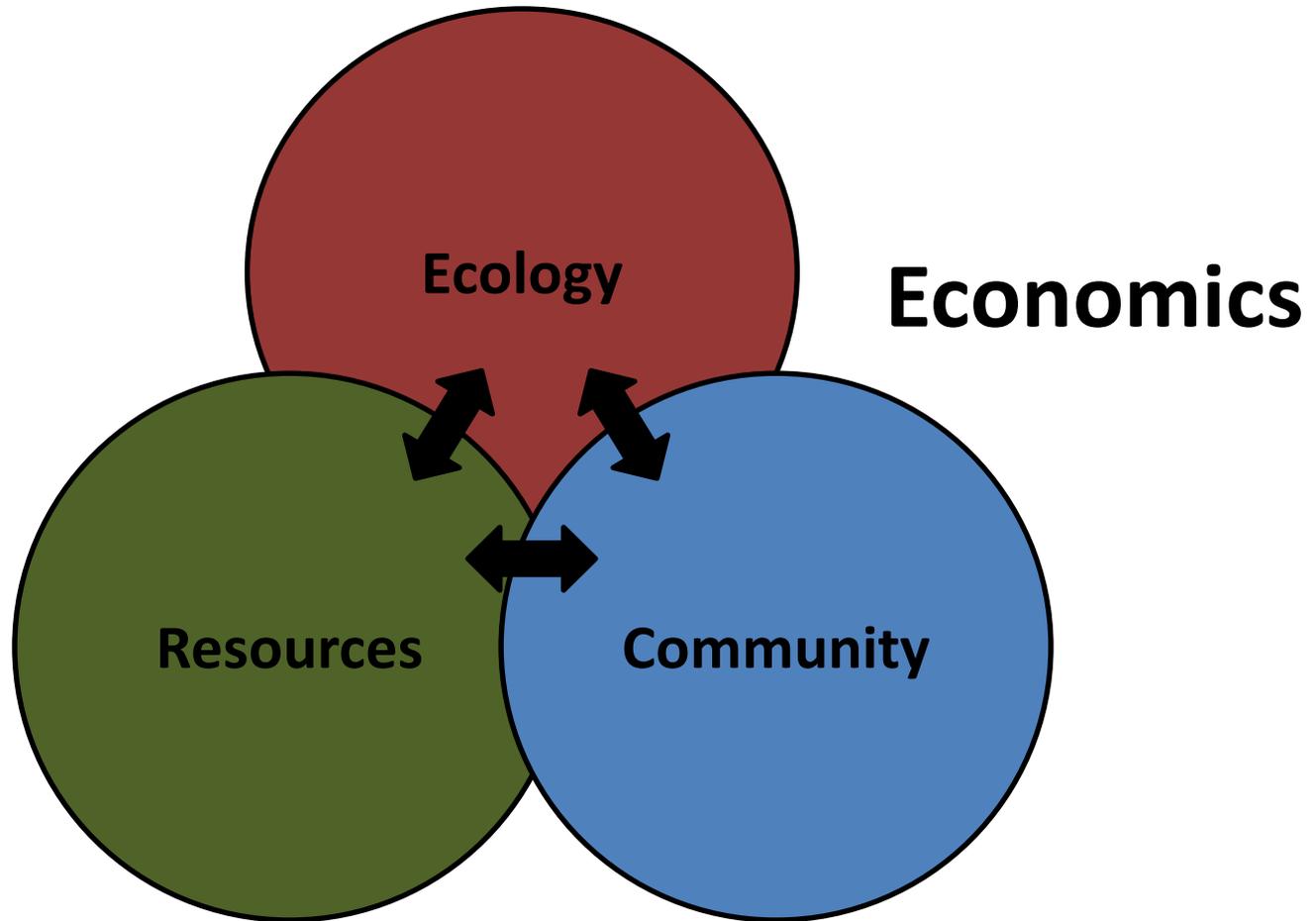




Economy v. Economics





**Agriculture is the
stewardship of
the earth's
economy.**

The Economy is the whole

- resources, transactions, connections**
- viewed in communities**
- is a closed system**
- perpetual**



