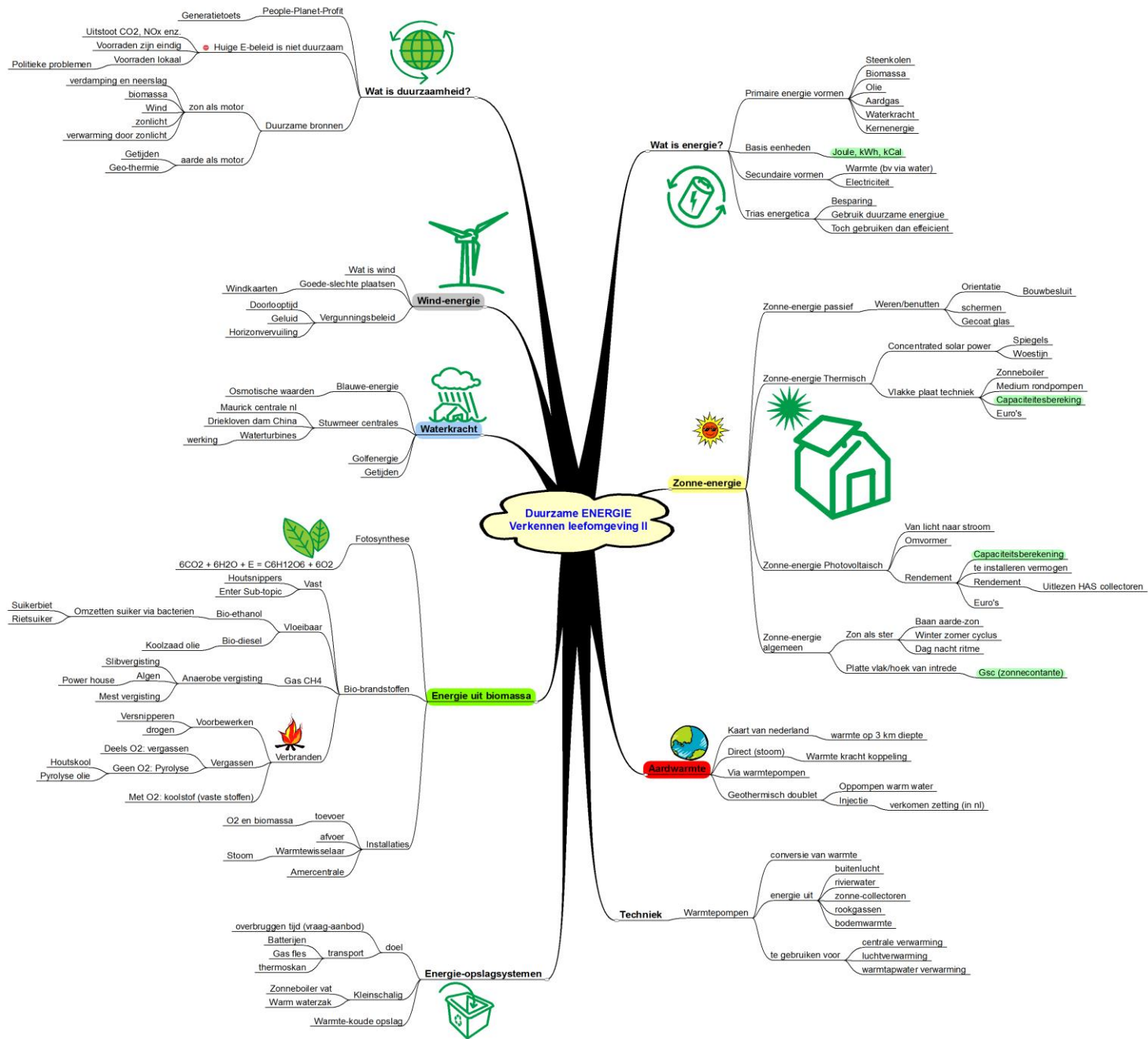
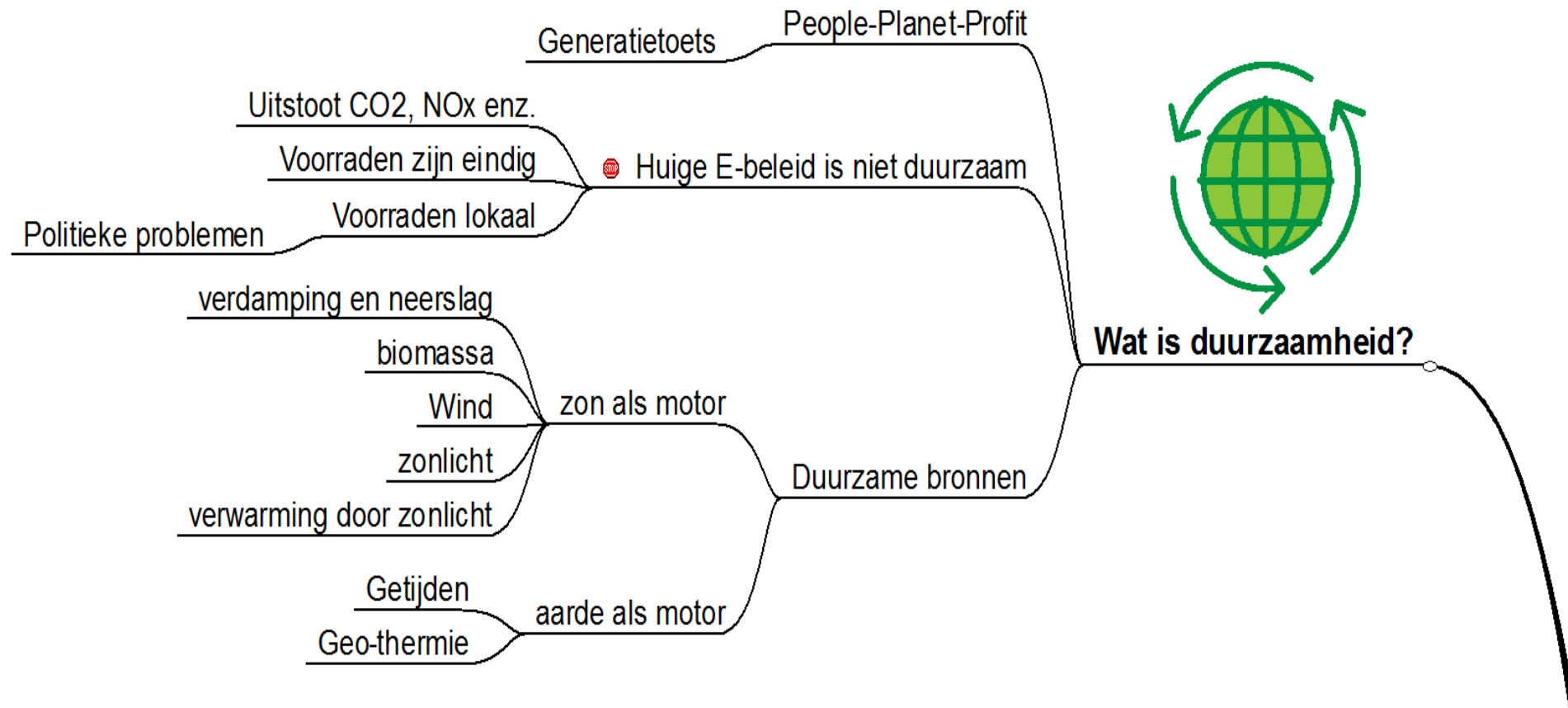


