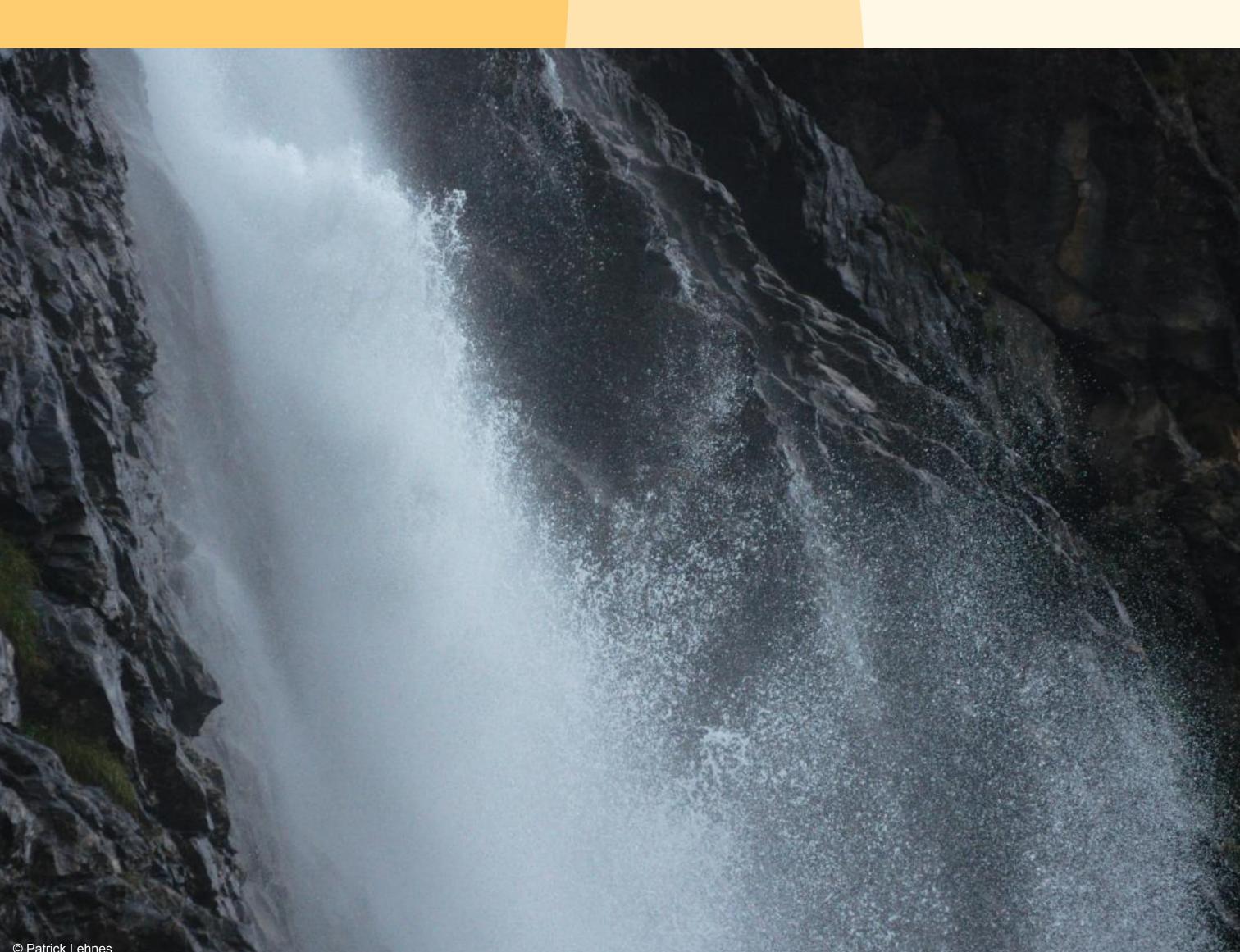
## Always in motion

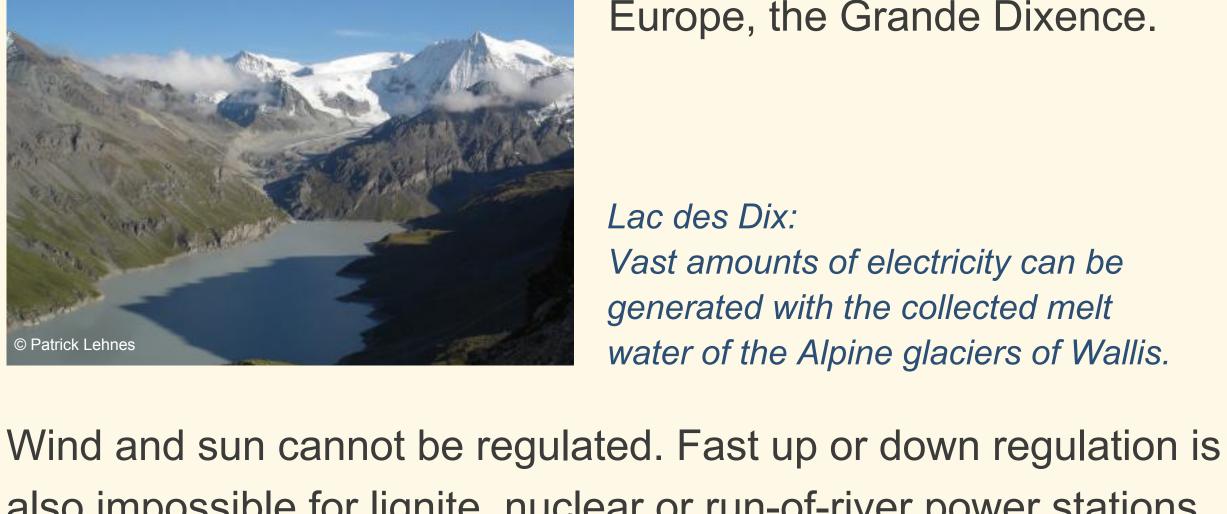


must flow. Whilst the water's energy can easily be stored, problems arise when storing electric current.

With electricity it is the same as with water for hydro power: it

formed, and whenever hydro power is required, a water outlet is opened. That's how it was done with mill ponds, later the same principle was applied to reservoirs of large rivers such as the Nile, including the highest dam in Europe, the Grande Dixence.

For storing water all you need to do is build a dam. A reservoir is



