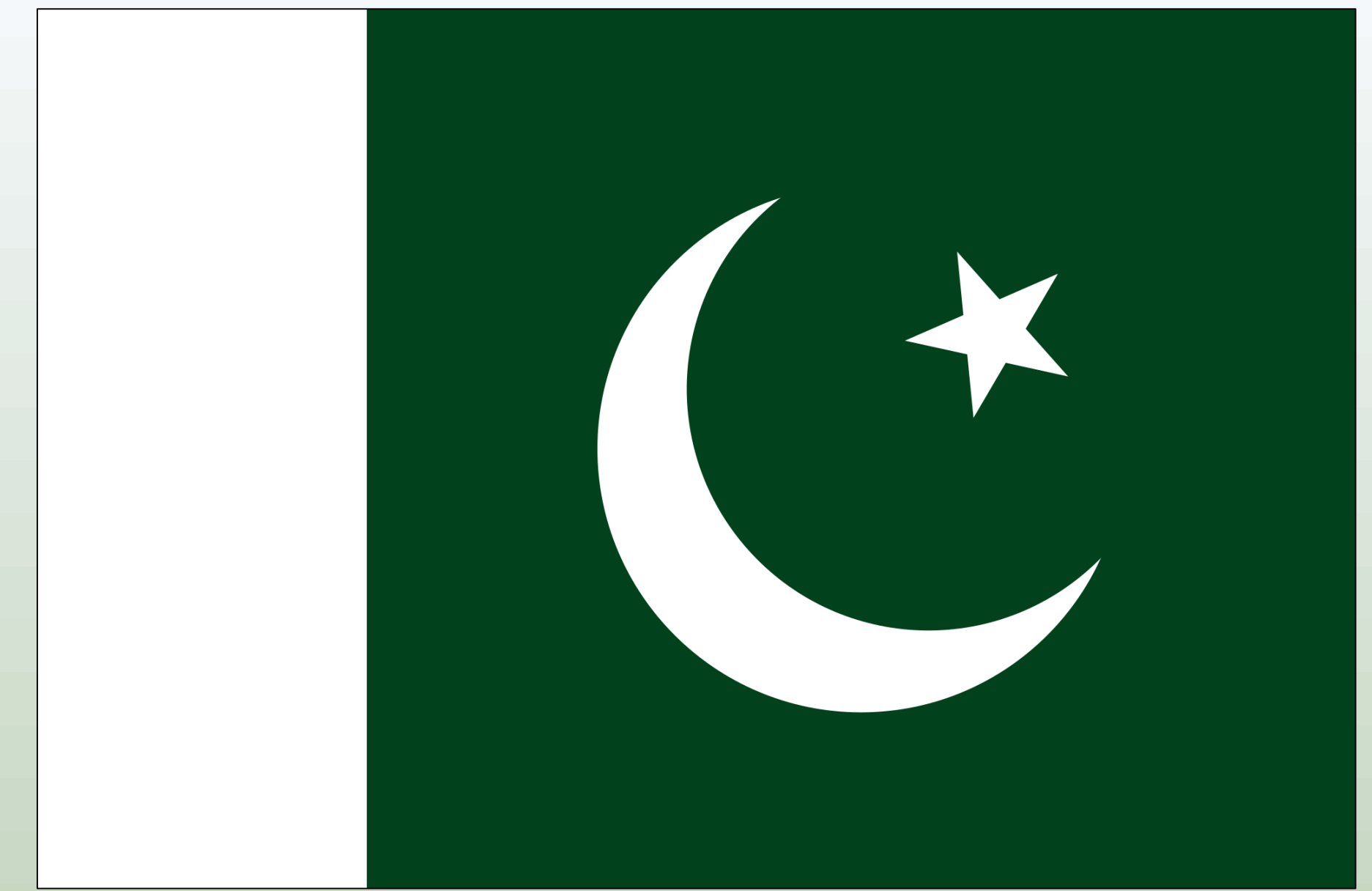# MUHAMMAD ABDULLAH

UNESCO | IHE DELFT

COUNTRY OF ORIGIN / BIRTH COUNTRY:
Pakistan

EDUCATIONAL BACKGROUND:
Bachelors in Civil Engineering (2013-2017)
*Research Associate with UNESCO Pakistan (2016-2017)*

WHY I CHOSE FLOOD RISK MANAGEMENT:

