

I am Zack H. Abdi, a curriculum designer and I have worked for Saudi Aramco, ADGAS-ADNOC, and Qatar Gas Operating Company developing human capital for sustainable human resources.

Whilst doing this I felt that there was an urgent need for sustainability, sustainable solutions and a need to understand and address water stress and water footprint solutions. To address landfill stress and curb Green House Gas's (GHGs) from landfill stress as well as a need for a Green Economy. Reviewing some of the Green Economy indicators, it became made me realize the need for addressing Circular Economy via Innovation, Sustainability and creating Legacy that also happens to be the theme of Expo 2020 in Dubai.

There is a strong need to understand GHGs, how to address the GHGs and how to create circular economy to curb the carbon dioxide (CO2) footprint. UAE is the biggest water user per person per year and the source of water is Blue Water (Desalination). Southern Gulf water is having "Peak Salt" situation and that makes the desalination water process much more expensive and creates more CO2. Our organic food waste is the response where we generate approx. 800 litres of 100% pathogens free potable water from each ton of organic food waste that can be used for cleaning, toilets flushing or landscape/agriculture purposes, thus, relieving water stress and water footprint. We also produce 200 kg of food remnant that can be used as organic fertilizer, fish, and poultry feed. This way, waste is used as resource for producing organic produce and creating jobs.

Similarly, aerosol cans can pose harm to Global Warming due to the hydrofluorocarbons (HFC) gas emission coming from them. We capture the HFC before it gets into the atmosphere, and use the HFC as propane gas (cooking gas), liquid for low grade energy, and metal for smelters once again Recycling with efficiency to Reuse effectively to Reduce landfill stress and associated GHGs impacts.

Provectus initiative in collection of Used Cooking Oil (UCO) from households to engage communities of the need to understand how each litre of UCO can contaminate 1000 liter of water and effect water ways and Eco-system and how bio-diesel coming from UCO can help CO2 emission from vehicles. Our Eco Depot is designed to reduce landfill stress that is global issue by >80% and create Circular Economy by engaging all stakeholders for benefits for all.

I am having good traction even in much developed and mature cities like Toronto and Windsor as the global issue of GHGs is same regardless of borders.

As a founding chairman for Corporate Social Responsibility (CSR) for Dubai Quality Group and steering committee member for Halifax Youth Project, I could see where "Corporate Responsibility for Social Responsibility" could play a pivotal role in Economy, Environment and Social as all three factors are pillars of Sustainability. My engagement with Canadian University in Dubai for CSR and Sustainability means job placements for the students to get first-hand experience. I am a regular speaker on HR Strategies, Human Capital Development, Sustainability & CSR

<https://globalecoguy.org/the-three-most-important-graphs-in-climate-change-e64d3f4ed76>

Directives driven Awareness Campaigns to all Stakeholders for: Reduce, Recycle, and Reuse. Benefits for addressing the Waste, Environment, innovation, Efficiency, and Financial benefits.

Author Zack H Abdi

zack@provectusme.com

