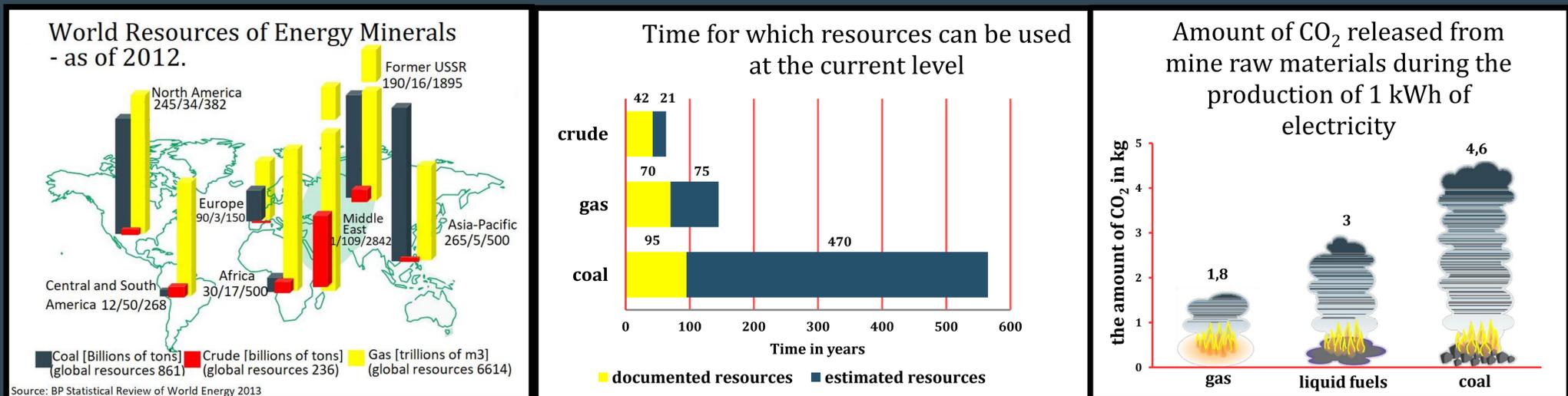


# RER – PANACEA FOR THE ENVIRONMENT

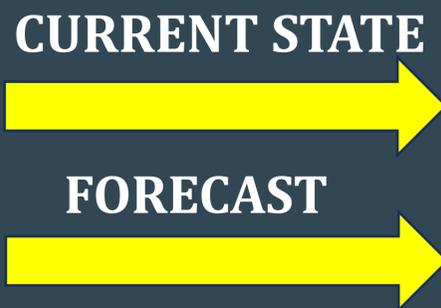
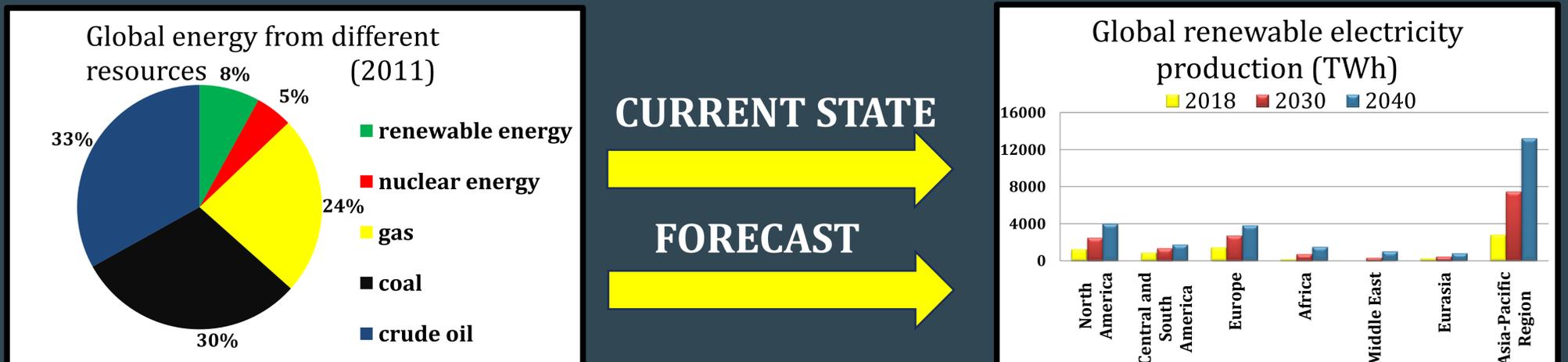
Unconventional renewable energy resources are the future for Poland and the whole world because non-renewable resources used to produce conventional energy will soon be depleted. Therefore, it is important to develop environmentally friendly alternative energy resources. This will protect the natural environment, which is largely exploited by extraction and combustion of fuels, leading to air, water, and soil pollution. The effects of over-exploitation of fossil fuels are visible in the environment and are already being felt today.