Growing up I saw my country struck with floods every year and seeing no proper flood management or mitigation techniques available to us, gave birth to an unconscious wish to develop abilities and expertise which would be able to help me in playing my role to make my country and countrymen flood-free. Pakistan is one of the 15 countries which are most exposed to floods. Every year floods cause devastation and destruction to the property and also result in the loss of many lives. This happens because we lack the proper means and training to confront this threat that hangs over our heads every year. ***But this is not just a problem of one country, but of the entire world***. It is evident that if we can anticipate the flood and be able to study and identify the flood trends then half of the chaos would be avoided.
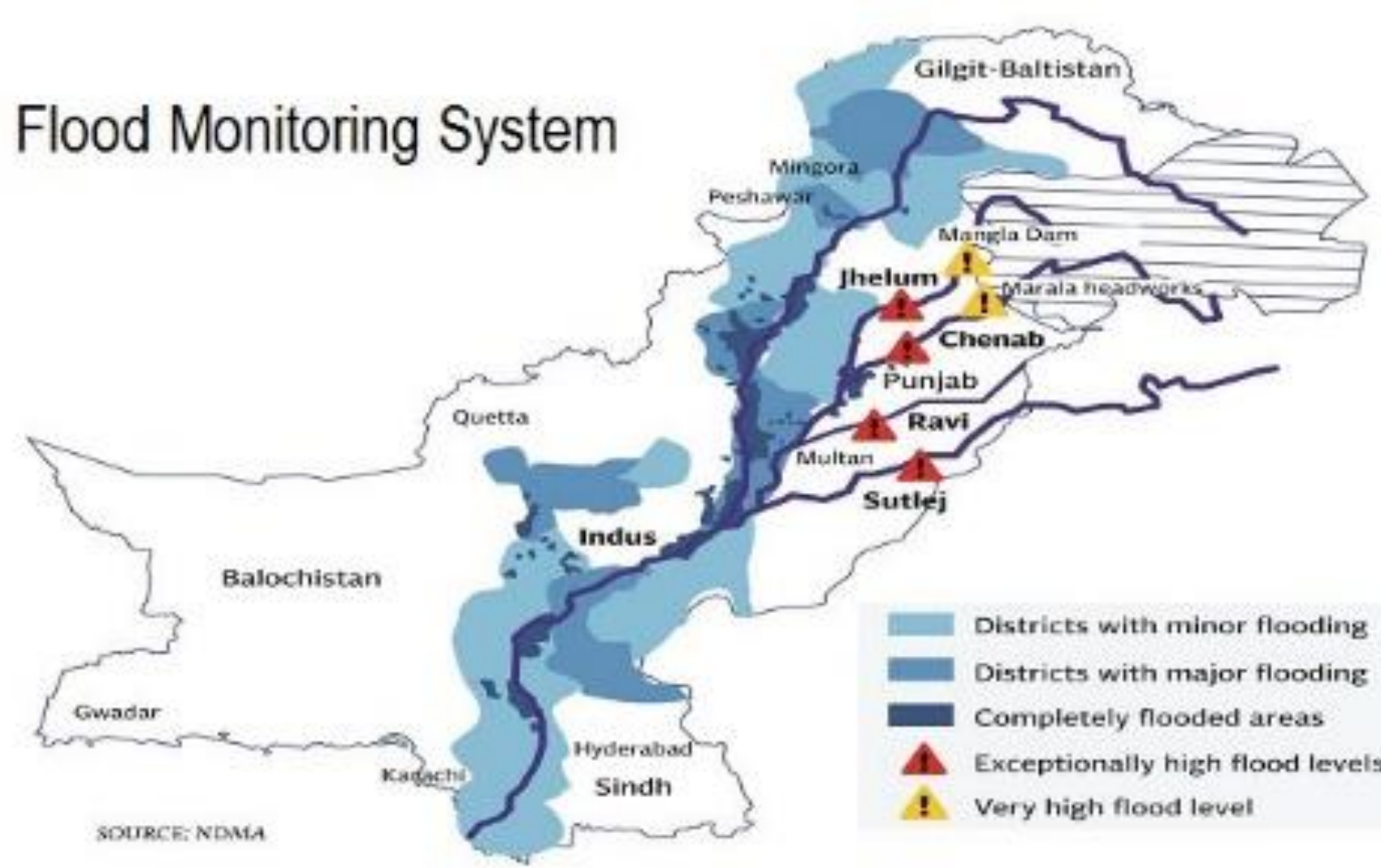

HOW I WILL USE THE KNOWLEDGE GAINED IN THE PROGRAM:

