

The renewable energies



French delegation

One of the first windmill

the XII century, the first windmill with p



The windmill of the middle ages

ill is the ancestor of the turbine.
l in the middle ages



The windmill with sails



the mill is moving in the direction of the



Windpumps with horizontal axis

to convert wind energy in to mechanical



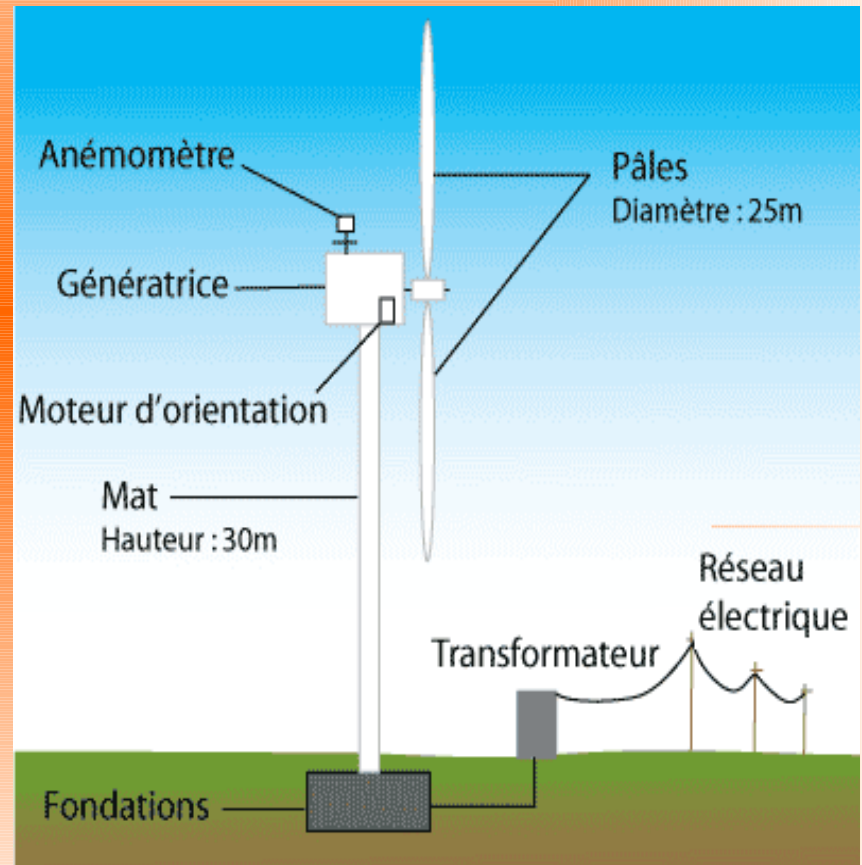
Windpump with vertical axis



The device of energy conversion is at the foot of the windpump

Shema of a windpump

The power collected by the pales goes to the engine and to the electricity network.
0,7% is produced by windpumps.



Hydrolic dam and hydrolic power (part one)

