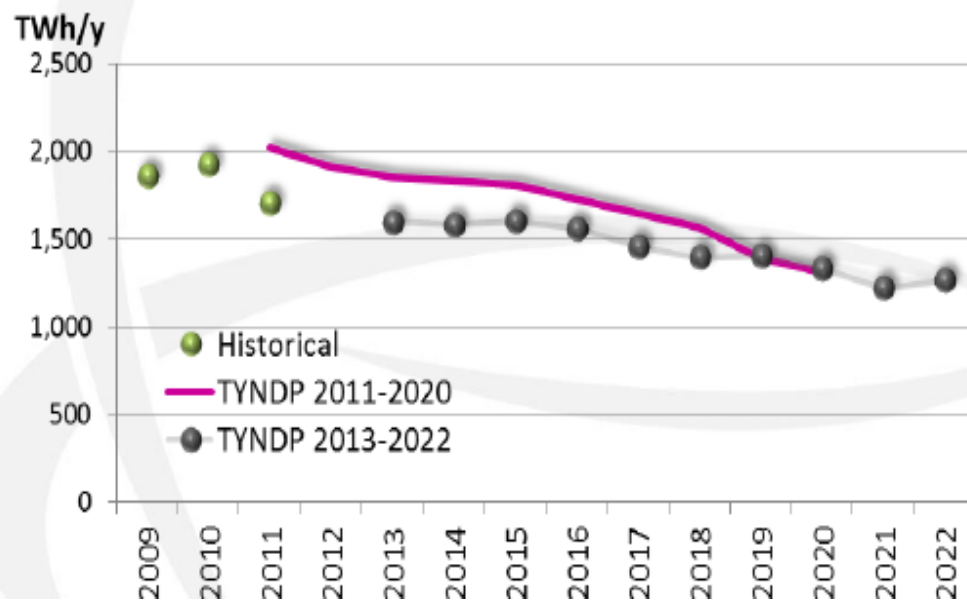
Svetlana Melnikova
Energy Research Institute
of the Russian Academy
of Sciences

St Petersburg, 13.09.2013

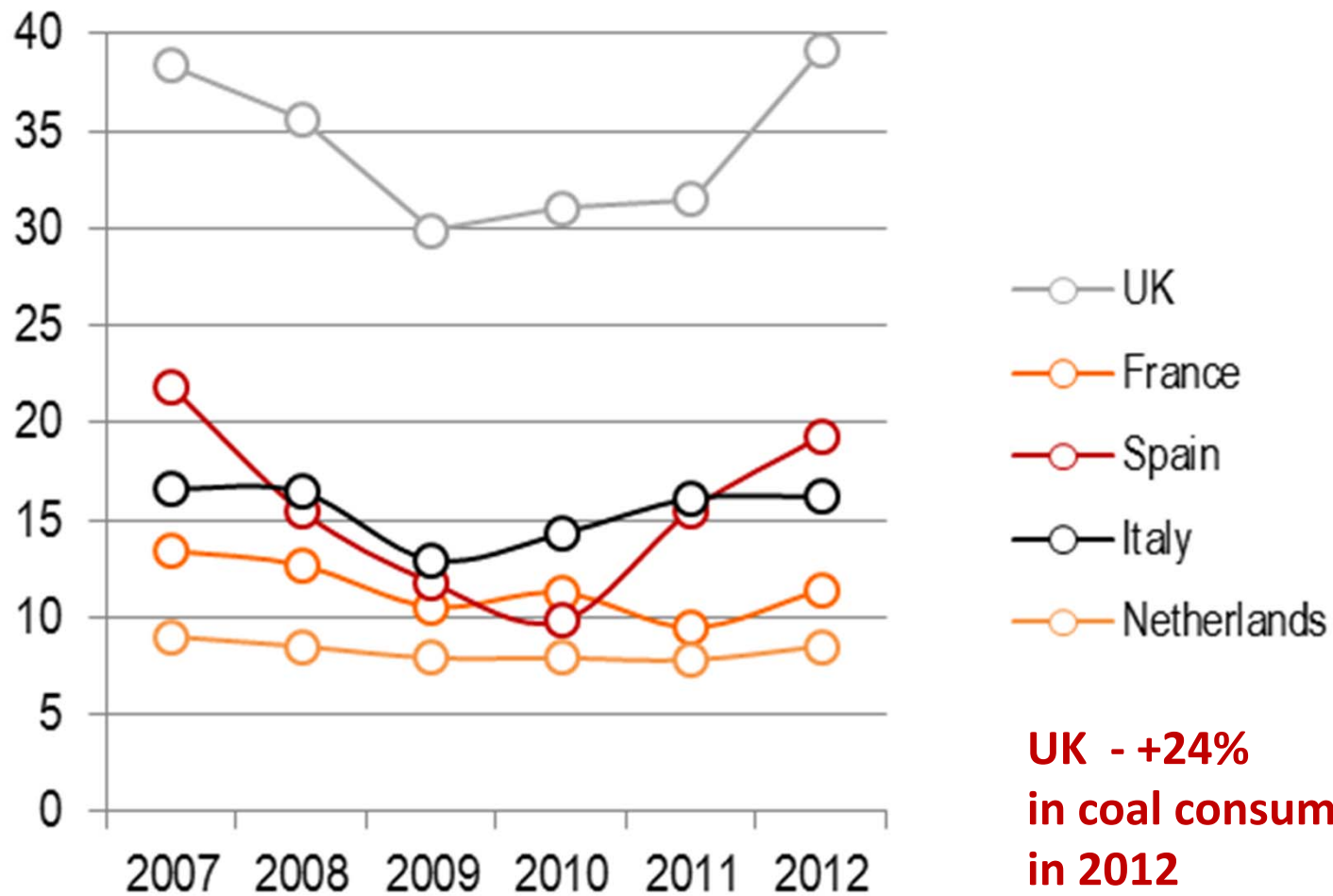
“Shale gas revolution” spreads over the world - 2013