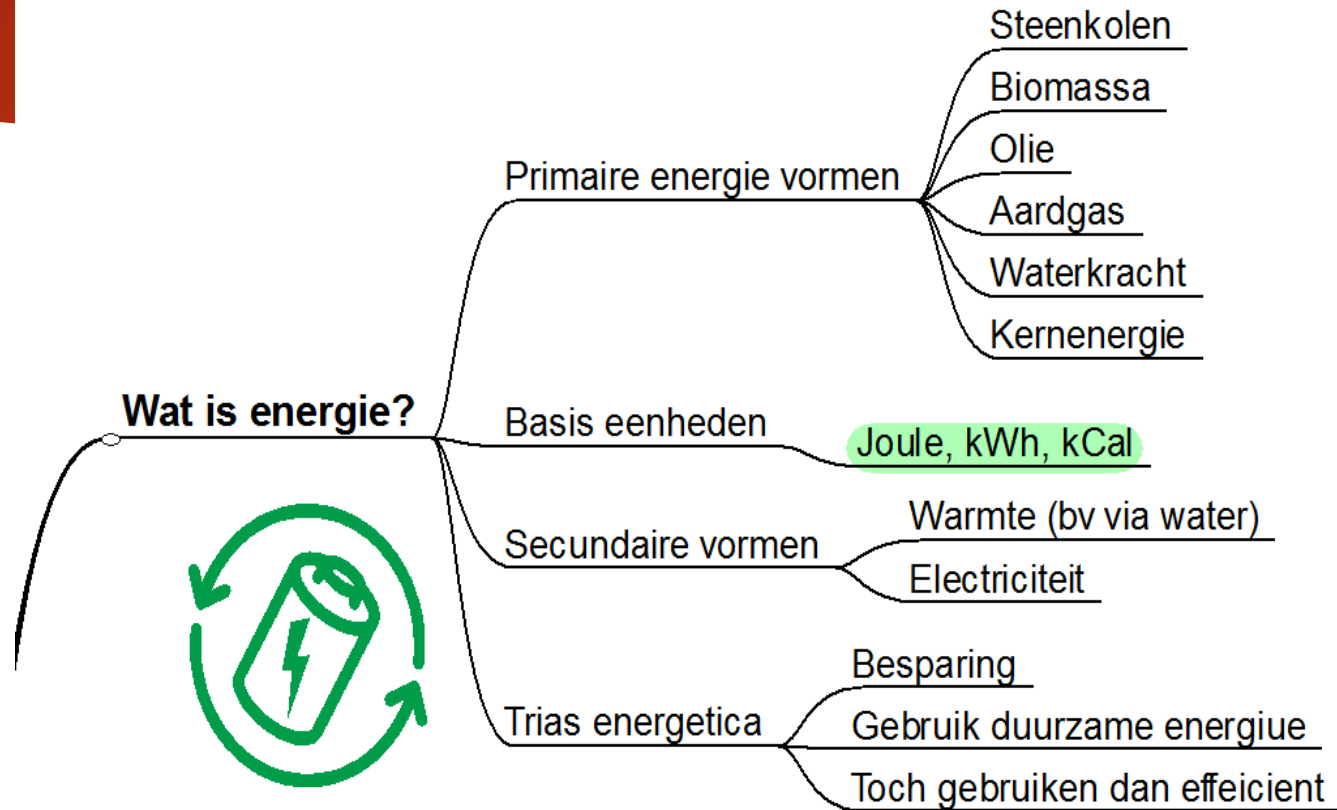


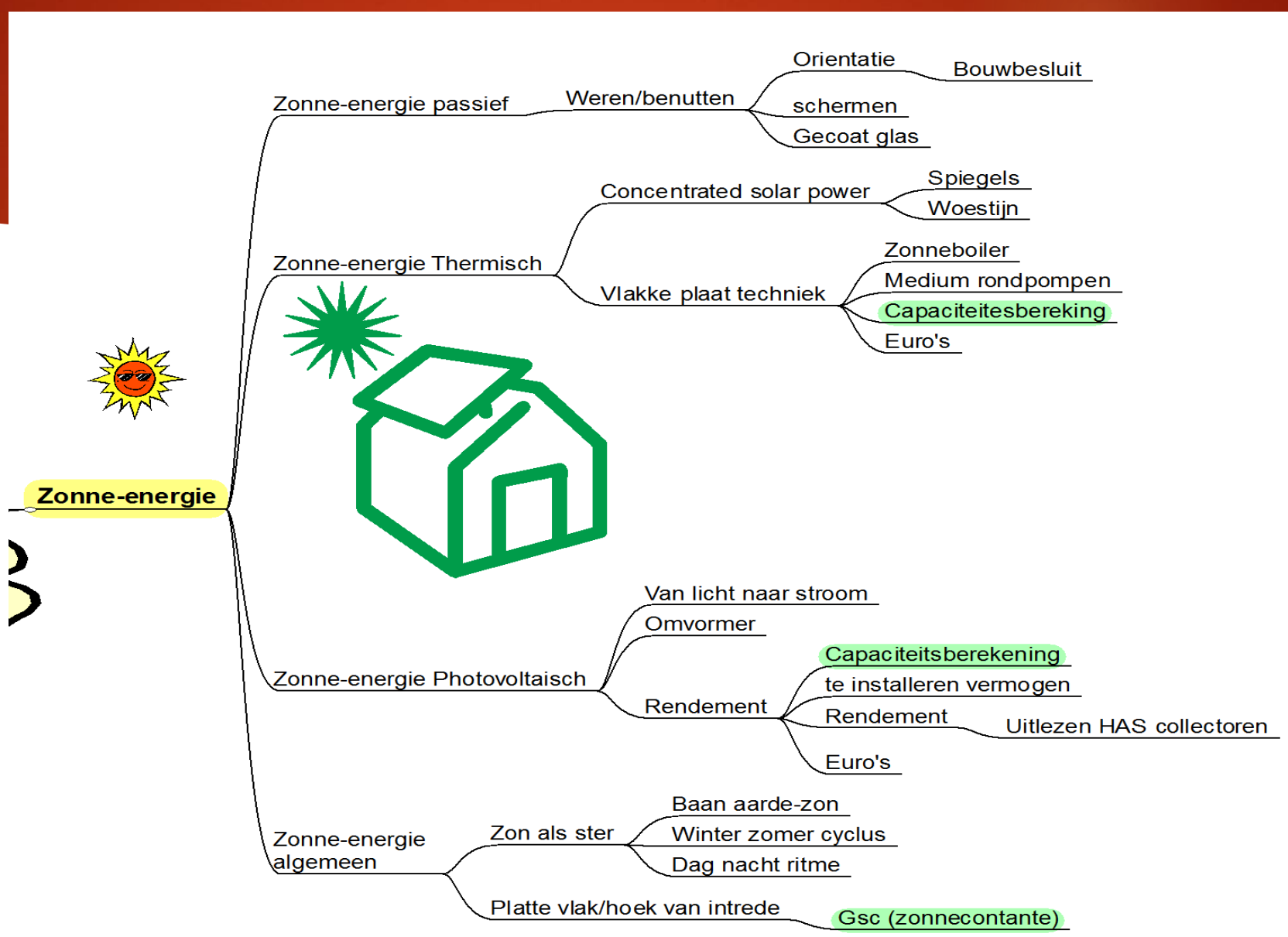
Duurzame energie

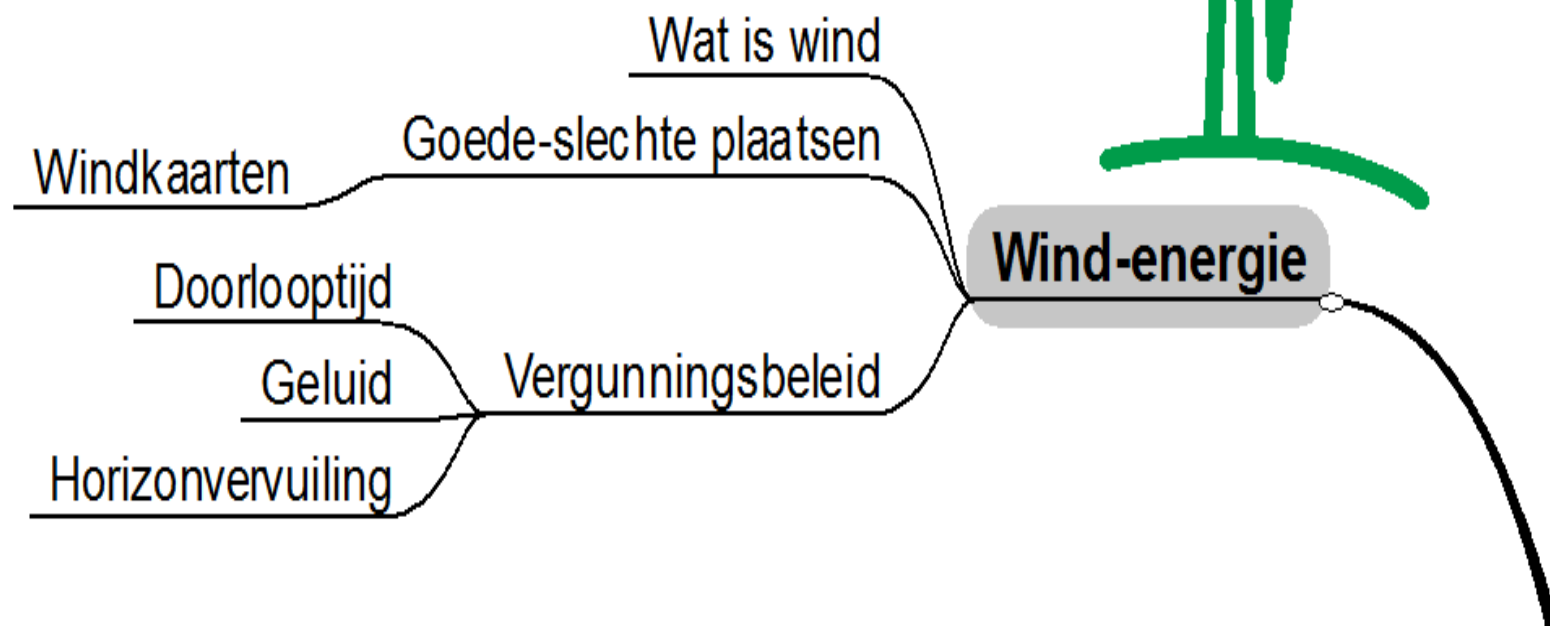


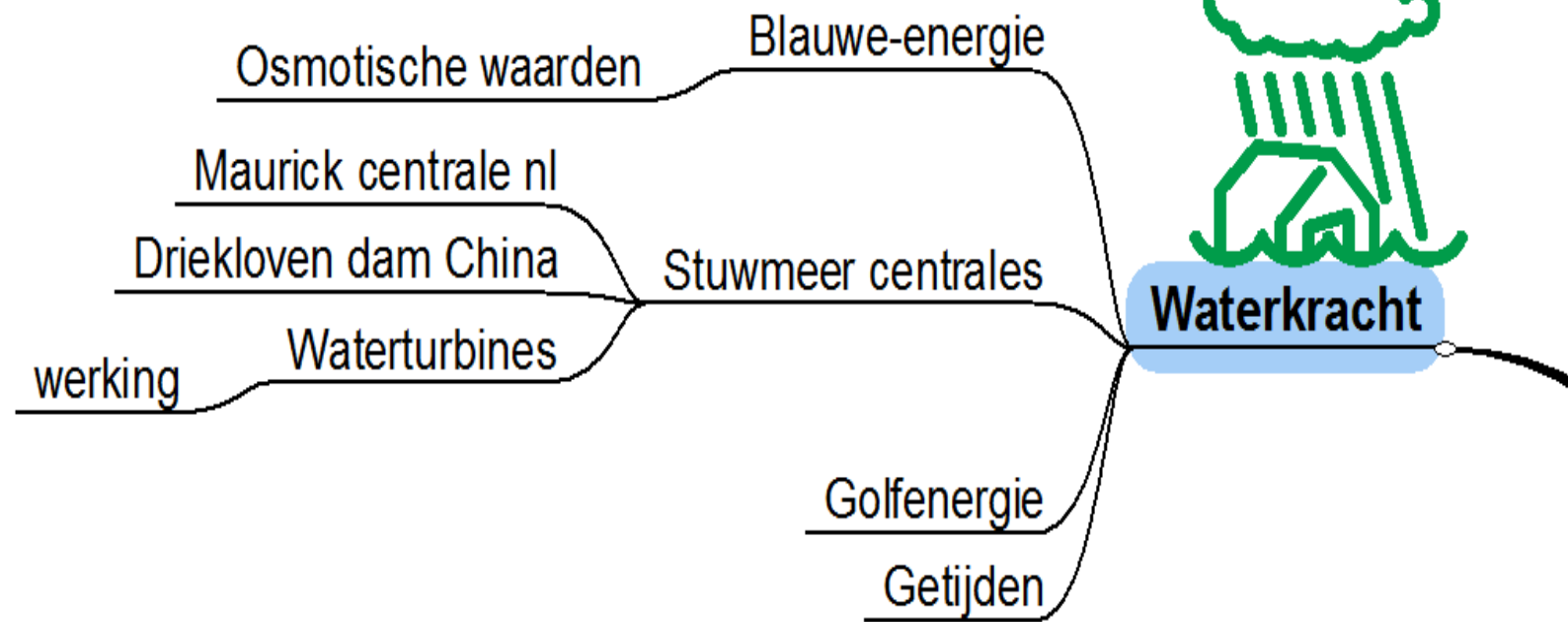


Wate









Waterkracht



Driekloven dam

- ▶ De dam wordt 185 meter hoog en 2.309 meter lang.
- ▶ Het stuwmeer 663 kilometer lang, 58.000 km² .
 - ▶ (nederland is 41.000 km²)
- ▶ 10 à 15% van China's verbruik afdekken (60 mln mensen), grootse in NI = 8000 gezinnen.
- ▶ 24,6 miljard dollar (in werkelijkheid waarschijnlijk drie keer zo
- ▶ 2 miljoen mensen gedwongen verhuizen.