Aim of the study: to study the level of global energy minerals; to estimate how long they will be sufficient for the needs of the population; and to investigate the level of consumption of renewable energy resources.

Hypothesis: Renewable energy resources are the only way to save the environment and thus enable sustainable development.

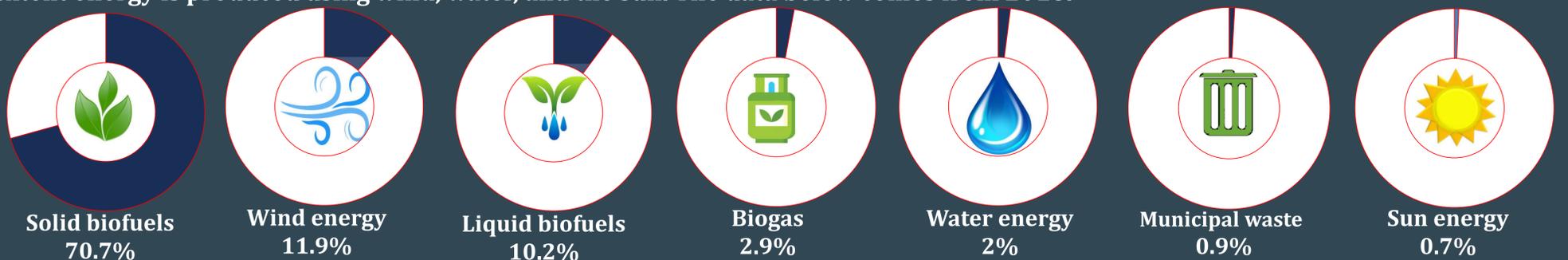


The largest reserves of energy resources are located in Asia and North America; the smallest in Europe. Data shows that non-renewable resources will be sufficient for mankind for less than 100 years. Moreover, estimations of the level of hidden resources are not cause for much optimism. In addition, when they are processed during the production of electricity, large amounts of CO<sub>2</sub> are released, which exacerbate the greenhouse effect having a negative impact on agriculture, health, and the environment.



Globally, coal, crude oil, and gas dominate among energy resources. However, problems related to climate change, as well as legal and economic regulations, force the transition from fossil fuels to renewable energy resources. The development of alternative energy resources has become a global movement that is effectively entering energy markets with an upward trend. Currently, the largest producer of green energy is the Asia-Pacific region; the least renewable energy is produced in Eurasia.

Green Energy is also produced in Poland. Currently the most popular source of renewable energy are solid biofuels; to a lesser extent energy is produced using wind, water, and the sun. The data below comes from 2018.



Global governments are making efforts to become independent of fossil fuels, protect the climate and the health of their citizens. Energy from renewable resources is produced everywhere, with the largest economies investing massively in it, i.e. the United States and China. Many countries will soon produce energy only with the use of this method, with others planning to follow suit. This will help to meet the needs of future generations and save the environment. We are therefore witnessing ground-breaking events that will have a decisive impact on the fate of the world.

SOURCES: The poster was prepared on the basis of statistical data from research conducted by the Central Statistical Office: „Energia 2018r. GUS, Warszawa 2018 r.”; Ministry of Economy of Poland: „Strategia Rządu RP dla górnictwa węgla kamiennego – co czeka polskie górnictwo w najbliższych latach”; website: <https://inzynieria.com>; and the article from 06.05.2020: „Odnawialne źródła energii w Polsce i na świecie. OZE – niezbędne dla świata”.