Lac des Dix: Vast amounts of electricity can be generated with the collected melt water of the Alpine glaciers of Wallis.

also impossible for lignite, nuclear or run-of-river power stations. What to do with surplus electricity? No waste of electricity

## As early as in the 1920s the provincial government of Baden

picked up an ingenious idea: surplus energy produced by the big power stations could be used to



Oberrhein and the hydropower stations on the Hochrhein.

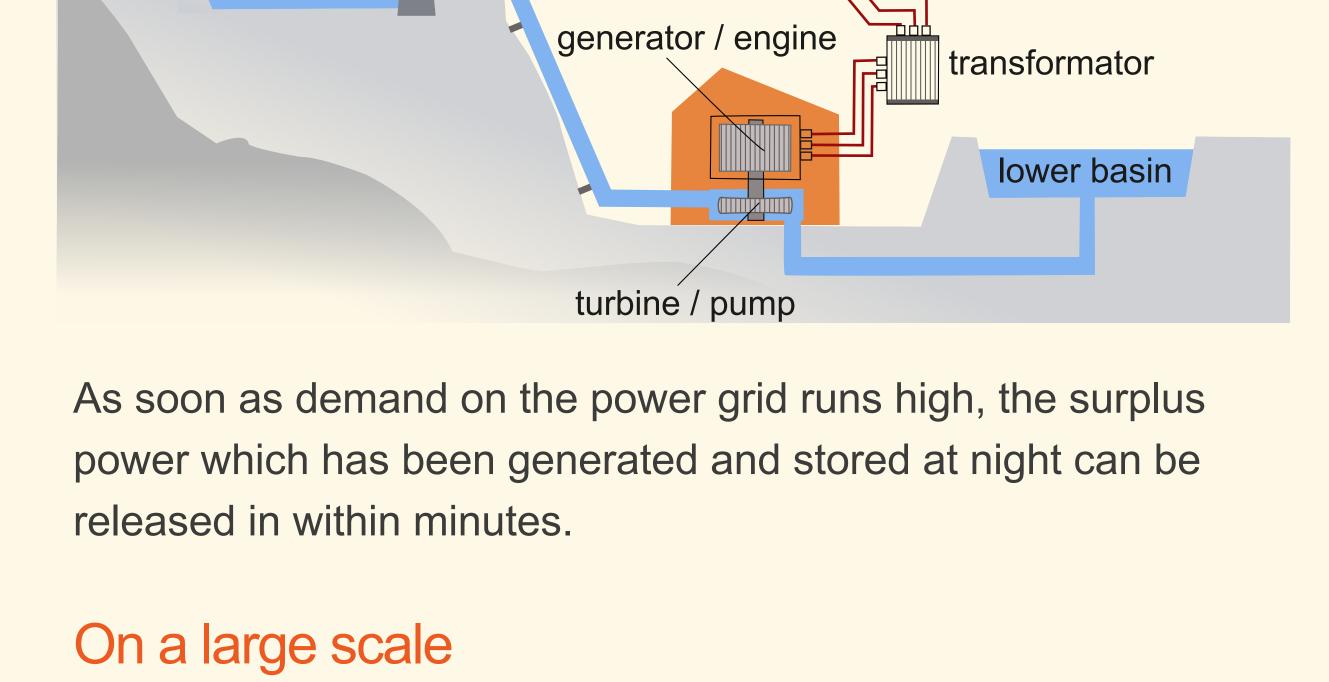
upper reservoir

from Germany intermediately.