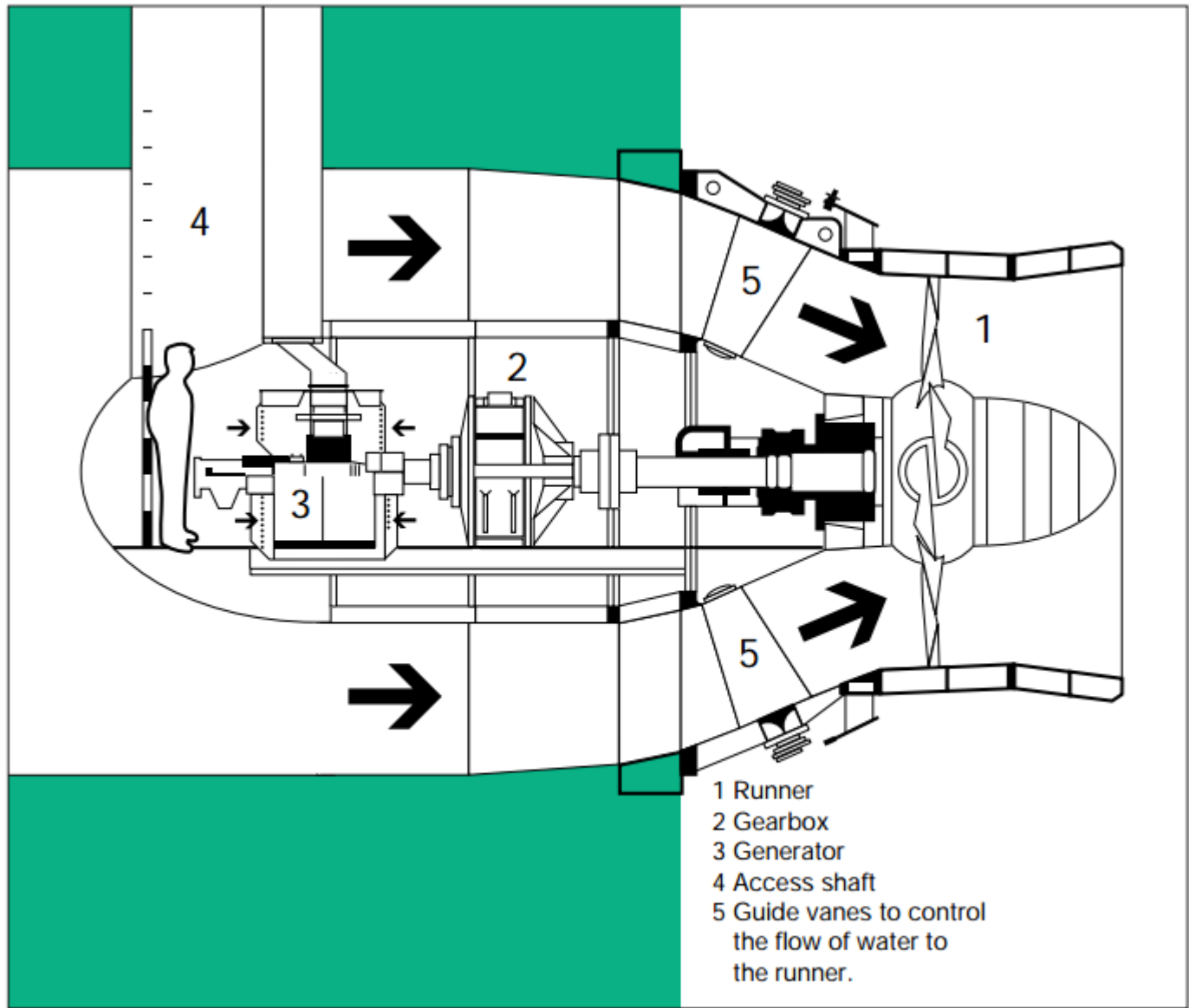


- 
- ▶ <https://www.youtube.com/watch?v=b8cCsUBYSkw>
 - ▶ 8min00

Waterkrachtcentrales in Nederland



http://www.sportvisserijnederland.nl/sportvissers/actueel/3482/geen_waterkrachtcentrale_bij_borgharen_video.html



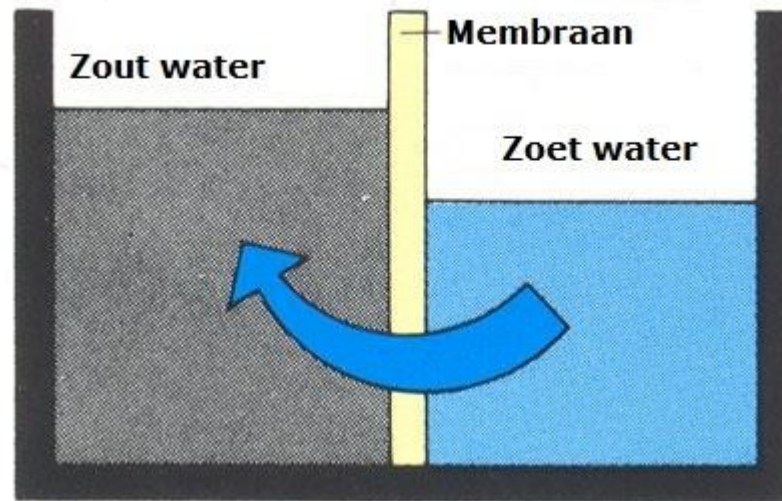
Blauwe energie (Blue energie)



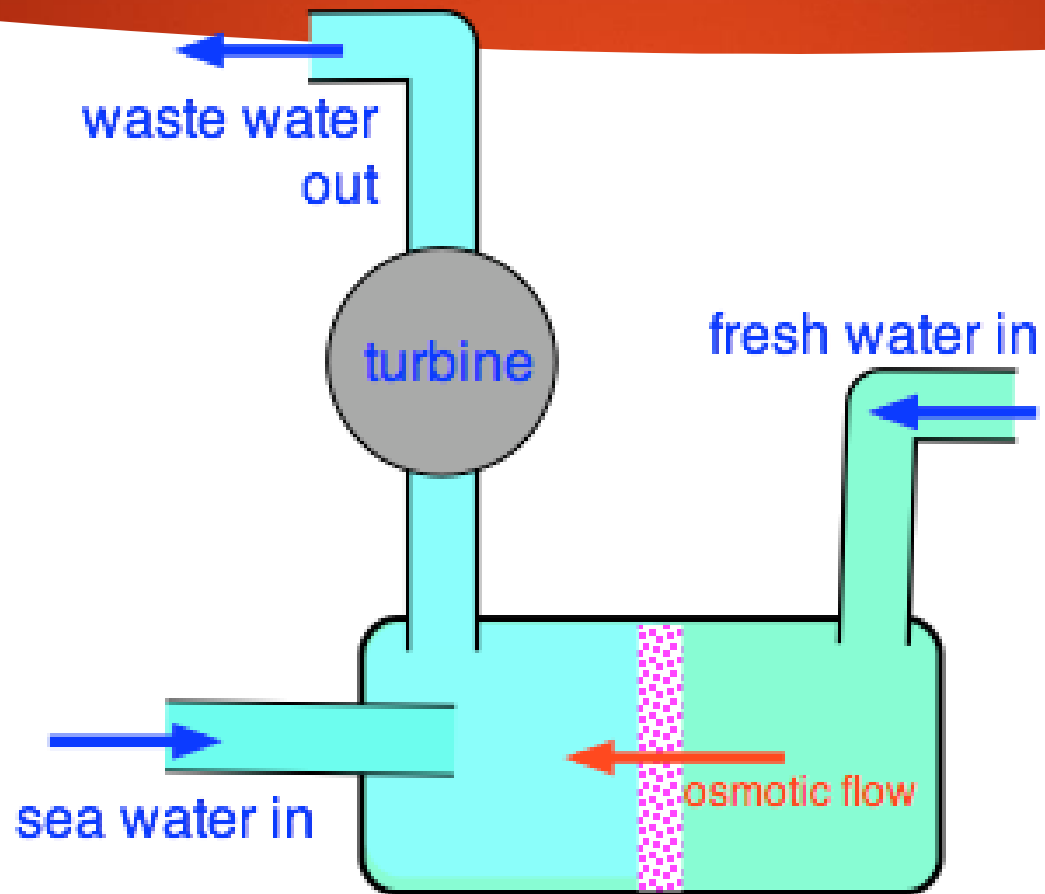
- ▶ Zoet-zout-brak

Werking: 1. OSMOSE (druk)

- ▶ Zout “trekt” water aan (proberen in evenwicht te komen);
- ▶ Het water gaat stromen;



- ▶ Stel dat ik het zout-vat afsluit, ontstaat er drukopbouw



Stephen Lower

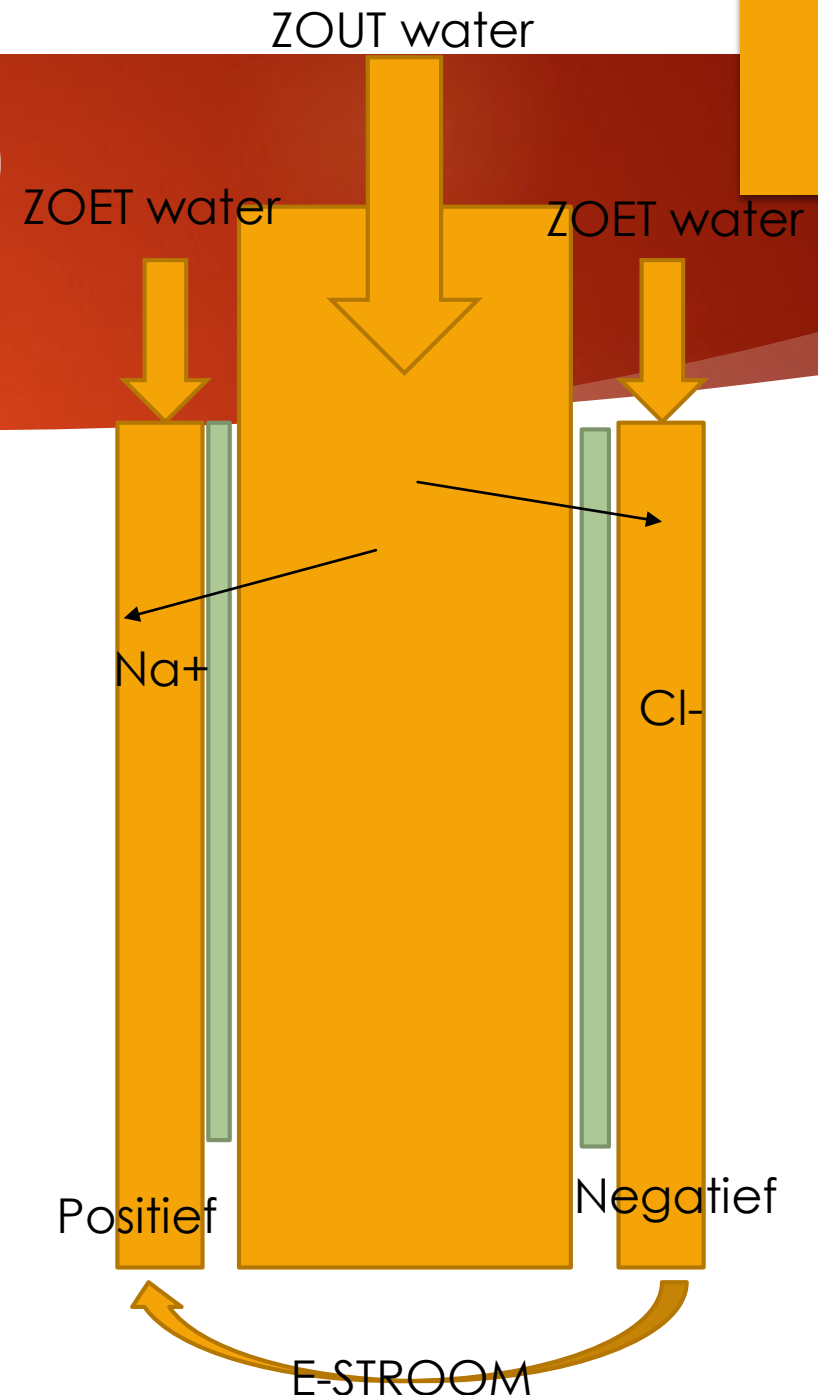
Werking: 2. OSMOSE (ionen)