ENTSOE forecast: Indigenous production in Europe

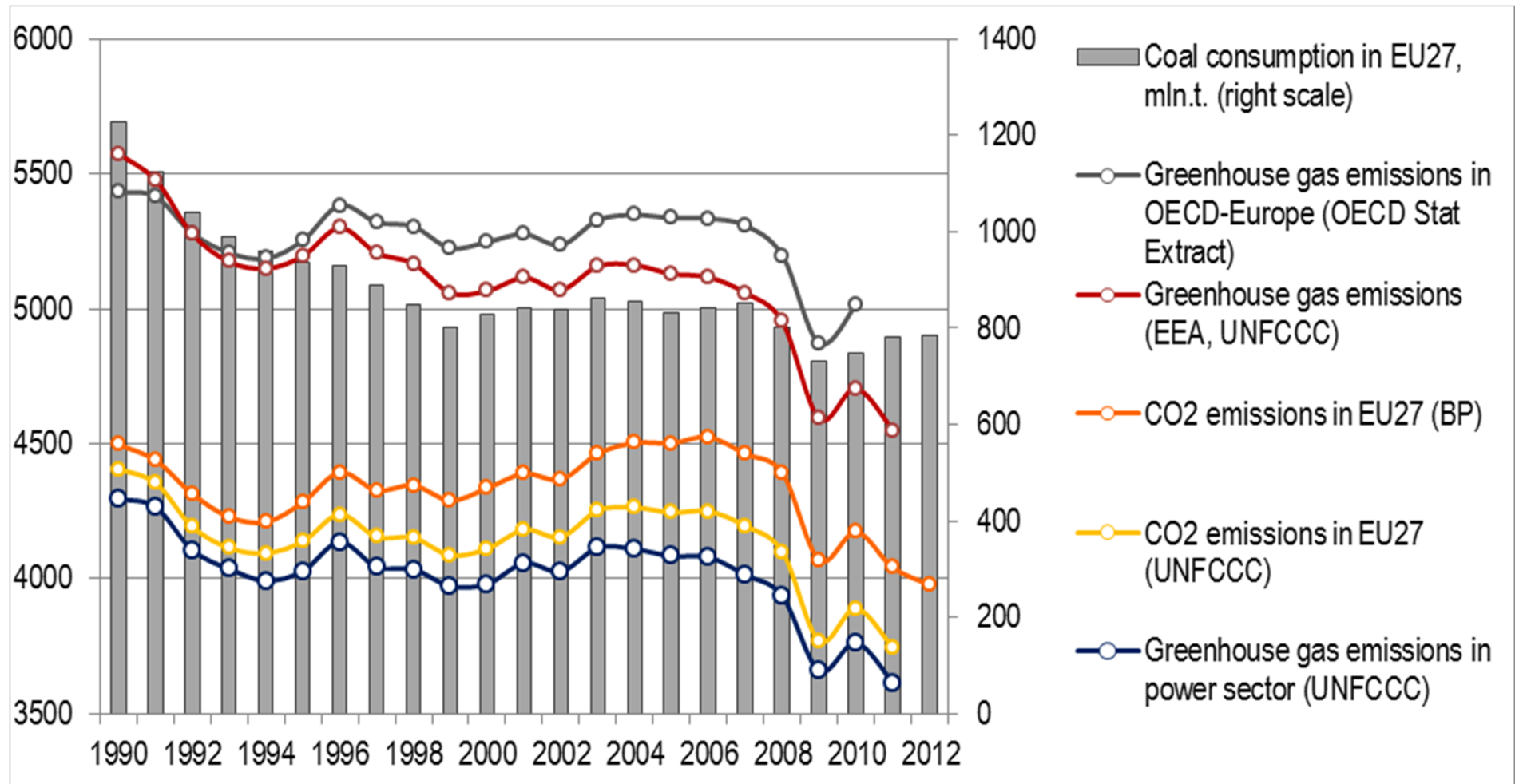


Coal consumption in few European