The Economics are the transactions

- measured in profit, loss or exchange**
- viewed in markets**
- occur between not among things**
- terminal**



The Laws of Nature & Economy

The Conservation of Energy

- cannot be created or destroyed
- changes in form (kinetic, potential)
- can be removed from life cycle

The Conservation of Matter

- cannot be created or destroyed
- changes in form (solid, liquid, gas)
- can be removed from the life cycle

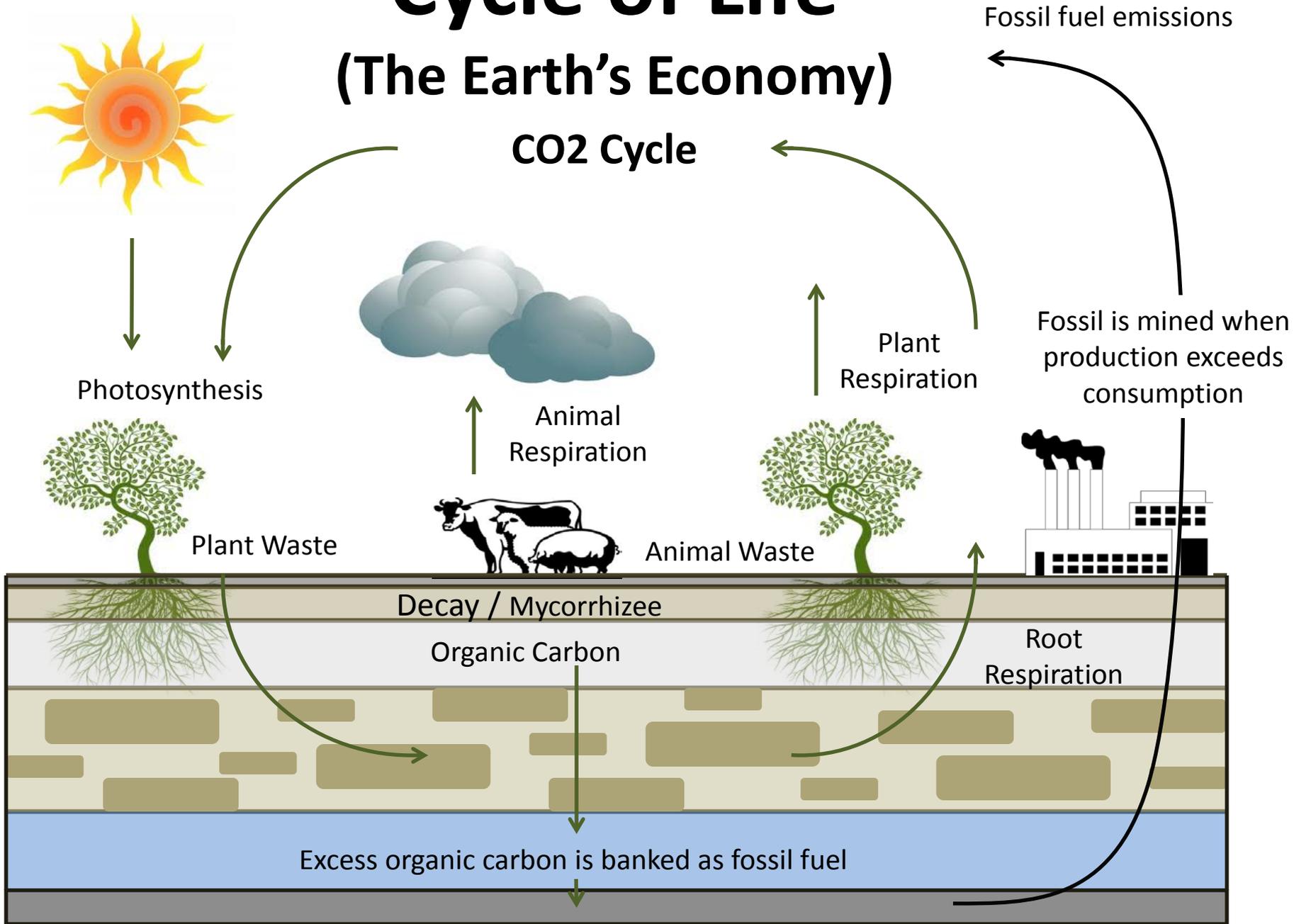
The Necessity of Agents of Change

- energy and matter cannot change on their own

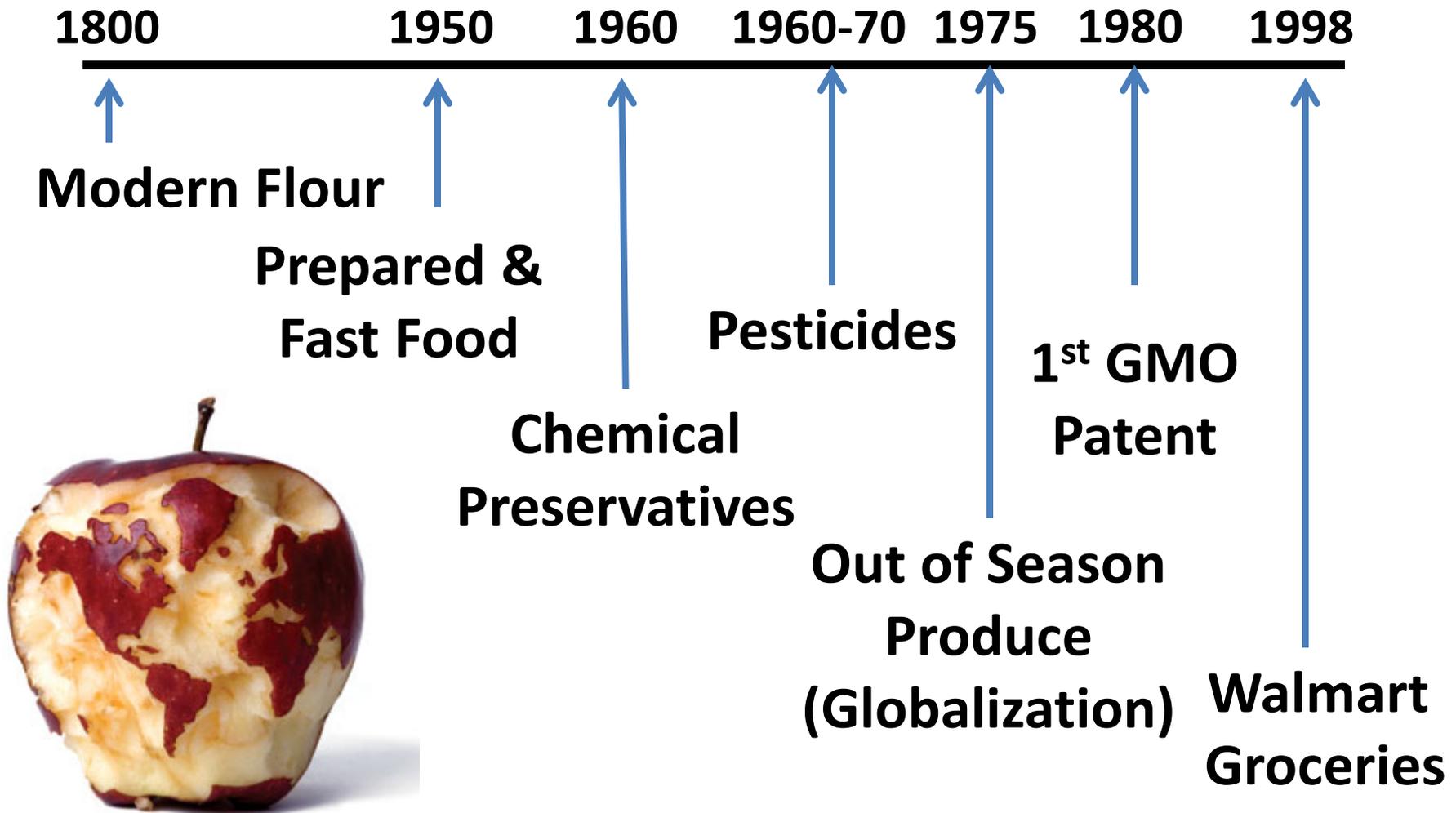


Cycle of Life (The Earth's Economy)