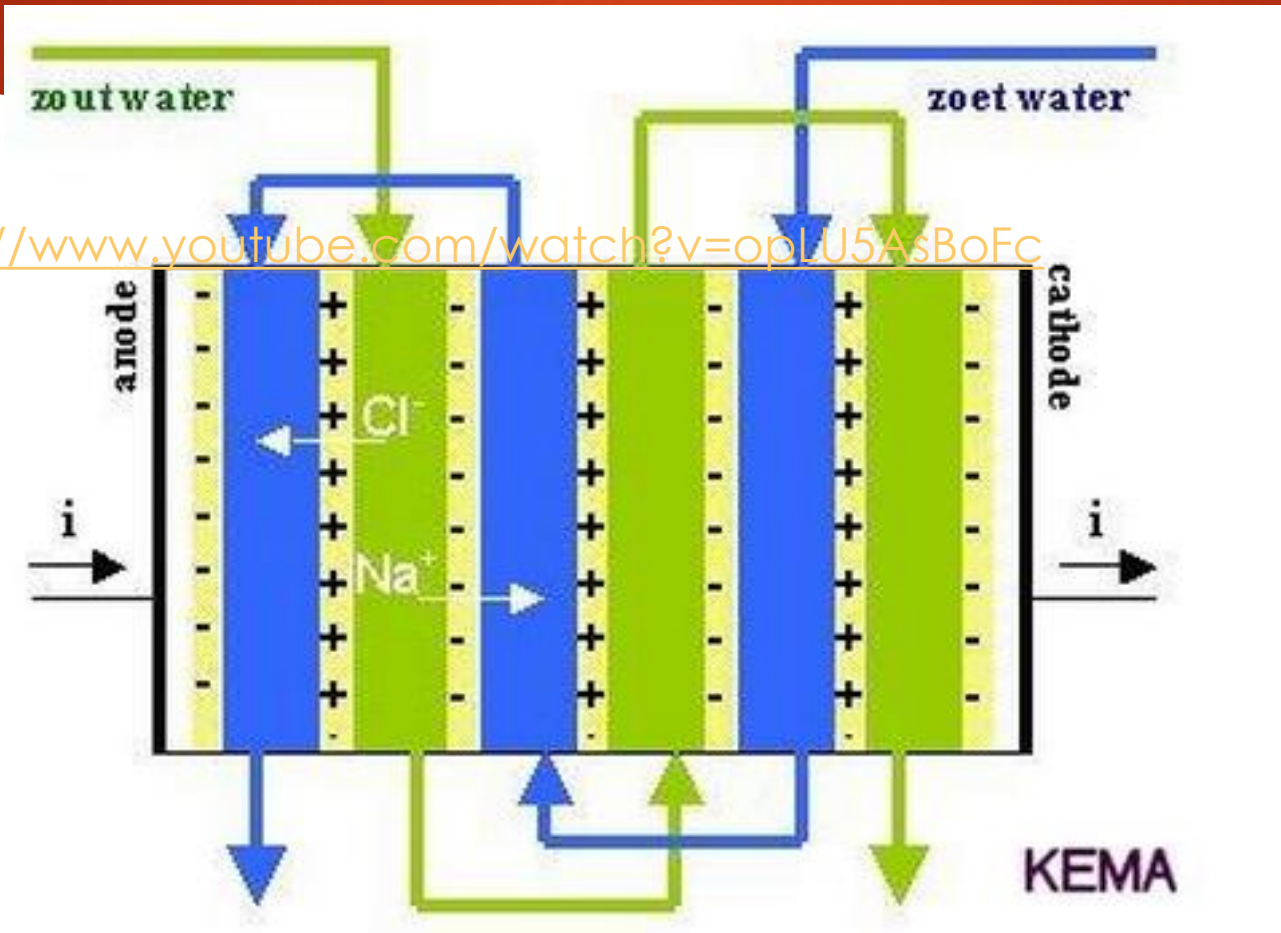
- ▶ Deeltjes in zout water?

Werking: 2. OSMOSE (ionen)

- ▶ Deeltjes in zout water?
- ▶ Natrium: Na^+
- ▶ Chloride Cl^-
- ▶ 2 membranen:
 - ▶ Laat alleen + deeltjes door;
 - ▶ Laat allen - deeltjes door;

Brak water

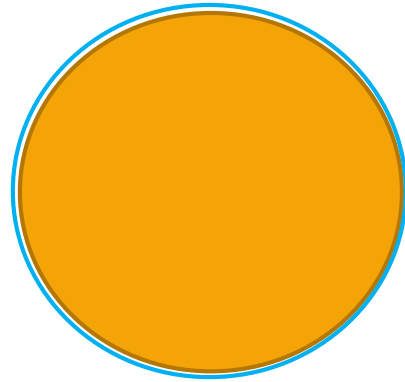




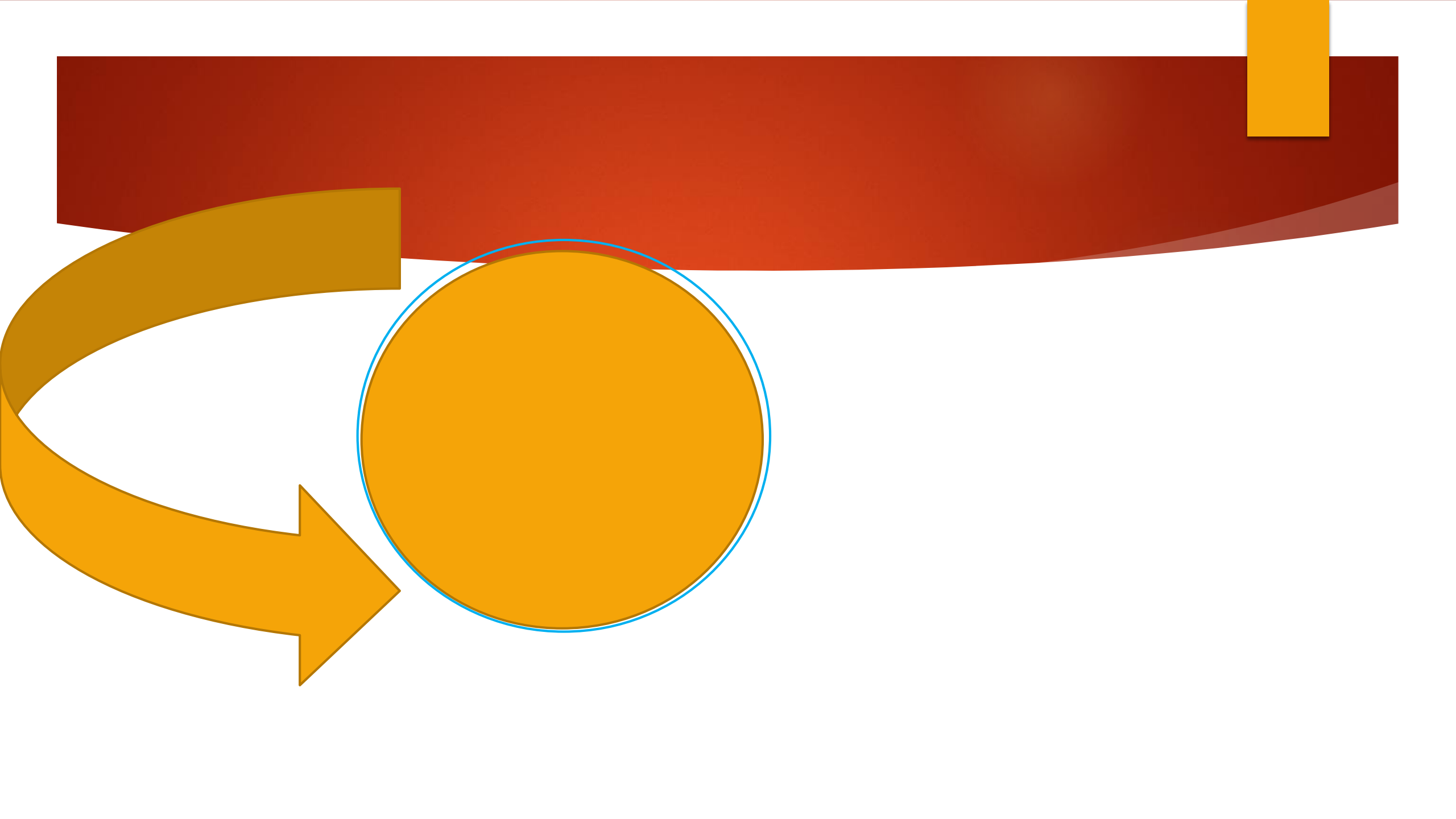
► <https://www.youtube.com/watch?v=opLU5AsBoFc>