countries, mln.t/y



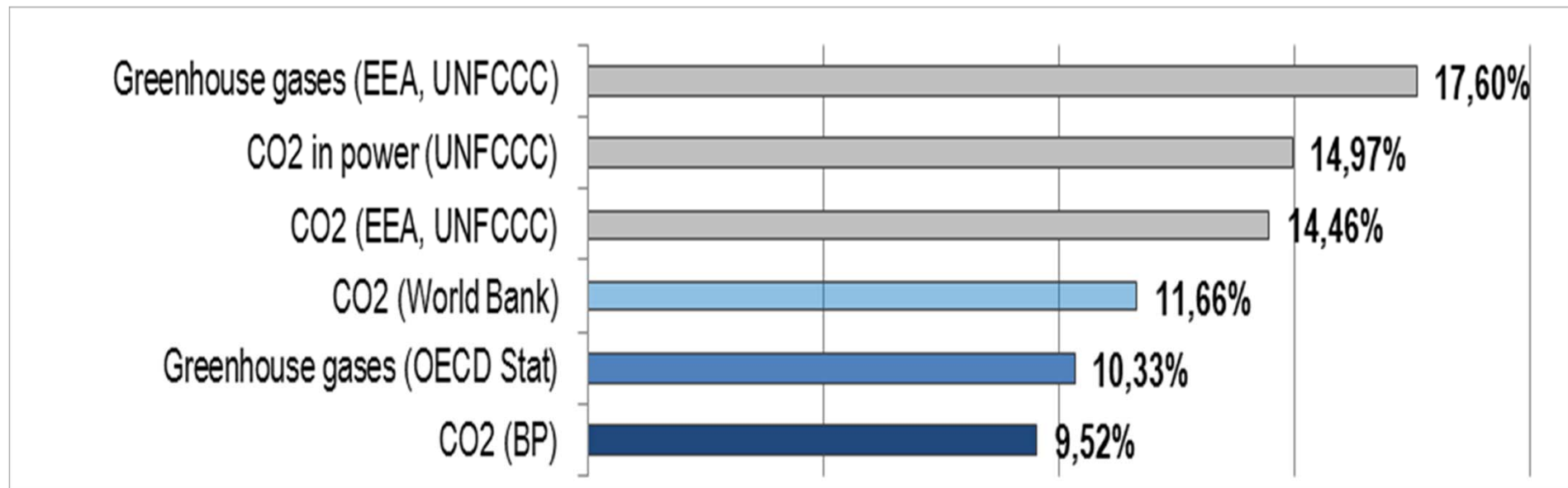
UK - +24%
in coal consumption
in 2012
France – up to 20%.

