Blue Energy and hydrogen; the future?

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Blue energy is generating energy by using the difference in the concentrations of ions between sweet and salt water. This is interesting for the future because the process doesn't result in CO2 emissions. We also want to consider choosing hydrogen as our way to transport energy in the future. Therefore our question is: What is the role of Blue Energy and hydrogen in the energy field of the future? Our hypothesis is that the role of Blue Energy will not be very big because there is a limited amount of places where the Blue Energy can be generated, but the role of hydrogen could be substantial when we can use for example excess green energy from plants at sea to create it.
We will use opinions from experts and calculations based on the statistics we found online to make a well-informed prediction for the future.
We expect that, at the end, we will have made a well-informed prediction for the future.