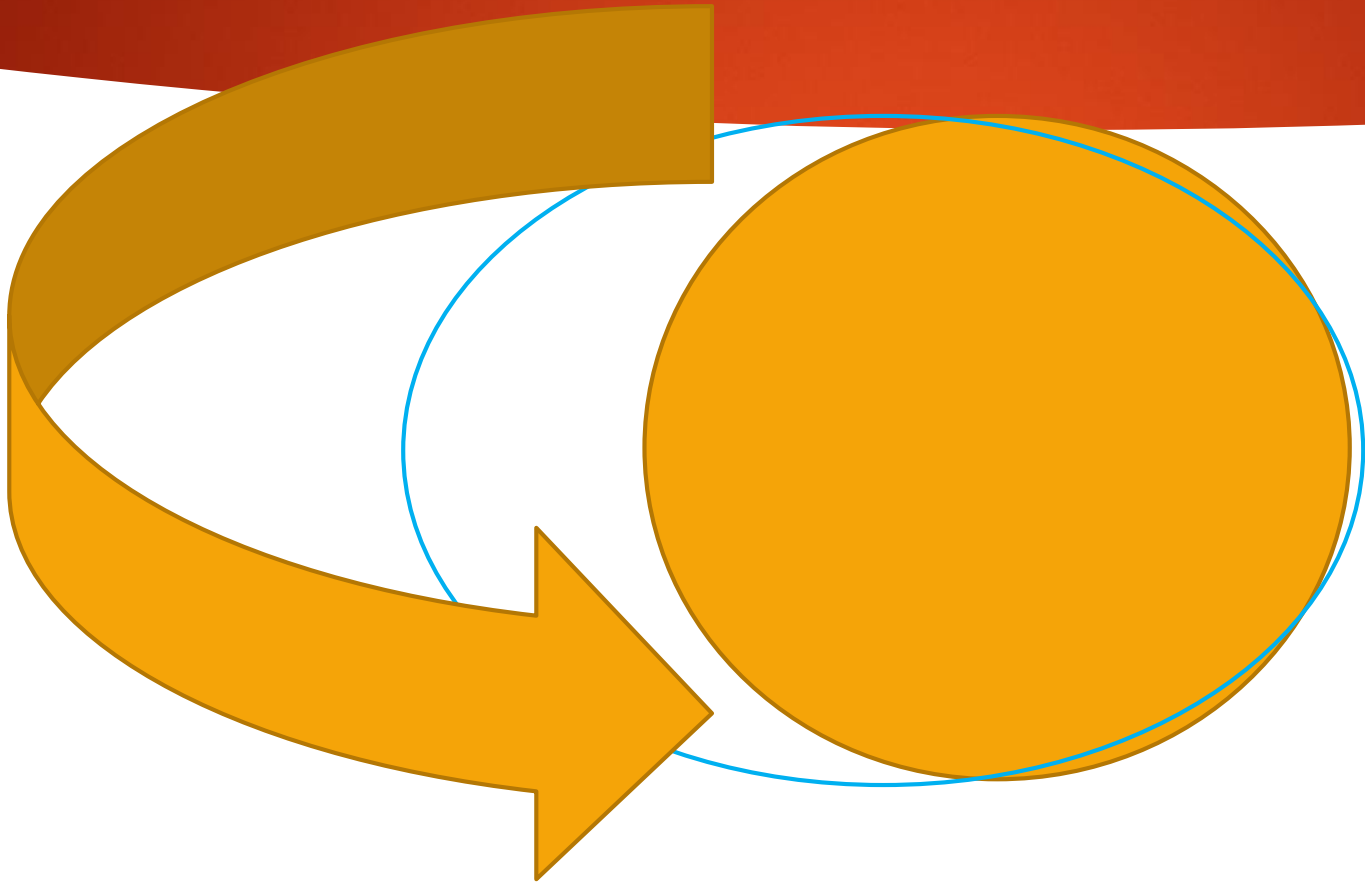
Getijdenenergie

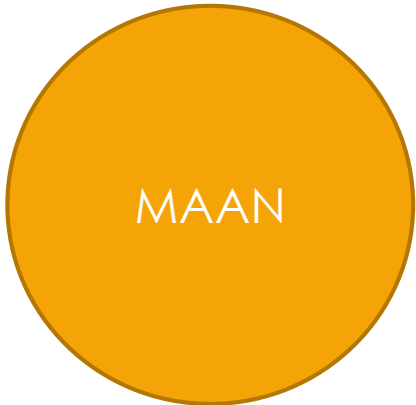
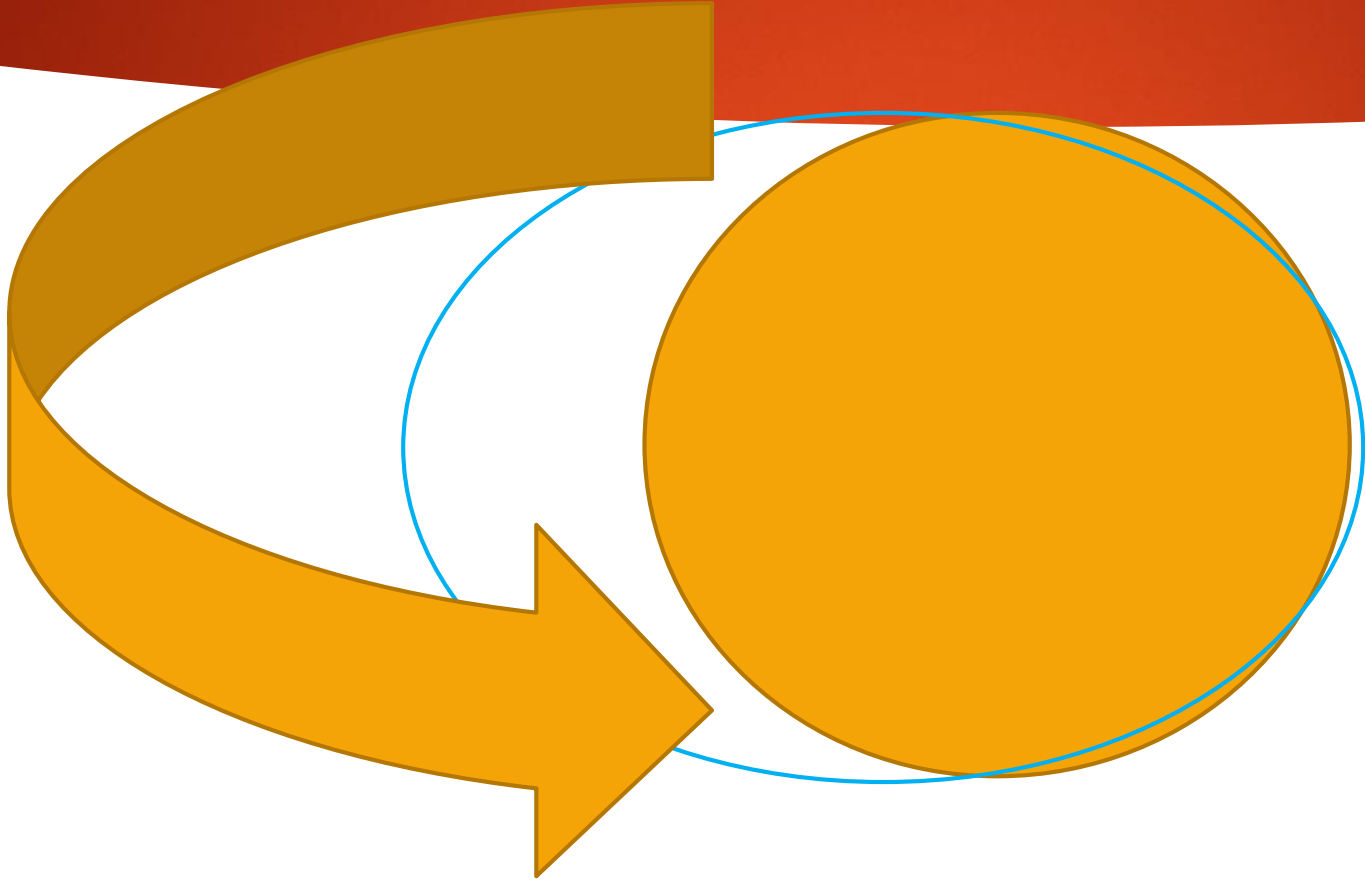
- ▶ <https://www.youtube.com/watch?v=HcuFdGbdOMU>
- ▶ <https://www.youtube.com/watch?v=h152GHS6I38>

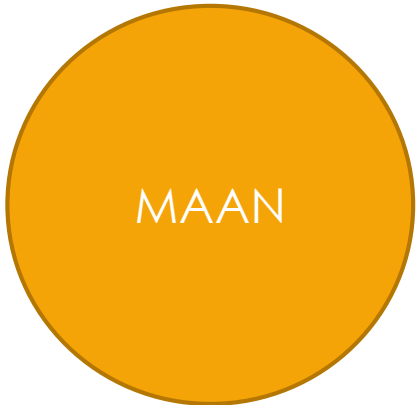
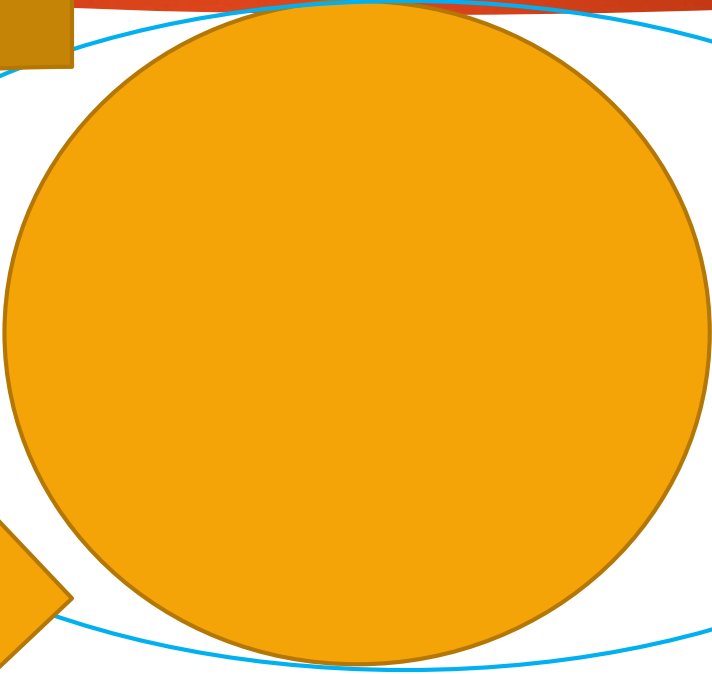
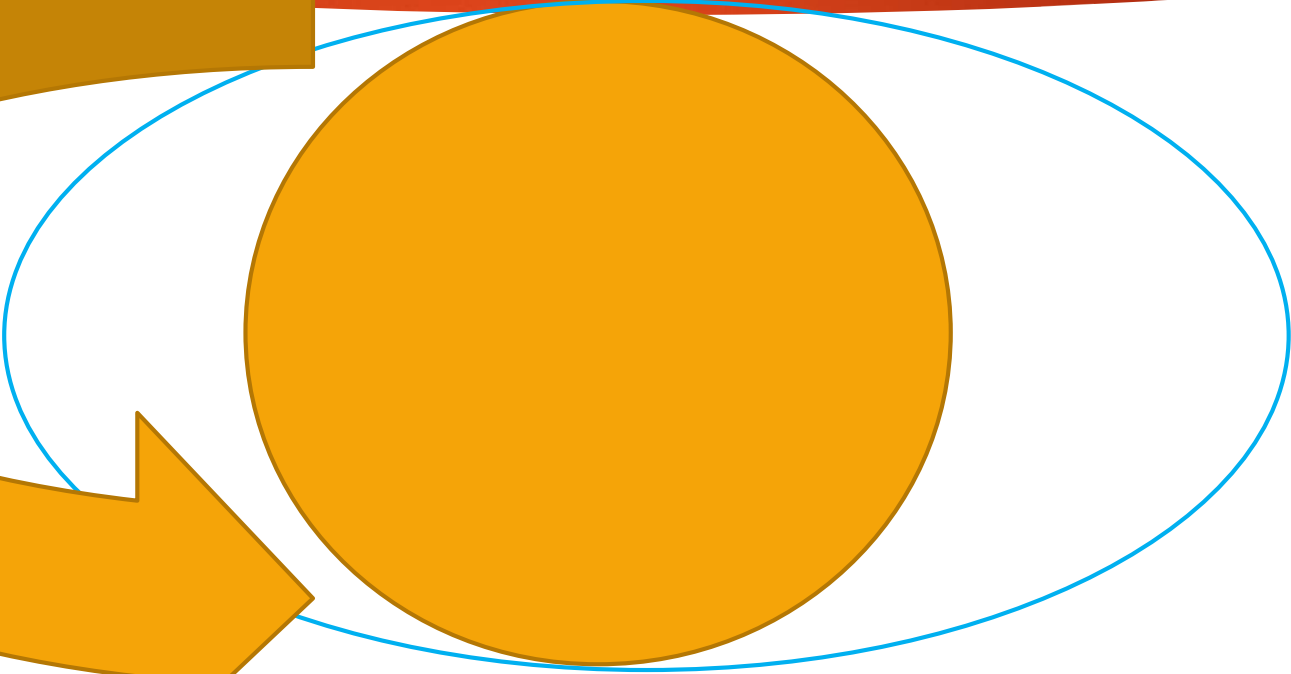
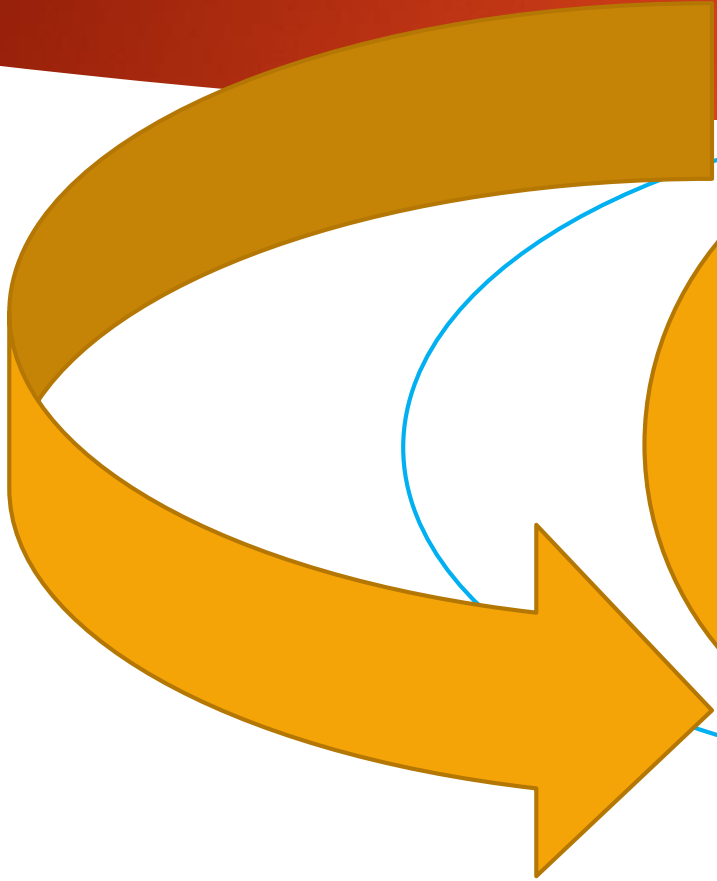