I believe that having professional expertise, knowledge, and skills will play a vital role in sustaining our water bodies with proper flood management is the dire need of the world, especially my country, Pakistan. And this course will not only develop the same expertise in me but also keep me connected with my passion and interest to strive in the field of Flood Management, Hydro informatics, Water and Agricultural Management. I see excessive opportunities of research, work and experience in both developing and developed countries which will allow me to *prove myself worthy and fruitful for this world.*

PREVIOUS RESEARCH:

- Diagnostic Hydrological analysis of Jehlum River.
- Let The Water Flow (Undamming increases water efficiency).
- Designing an entirely new hydrological system (agriculture, canals, lakes) for Pakistan.
- Increasing Biomass productivity through a farm scale sub-irrigation system.
- Agricultural production through moisture and controlled temperature.
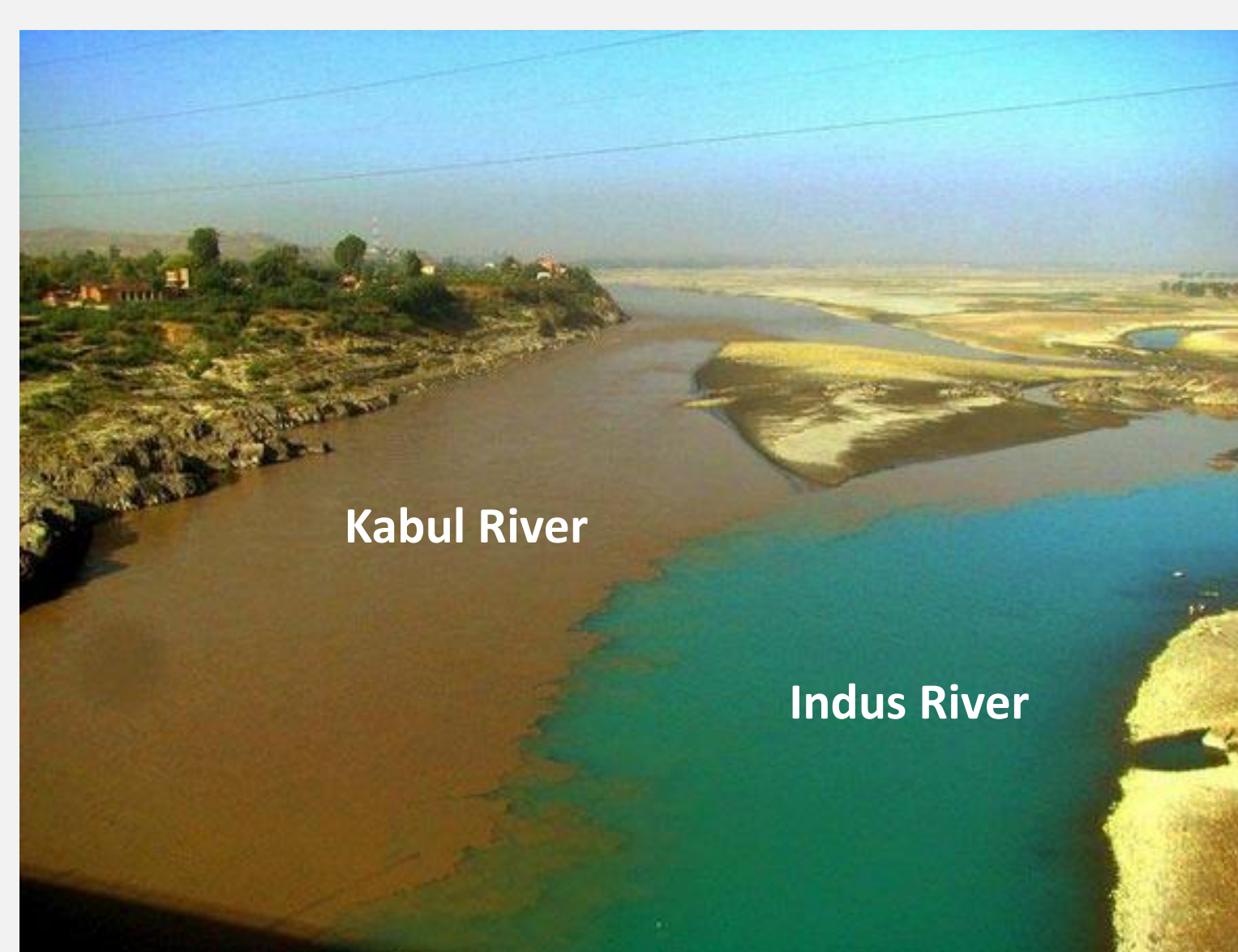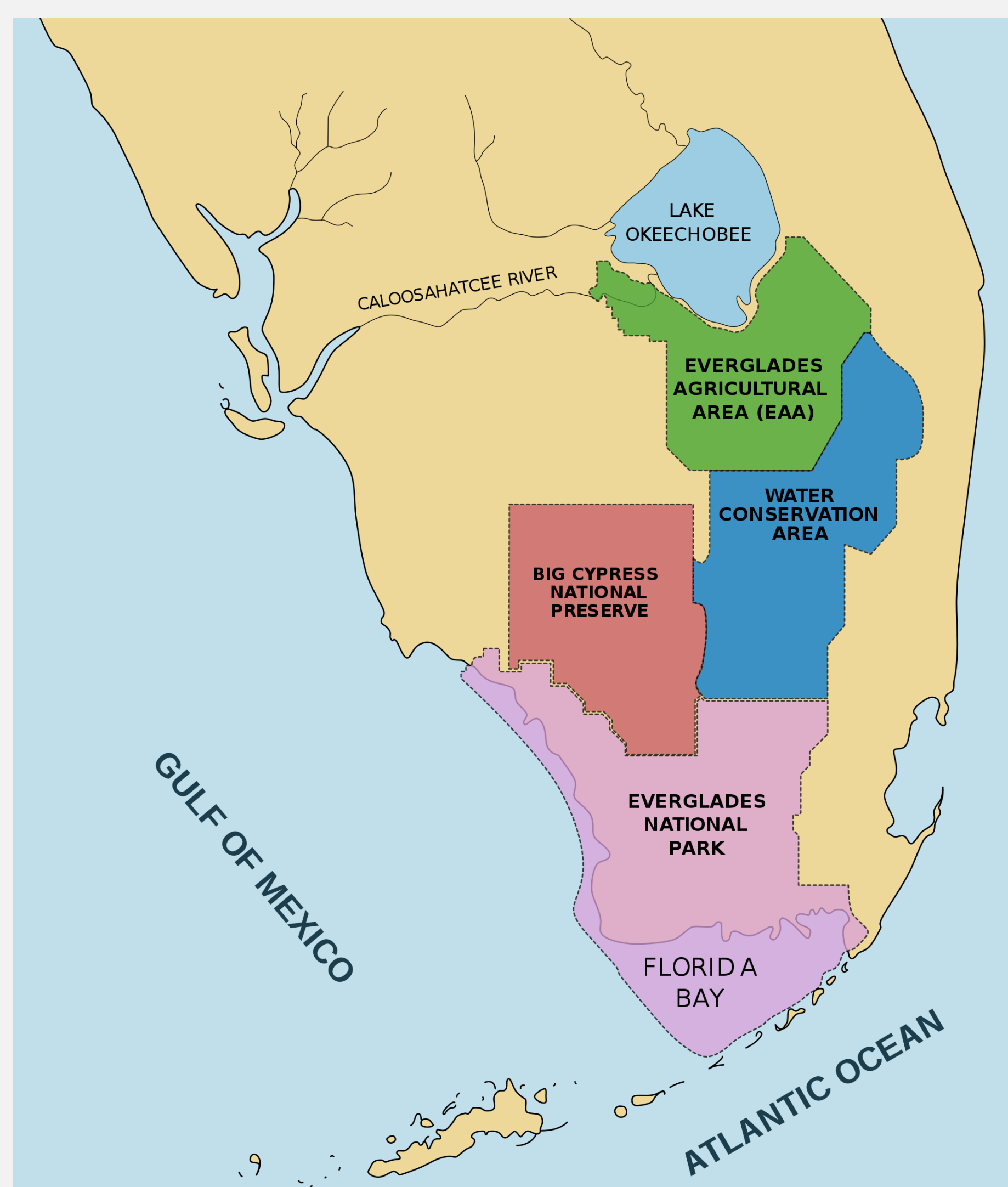
RESEARCH INTERESTS:

- Restoration of The Everglades Acosystem.
- Designing and implementing biomass productivity farm sub irrigation system in The Everglades agricultural region.
- Creating early flood and hurricane warning systems using HAARP tech. (if allowed)
- Inland navigation of Kabul River (between Pakistan and Afghanistan).
- Melting of Himalayan glaciers at an unprecedented rate due to Pakistan-India military stand-off.