

TRIPLE HELIX MODEL TO DEVELOP WATER AND ENERGY NEXUS FOR LIFE IN LIBYA

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ABSTRACT

The global demand for technological materials is continuously increasing as the world's population is increasing in cycle with increasing standard of living, especially in emerging and developing countries.

The challenge we face in the 21st century is sustainable development of our resource supply. To secure a reliable and sustainable supply of critical resources, innovative solutions need to be developed along the entire value chain. In this paper, we apply the Triple Helix (TH) concept which can be defined as a set of components (university, industry and government) to model the integration between water and energy for life in Libya.

Water situations as well as current energy situations in Libya were analysed, with tracing challenges that face TH model implementation.

KEYWORDS: Triple Helix, Energy, Water, Integrated Water Management