▶ <https://www.youtube.com/watch?v=WRncHD9v4WM>

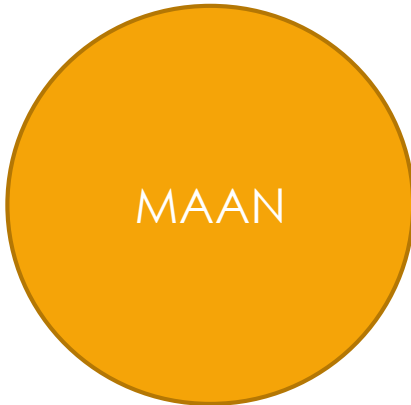
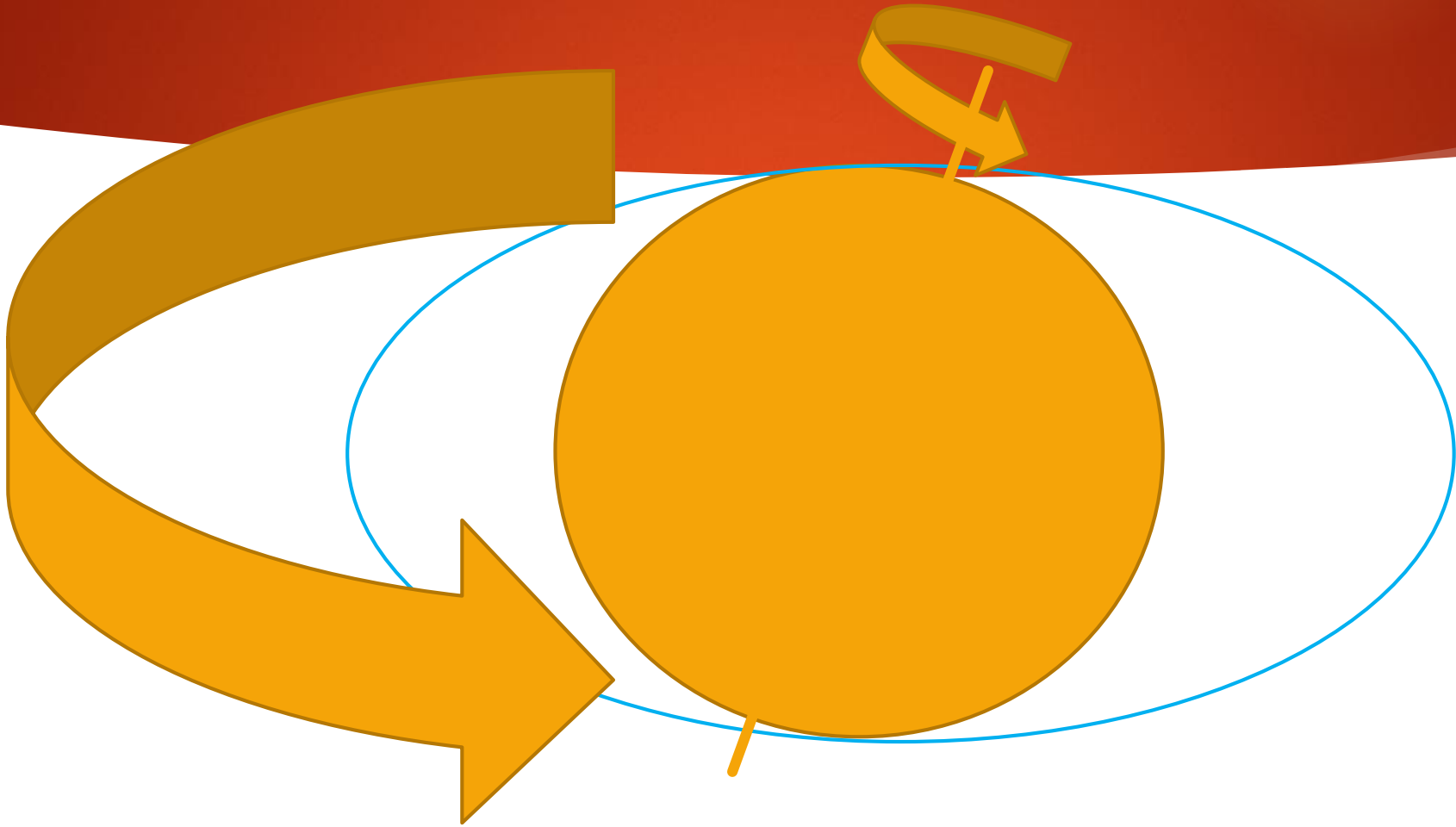
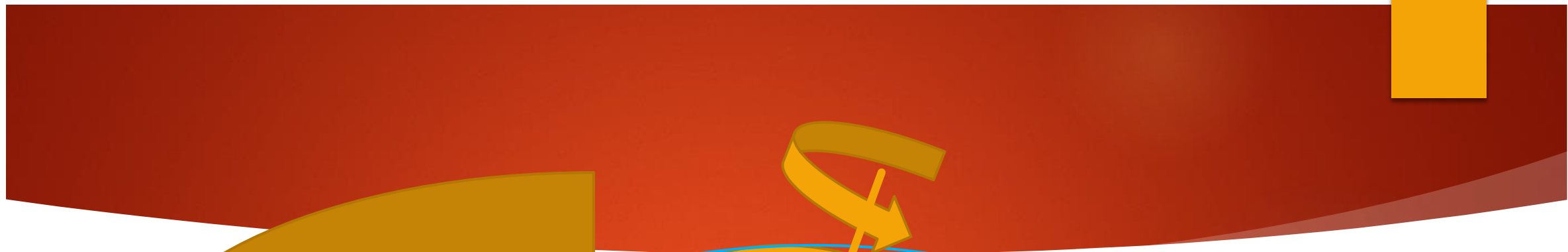




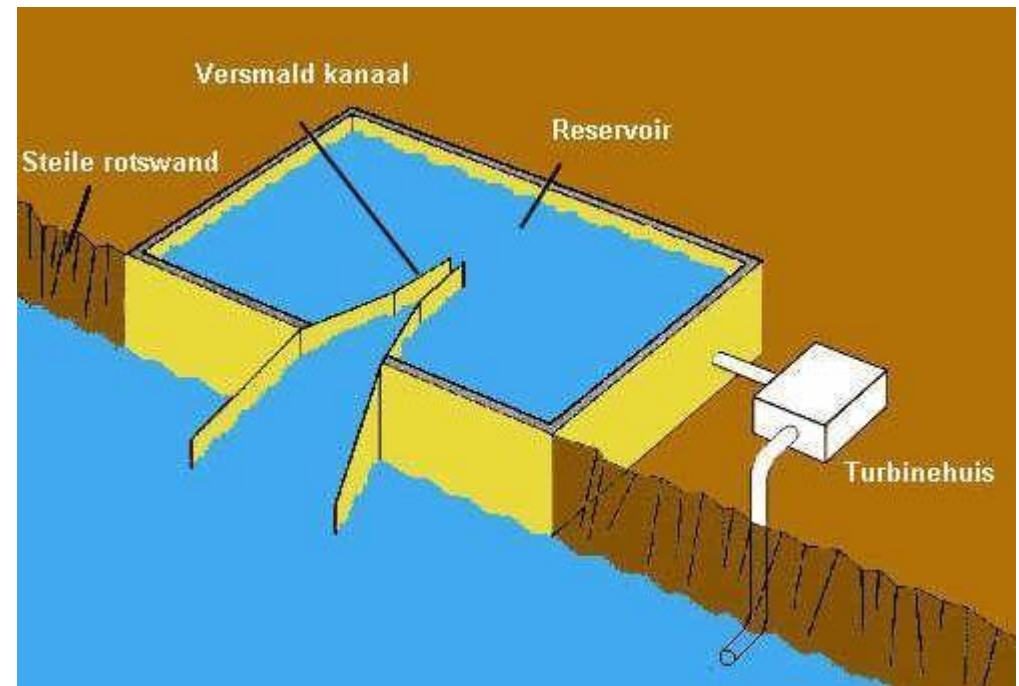
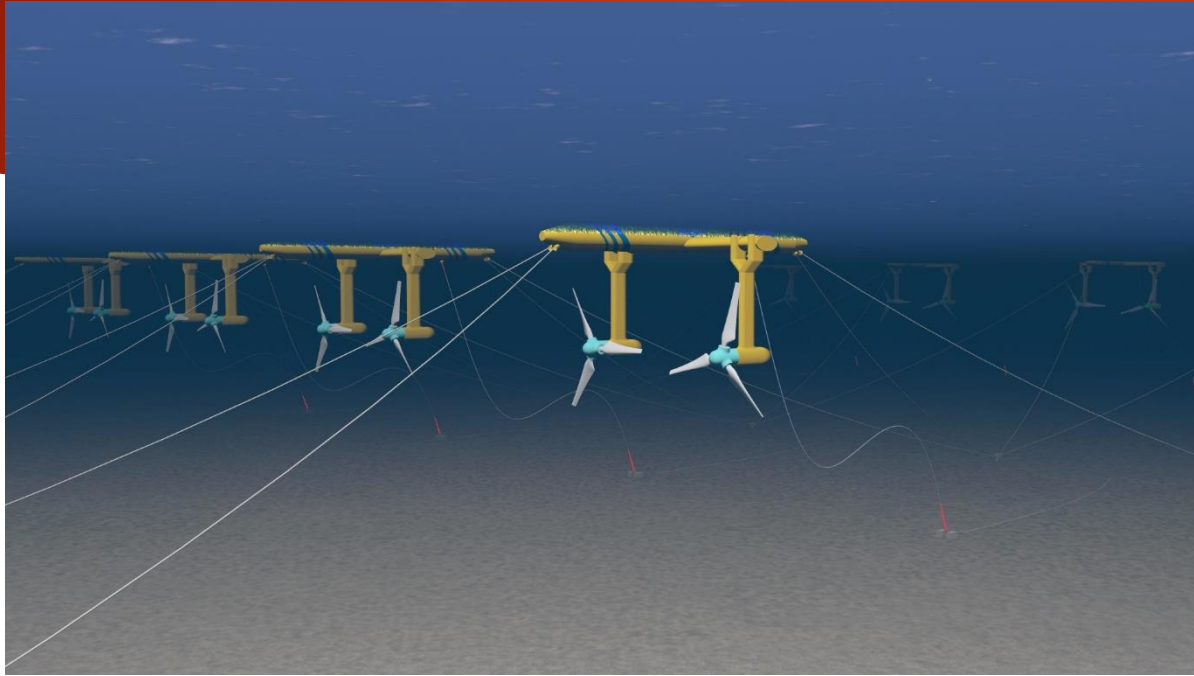




