

GGR Dream Map

Sabiha Imani, 2024

Email: artismgraphics@gmail.com

Key:



1. **MANGROVES** – Forming an estimated forest cover between 100,000-250,000 hectares in the Indus Delta, mangroves can store nearly 3-5 times as much carbon dioxide as tropical forests of the same size. They can offer an exceptional coastal ‘blue carbon’ solution but are currently endangered by pollution, deforestation, and urbanization. (Source: [Ecologi](#))



2. **SAPLINGS** – Ecologists highlight tree planting initiatives require careful planning and management to remove and store carbon successfully. Planting saplings of native trees at a distance of 20 x 20 feet can ensure trees develop wide enough trunks and large canopies that can absorb up to 52 pounds of carbon dioxide annually. (Source: [The Green Political Foundation](#))



3. **COMMUNITY FOREST MANAGEMENT** – This can help reduce deforestation and degradation to enhance the growth of forest biomass and, in turn, contribute to atmospheric carbon dioxide removals. (Source: [Forest Department of Sindh](#))



4. **CARBON NEGATIVE BUILDING MATERIALS** – Researchers are discovering new construction methods, relying on materials that can absorb more atmospheric carbon dioxide than they emit. I look forward to a future in which such materials, alongside multi-purpose green walls, are better incorporated into our built environment. (Sources: [Carbon Credits](#), [MDPI](#))



5. **URBAN SEQUOIA** – Introduced by architects at COP27. these structures incorporate technologies such as Direct Air Capture (DAC) to absorb atmospheric carbon. (Source: [Arch Daily](#))