Greenhouse gases and CO2 emission dynamics in Europe in 1990-2012, mln.t



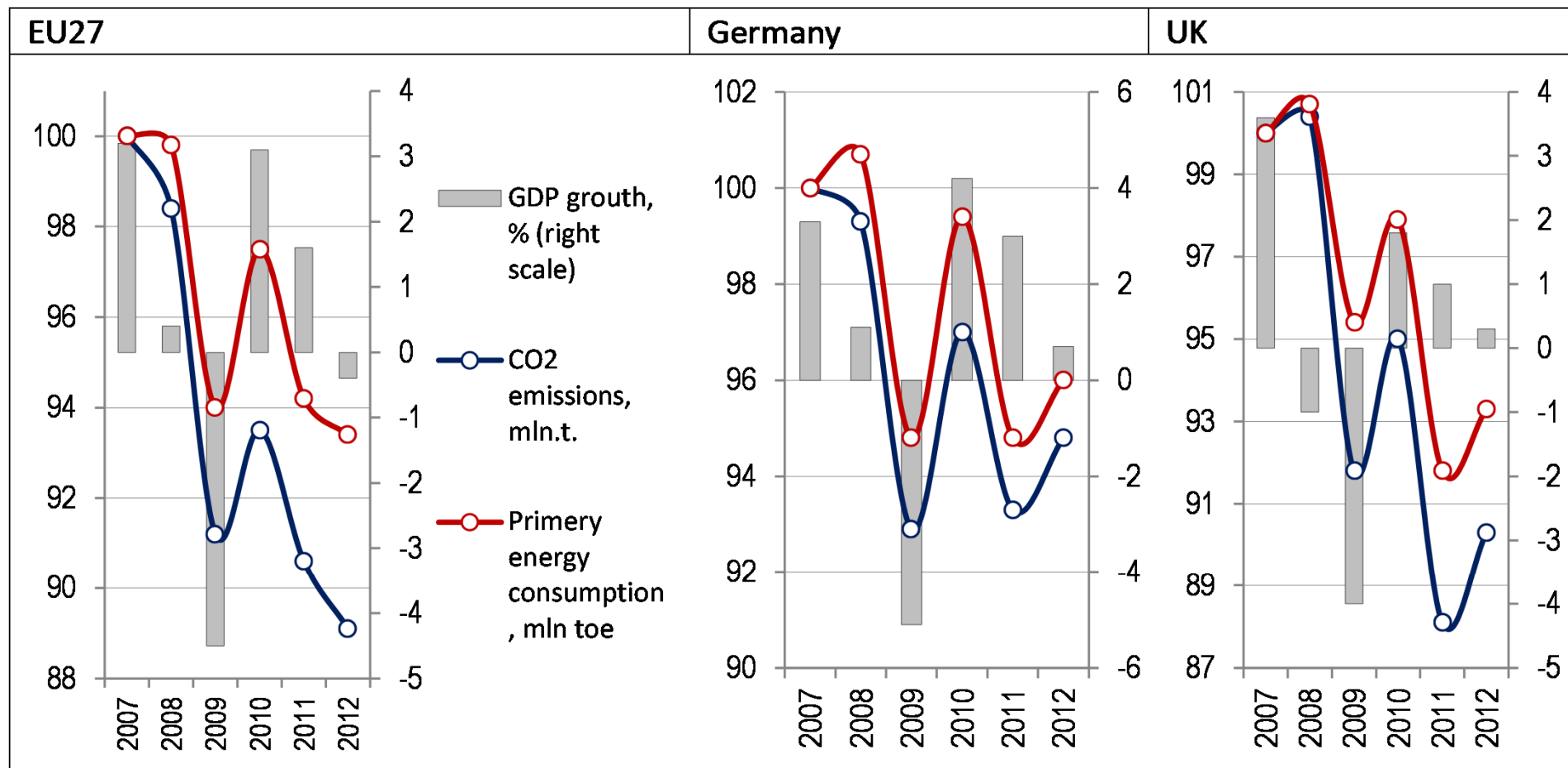
Source: OECD Stat Extract, European Environment Agency (EEA), United Nation Framework Convention on Climate Change (UNFCCC), BP Statistical Review 2013 (BP), Eurostat

CO2 and greenhouse gases emissions decrease in Europe in 2009 compared to 1990 level, %



Source: OECD Stat Extract, European Environment Agency (EEA), United Nation Framework Convention on Climate Change (UNFCCC), BP Statistical Review 2013 (BP), World Bank