CO2 Cycle



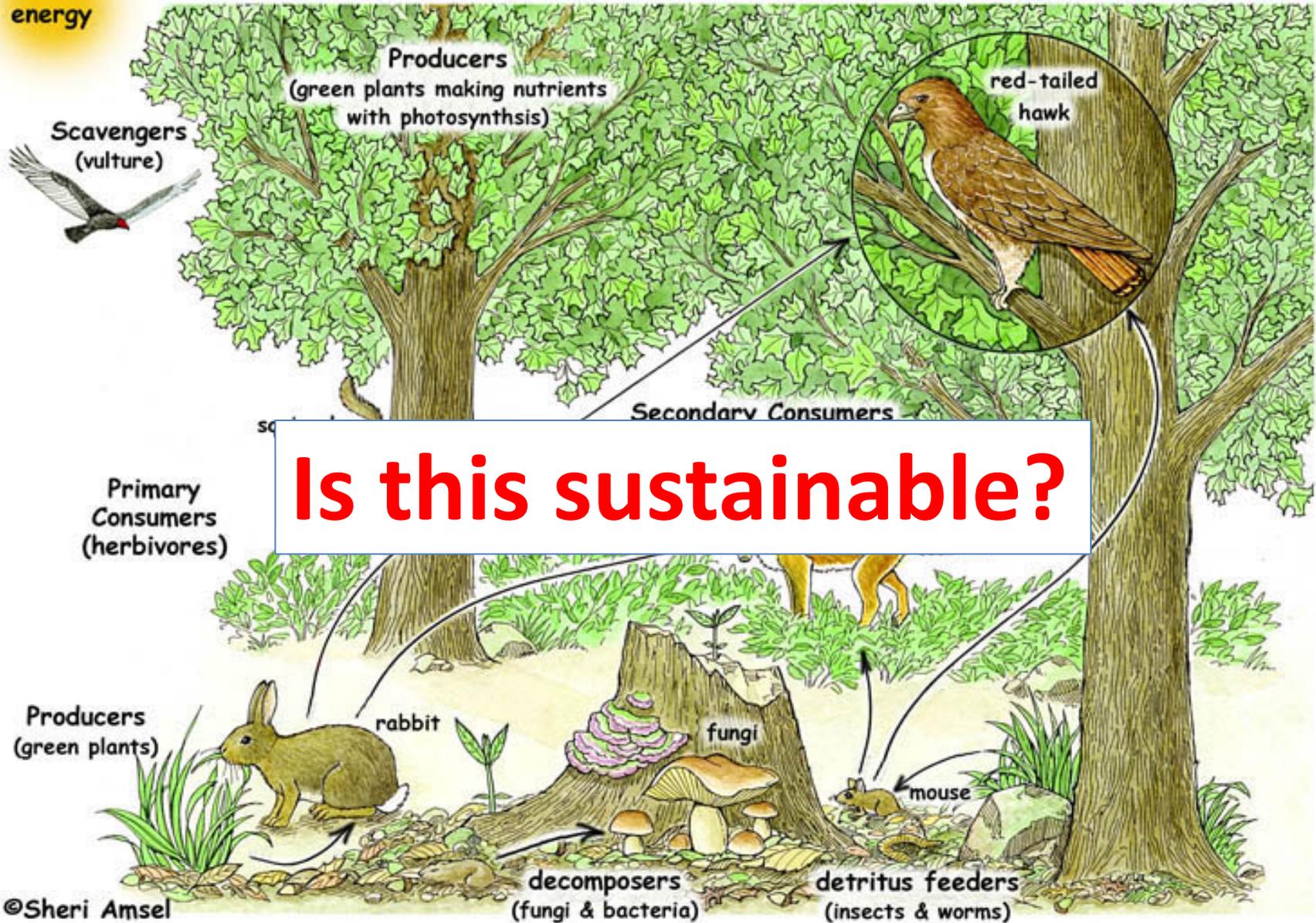
Modern Agricultural Evolution



2010 – Walmart 25% of US Grocery Sales

Forest Food Web

solar energy