MAAN

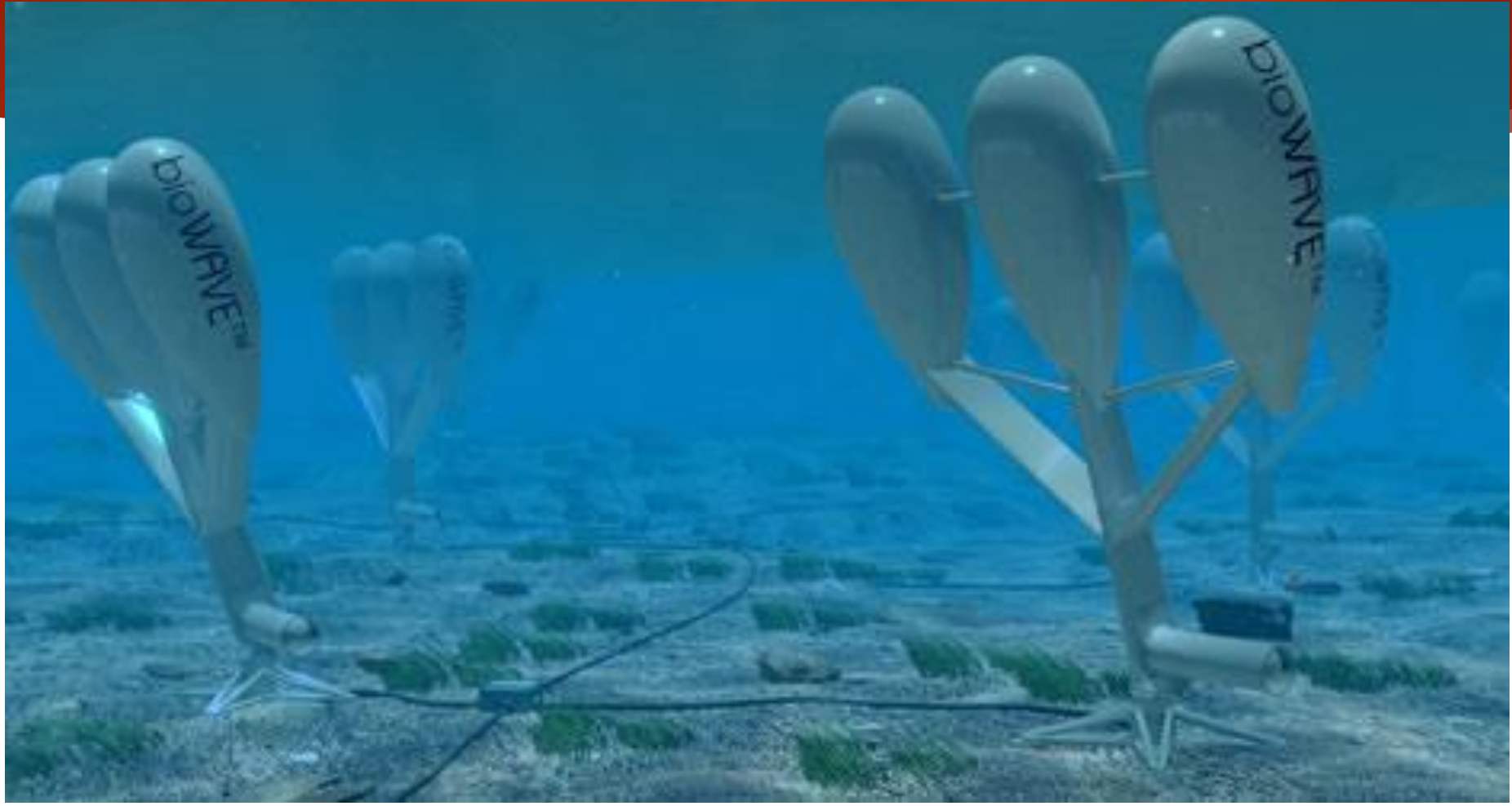


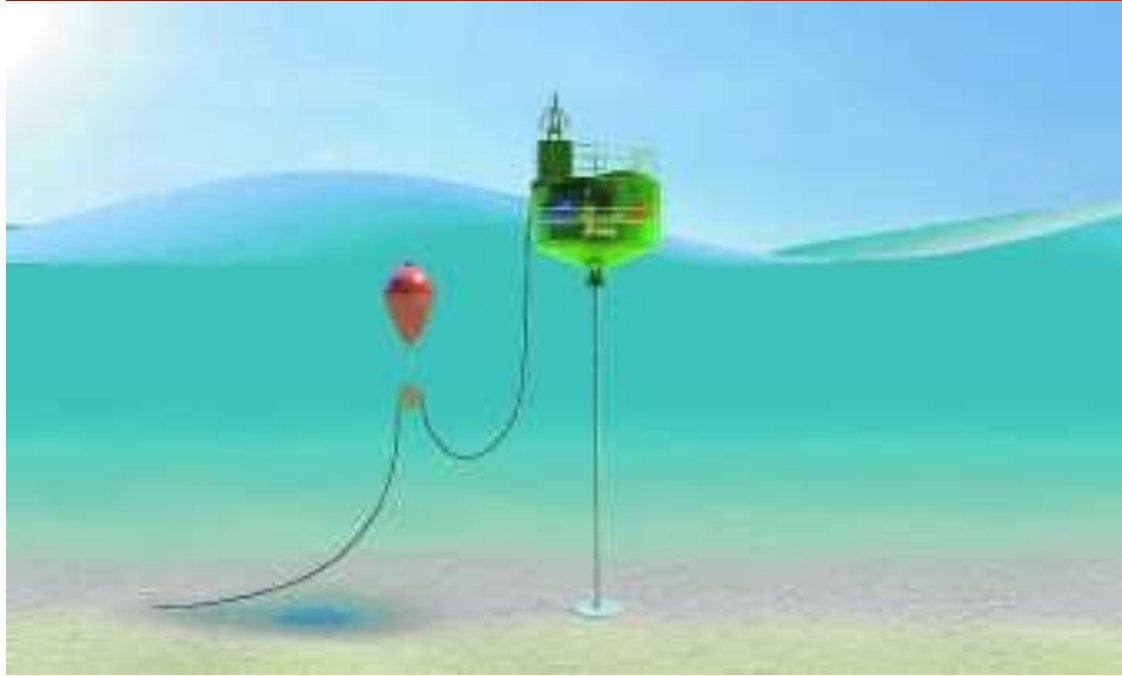
Getijden energie toepassen



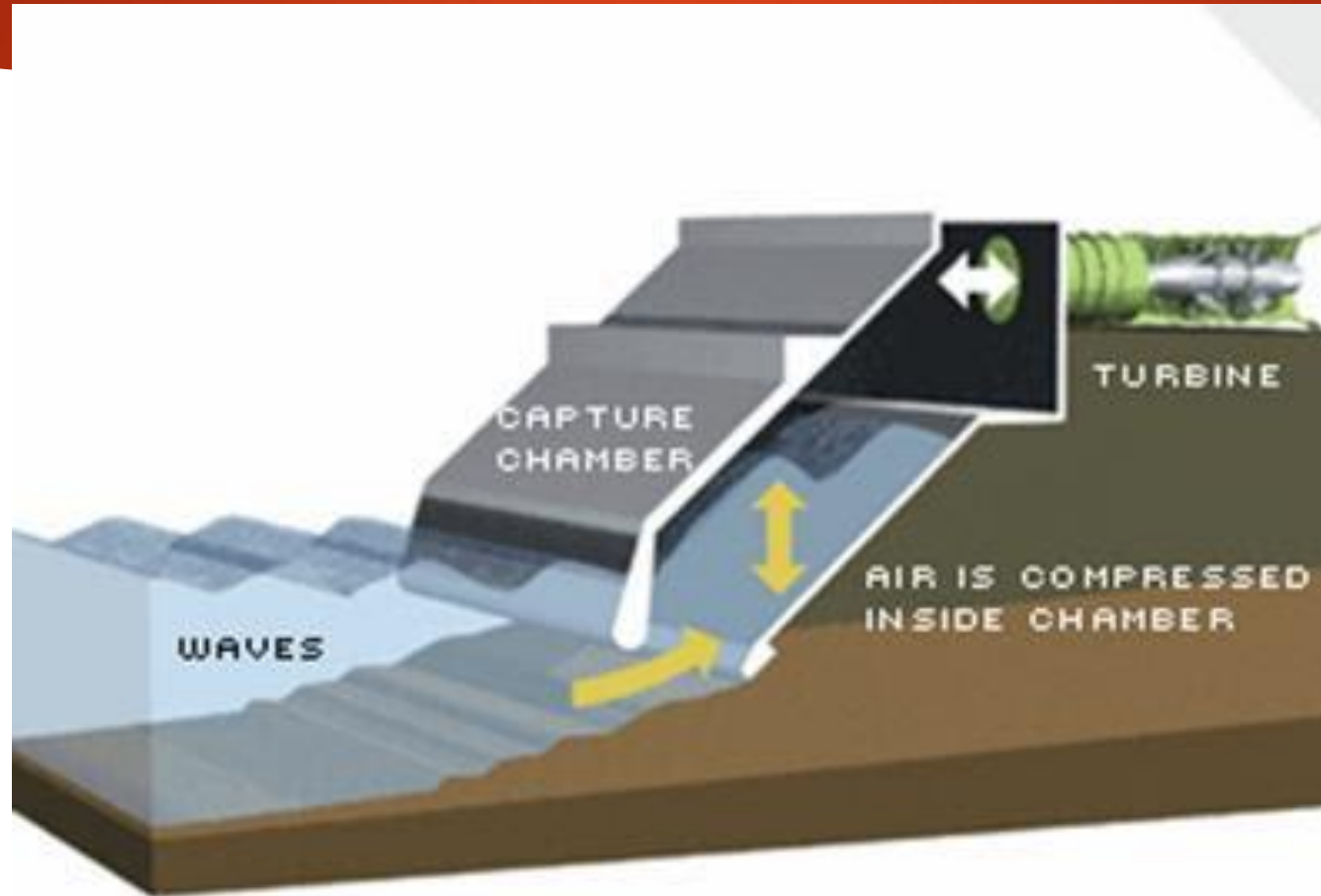
Golfenergie

- ▶ Bedenk een manier om golfenergie toe te passen



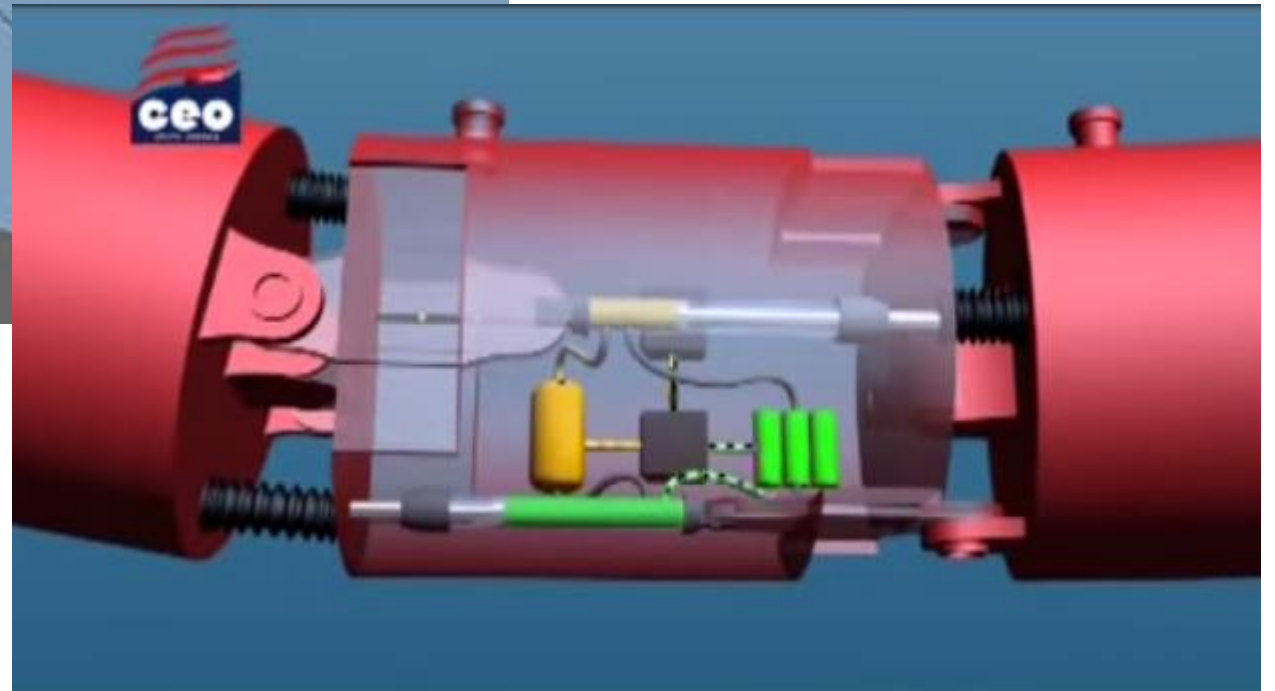
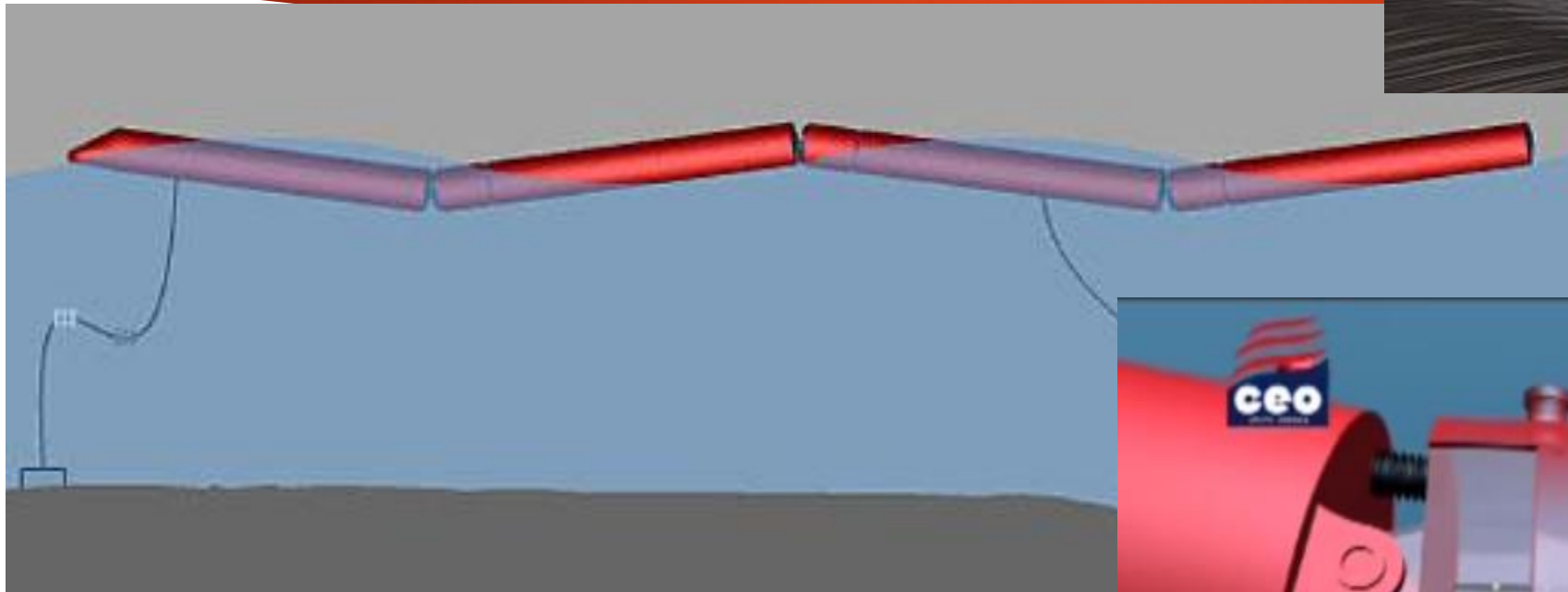
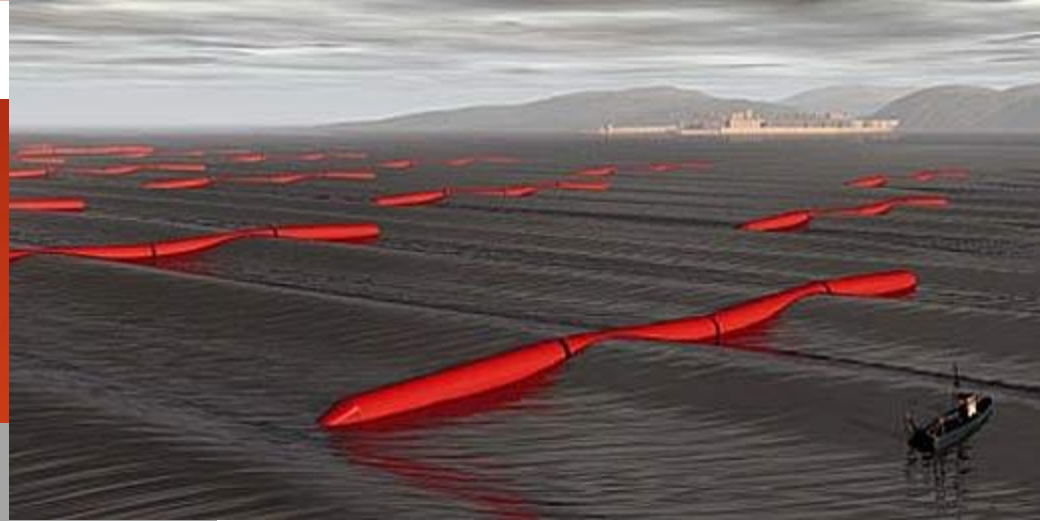


