

CLOUDS SEEDING AND WATER EXTRACTION RIGHTS

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1) What is cloud seeding?

- When humans modify a cloud's structure to increase or decrease the chance of precipitations
- The concept was created in 1946
- By Bernard Vonnegut and Vincent Schaefer

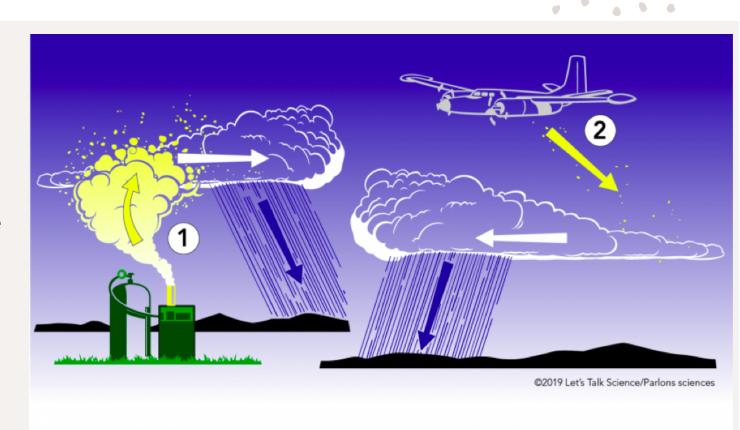


How does it work?

What can be used:

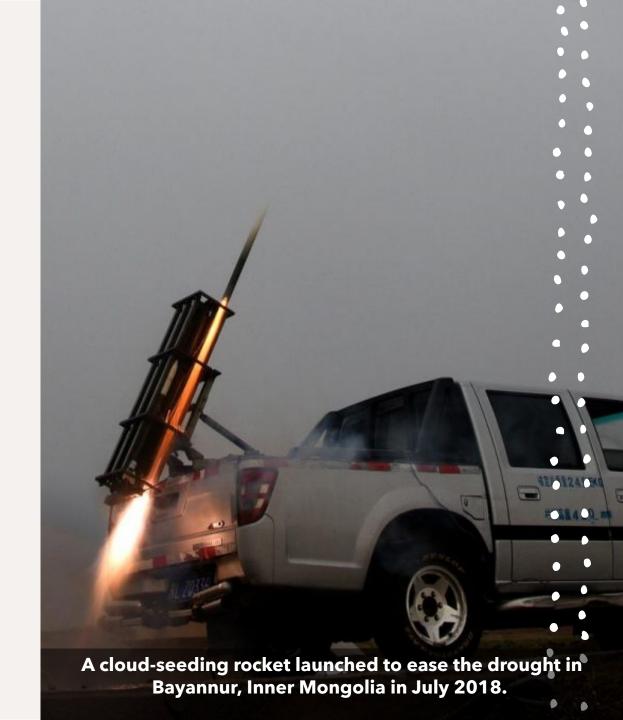
- Large cannons that shoot particles into the sky
- Airplanes that drop the particles from above

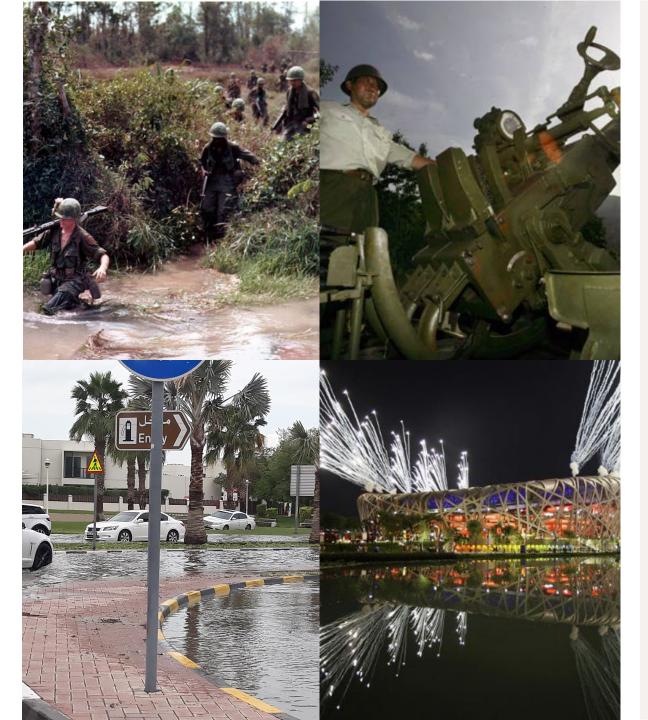
 The silver iodide particles induce precipitations



2) Why do we use this technical?

- Cloud seeding helps to dispel fog by turning it into precipitations, which can improve visibility near airports.
- To extinguish forest fires
- Fighting against a severe drought
- Increase the amount of snow on ski resorts





3) Examples of the use of this technical

4) Water extraction rights

Who owns the water in the clouds?

 Clouds, unlike land and water, are not part of legal frameworks.

Tensions between countries:

- States that try to bring clouds over their territory
- When a State seeds clouds, this can have negative repercussions on a neighboring territory.



Conclusion



- Cloud seeding is a very little known method
- It has been used for a very long time.
- But, this method can have bad impacts on the environment :
- Silver iodide, could be toxic for fauna and Flora
- Precipitations on command could damage the water cycle