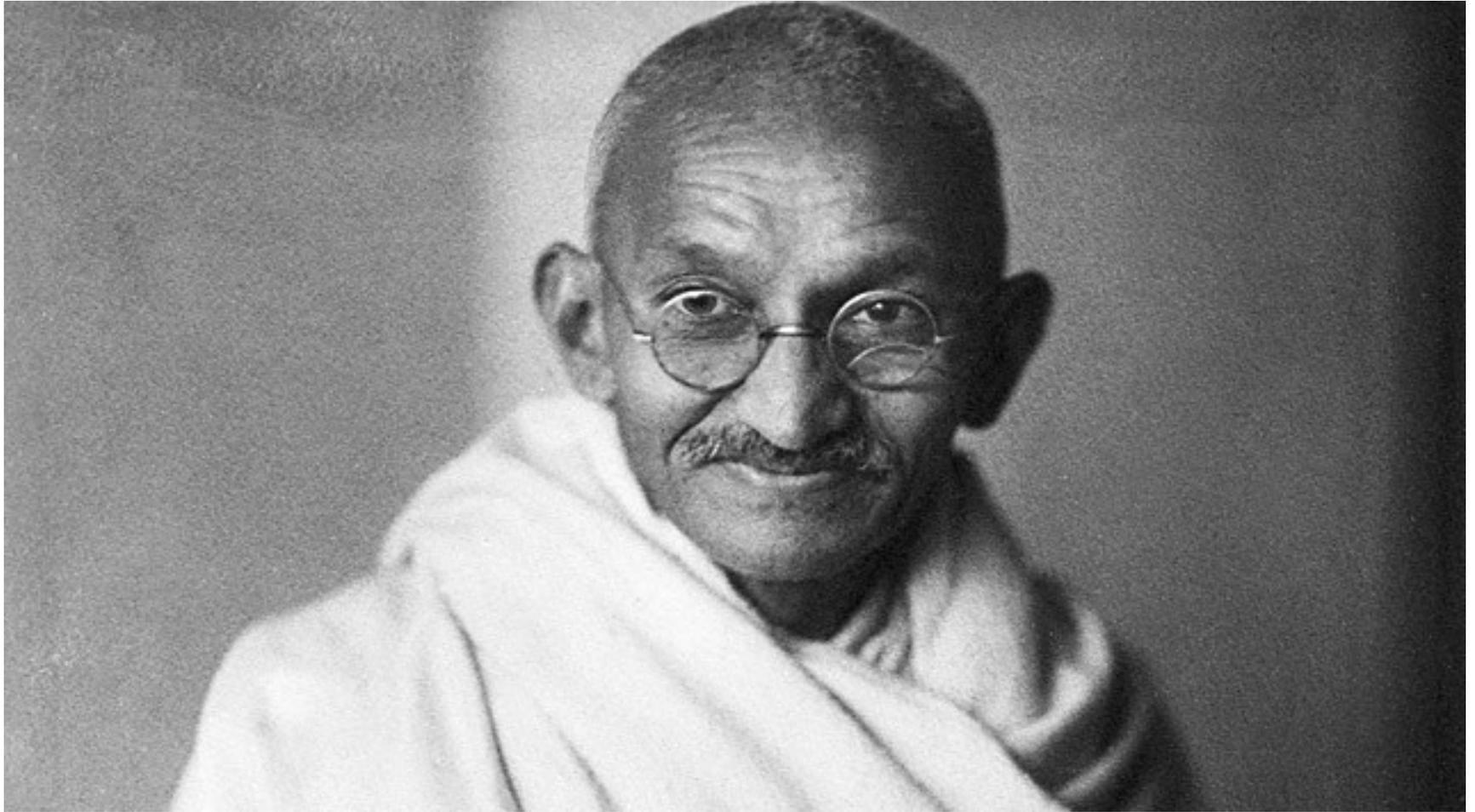


Is this sustainable?

Nature is not Sustainable



Nature is Restorative



Be the change you wish to see in the world.