Luchtdruk opbouwen

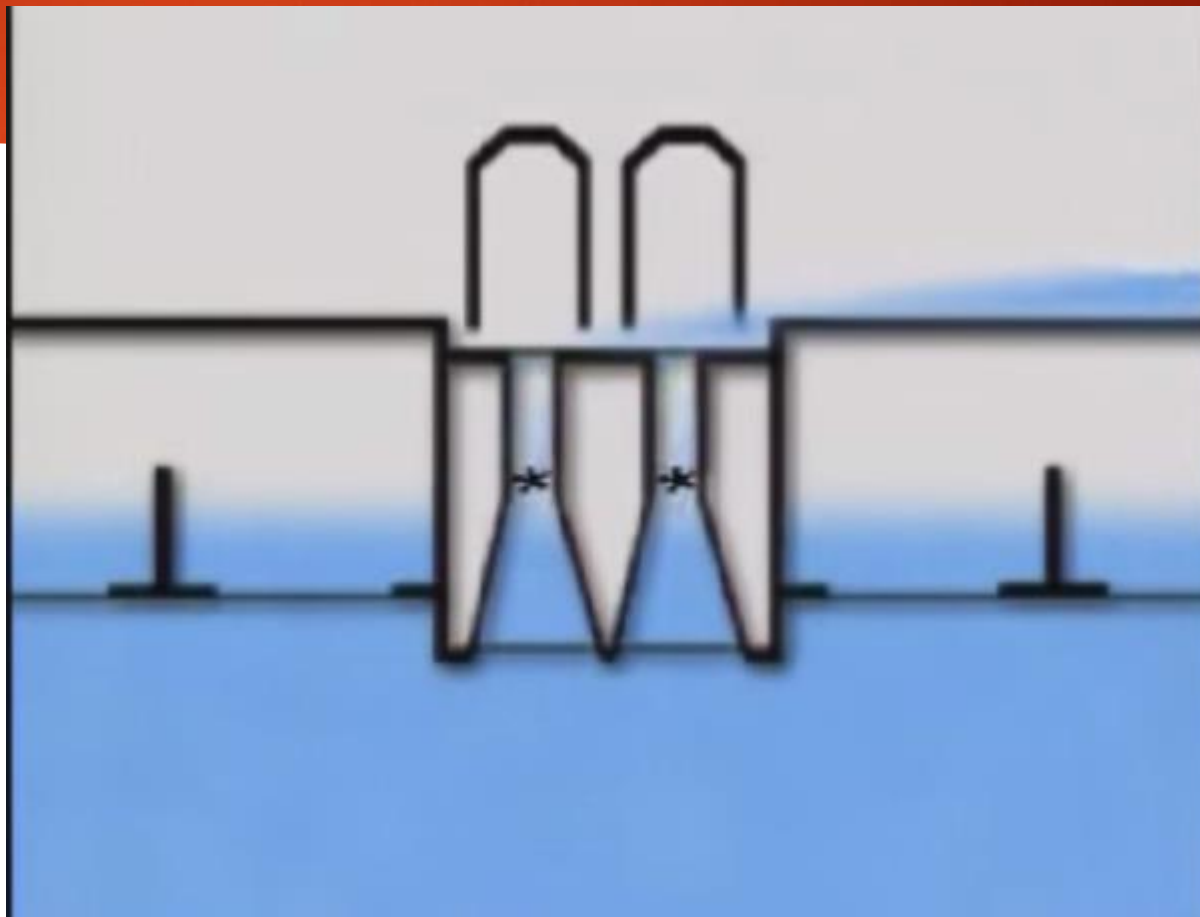
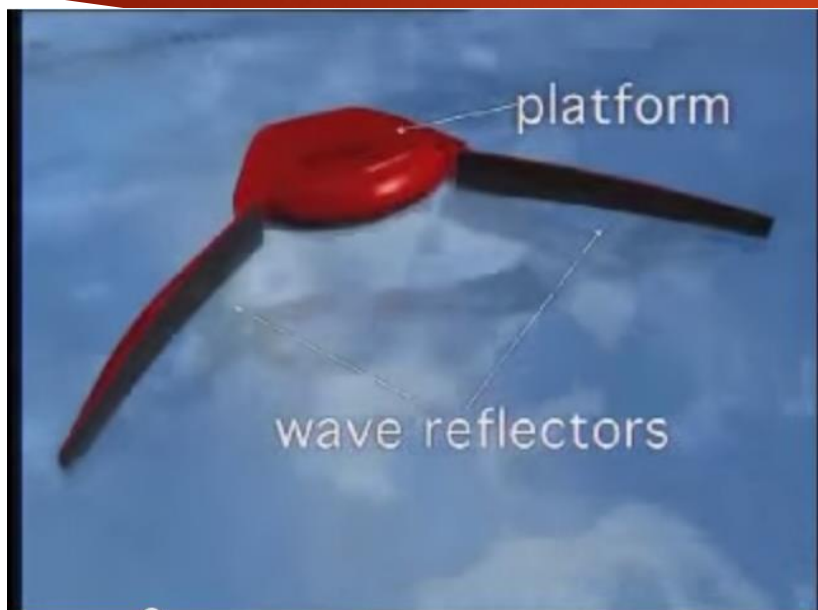


https://www.youtube.com/watch?v=DCx_8TNhb0Y

Snake



Wave-dragon



Wave star

- ▶ https://www.youtube.com/watch?v=Fu5AK_a9KN0



Waarom dit vak ook al weer?

- ▶ https://www.youtube.com/watch?v=U5RwshoG_BU&list=PLF5D629F99ACE5B60&index=7