A dam is an art structure built accross a river and intended to hold back water

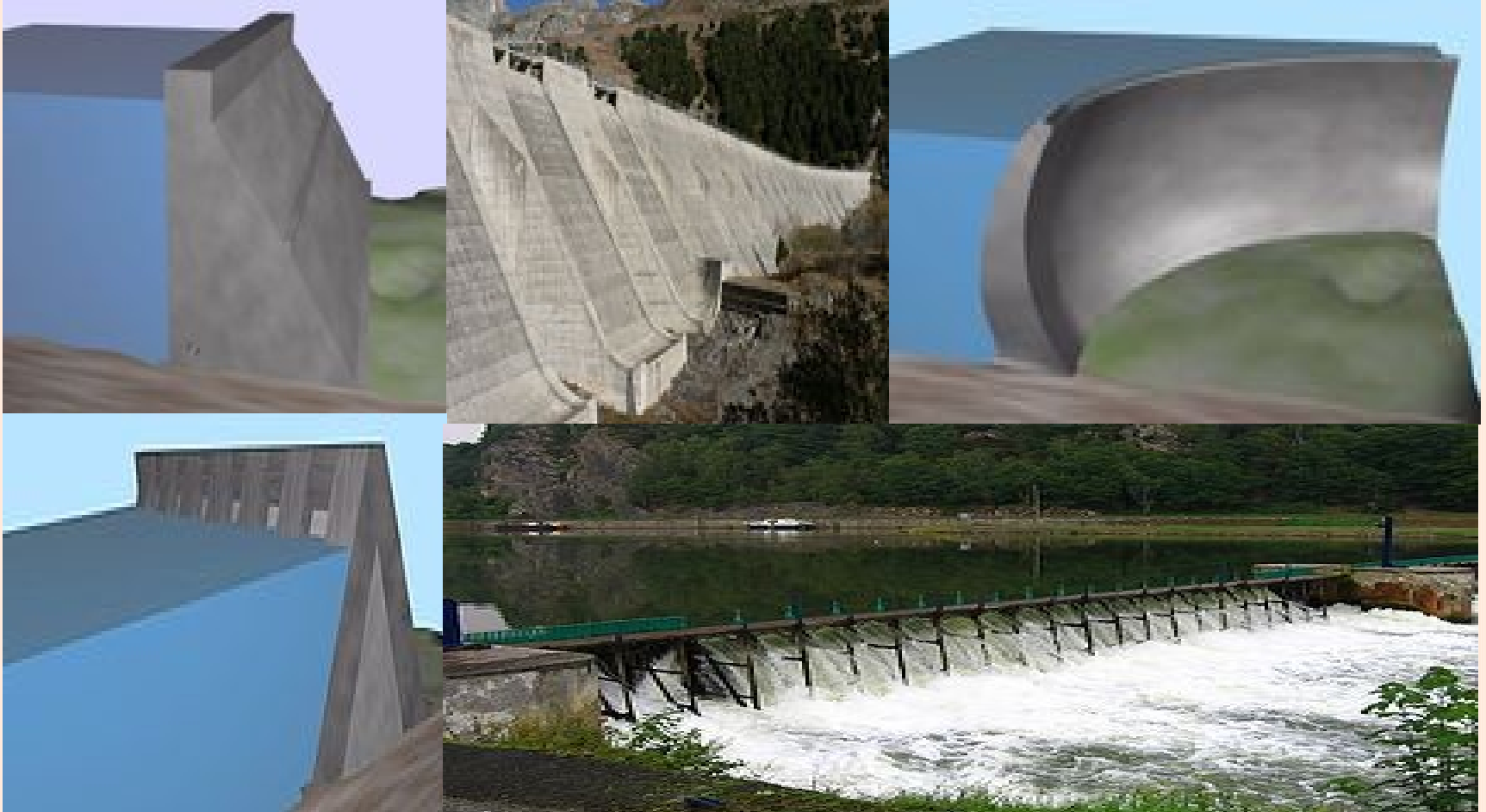


Hydrolic dam and hydrolic power (part two)



A dam allows to regulate the flow of a river

Different types of dams



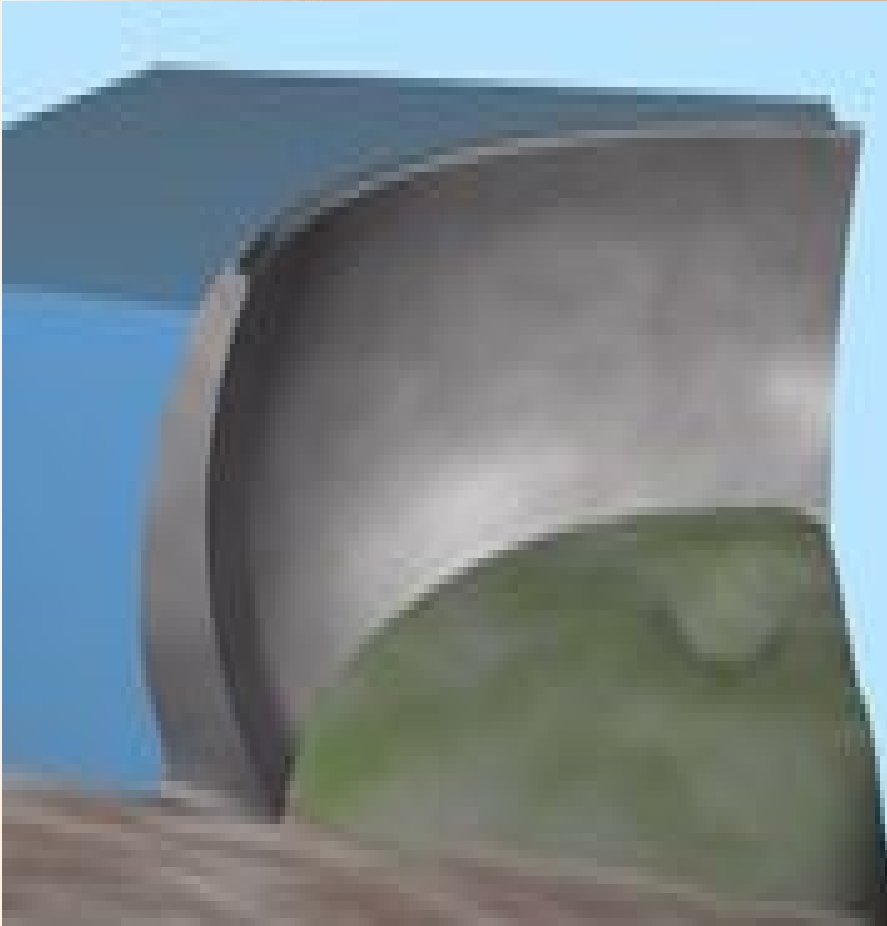
Dam weight

Constituted by its own weight it is sufficient to resist the water pressure

11,6% of the energy of France is produced by dams.



Arch dam



Water pressure is transferred on the slopes of the valley through a horizontally curved concrete wall.

Organic fuel oils



Raw Materials for organic fuel oils.

- Rape
- Corn
- Wheat
- Organic Ethanol



Description of organic fuel oils.



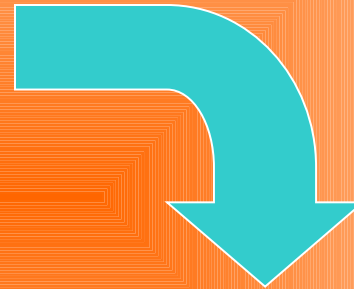
They are produced from crops or vegetable waste.

They have properties similar to those of oil.

Shema of organic fuel oils



- RENEWABLE FUELS



- CORN

- BIO CAR



Solar panels

A device intended to collect sun energy.



Thermal solar panel

The thermal solar panel converts light into heat and uses it as hot water.



Photovoltaic panels

The Photovoltaic panels convert light into electricity. Panels produce 10,7% of energy in France.



**THE FUTURE DEPENDS ON
YOU.**

Will you take it into account ?