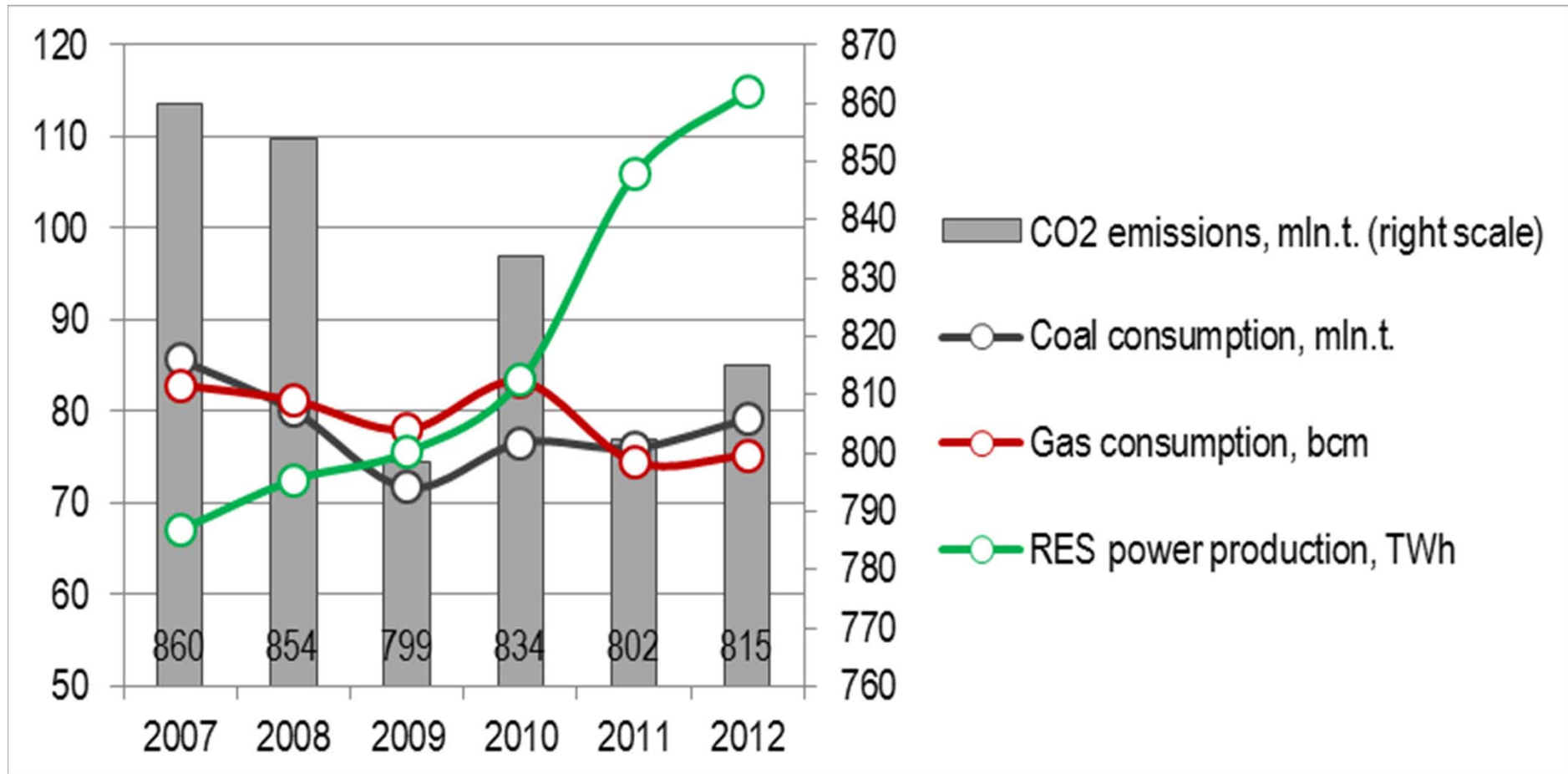
Annual GDP increase and primarily energy consumption index together with CO2 emissions in EU-27 countries, Germany and UK (2007=100%)



CO2 emissions increase in 2012:

UK (+2,5%), Switzerland (+2,7%), Slovakia (+0,5%), Norway (+0,9%), France (+0,7%) and Germany (+1,6%).

Gas and coal consumption, RES energy generation and CO2 emissions dynamics in Germany



Source: Eurostat, BP statistics review