reservoir. Thus dams and pumped-storage hydro power plants were built on the Schwarzenbach in the Northern Black Forest and on the Schluchsee lake. However, they were a long way off from the big power stations and centres of energy consumption. Thus these pumped storage plants were linked via a new high voltage power grid with the coal power stations and the cities of the

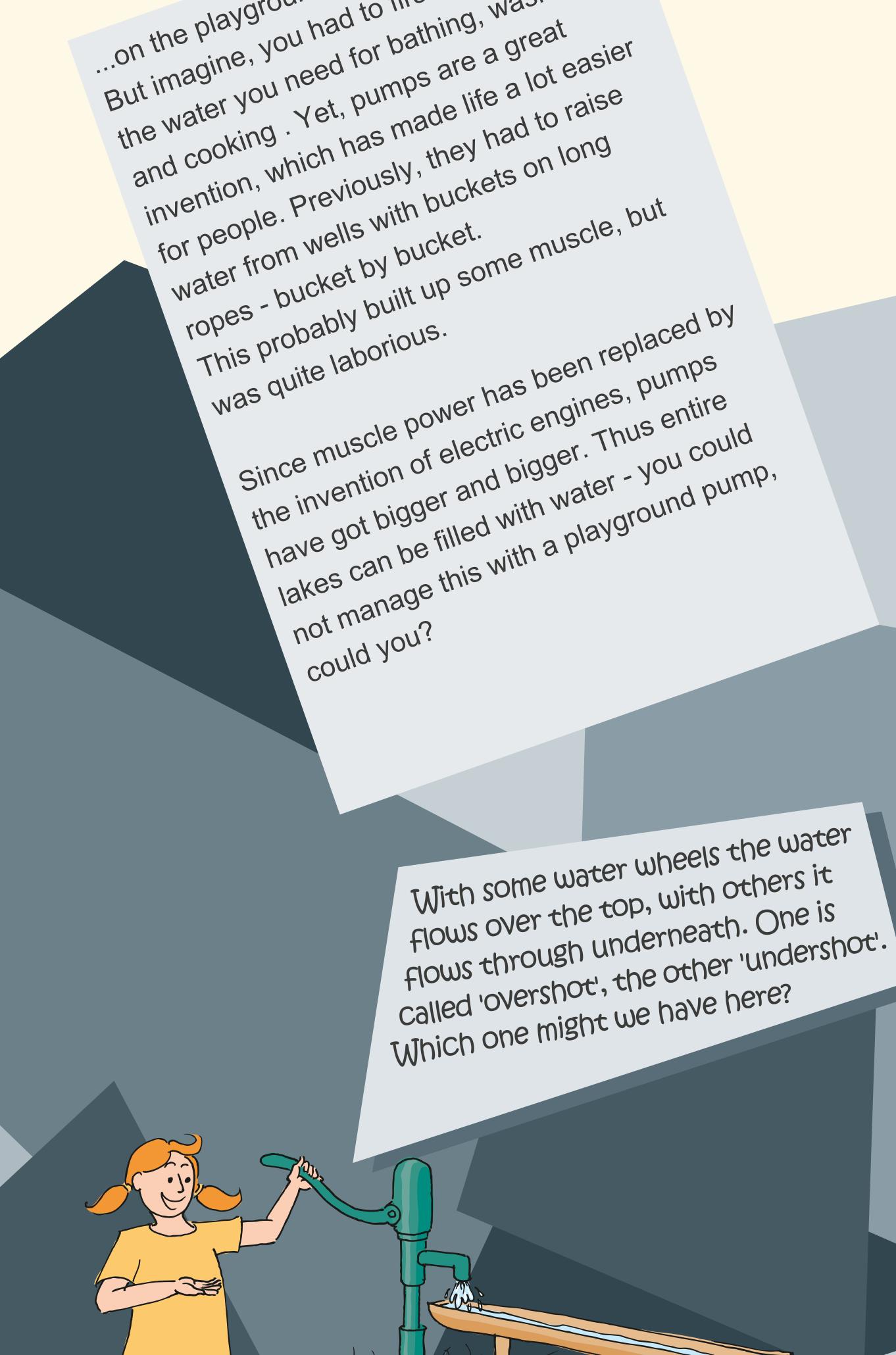
pump water uphill for storage in a

barrage



In the course of the transition to renewable energy high voltage cables are lain from Germany through the North Sea to Norway. The Norwegians convert already existing reservoirs into pumpstorage power plants in order to store surplus wind and solar energy

...on the playground at any rate.
But imagine, you had to first pump up all the water you need for bathing, washing,







A ridely tisten