



CONSEJO REGIONAL PARA EL DESARROLLO SUSTENTABLE, AC

Tel. +331342 9760

Facebook: @conredesmx, Twitter: @CONREDES

Correo electrónico: conredes.web@gmail.com

Our main goal of our organization is sustainable development, and water is the base for this. The Nexus Water-Energy-Food approach is an easy way to understand how we can achieve these goals for 2030.

In order to sustain our lifestyle, our growth and needs around the world; we have to think sustainable, a balance with natural resources, energy sources, food production and productive activities. This equilibrium will help to reduce water stress, such as water scarcity, droughts and pollution. Climate change is an unpredictable phenomenon that we have to take in consideration as well.

Technology implementation shouldn't be seen as it has to be complicated requiring specific skills to manage it. We have to bring innovative technology approach to apply technology at an adequate level of skill to achieve our sustainable development objectives, at a local approach, that communities accept in order to be implemented; otherwise, we can end up with useless tools turning into a waste of effort and resources.

Water shouldn't be seen in a very focused manner such as demand and supply. Productive activities, urbanization and economic growth have a great impact on the environment and water cycle. Water must be dealt responsibly, as an integrated management, that places science and culture as its base, for being a common good. A good example is technology for smart irrigation, in which remote sensing can enhance crops by determining the amount of water and the frequency to minimize evapotranspiration and could be easily accepted by farmers. In some cases, like Mexico, by law there are no initiatives to reduce the use of the water concession a farmer acquired, the farmer has no incentives for spending more money on technology implementation.

When talking about sustainable urbanization, the first step is identifying rivers and infiltration areas that recharge underground water, also preserving the green areas that capture rain water to avoid environmental degradation. These actions can prevent or minimize the risks of floods and can keep up with water demand in urbanized areas. This requires more action than technology, as governments can create laws for ecosystem protection as well as building bylaws with sustainable approach.

In our region, Los Altos of Jalisco, food production is the main source of employment direct and indirectly with over 400,000 people, it also provides around a quarter of protein base food to Mexico's self sufficiency food consumption. Without #WaterAction, climate change and vulnerability to droughts in our region which is semi-arid, can take a big hit such as food scarcity and high prices that will affect the whole country.

Water action agenda is key to avoid these problems and set the path for sustainable development in food production, and the nexus water-energy-food-environment approach is the best way to adapt.

The food producing sector in our region is organized and classified, making it easier to highlight the areas of opportunity and the possible changes and implementations required in order to set the path for sustainable development based on the water-energy-food nexus approach.

Our organization subscribes to the water congress 2023 agenda, as we also made our contribution to this work in order to achieve the objectives for sustainable development by 2030.