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WATER is precious

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- In 2019 in France, the Prime minister ordered a survey on Urban planning to know how France is being developed. The did survey was conducted and an inventory of the situation was made.
 - First point: There is widespread biodiversity destruction
 - Second point: pollution is increasing
 - Third Point : CO2 is increasing
- These problems are tied to and exacerbated by land development, every day 100 Football fields are turned from nature to urban areas. This land development is higher than in other Europeans countries. In France there are 47Km2 for 100000 inhabitants that are developed. In Germany this 40KM2 and in Netherlands /Italy/ UK/Spain it is 30km2/100000 inhabitants.
- For a long time the policy was to channel the water to evacuate it as fast as possible. The consequence of this is to cause flooding.
- If we do nothing and we continue in the same way, in 2030 it will be a country like Luxembourg, which will be completely developed.
- So in 2021 August the ZAN law was passed, the goal is:
 - Until 2030, to reduce 50% of developed Land.
 - Less horizontal development and more vertical development
 - After 2030, If we want to develop a field we need to restore an urban field back to nature.
 - This law aims to preserve agriculture and forest fields and to restore wetlands
- How to apply this law when we are a Land surveyor?
 - To work with the administration, to advise the city administration
 - To be a partner with the administration more than
 - We are often on the field outside and it gives us a better understanding to advise administration and urban planner
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- RIVE DE GIER the Town where is my office in France: An example of restoring nature for biodiversity and water resources.
 - In 2008 a big flood devastated the city.
 - In 2009, The county decided to conduct a survey. I made a map of each bridge and watershed to create a flood zone map
 - In 2011, a flood zone map identified land which cannot be developed.
 - After a lot of discussion the city was able to negotiate to buy the former industrial facility
 - A Land development operation was defined to prioritize restoring nature in this area, while at the same time utilizing urban planning to create a school, social housing and buildings for a start company to be in harmony with the preservation of nature
 - The movie
- To protect water resources what is the main issue?
 - To have land
 - Money
 - Good land surveyor ;)
- How to organize Land in the future because of this law?
 - It will be difficult to restore the nature and building up areas lot by lot
 - To develop a big area to have biodiversity and
 - Global area to be fair: expropriation, good relations between people
- BUT to organize and to make this law acceptable for people we need a good map with good informations
 - Good spot of wetlands —> remote sensing in relation with Gordana
 - Remote sensing to calculate water reserves
- My Conclusion:
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- Vcvc