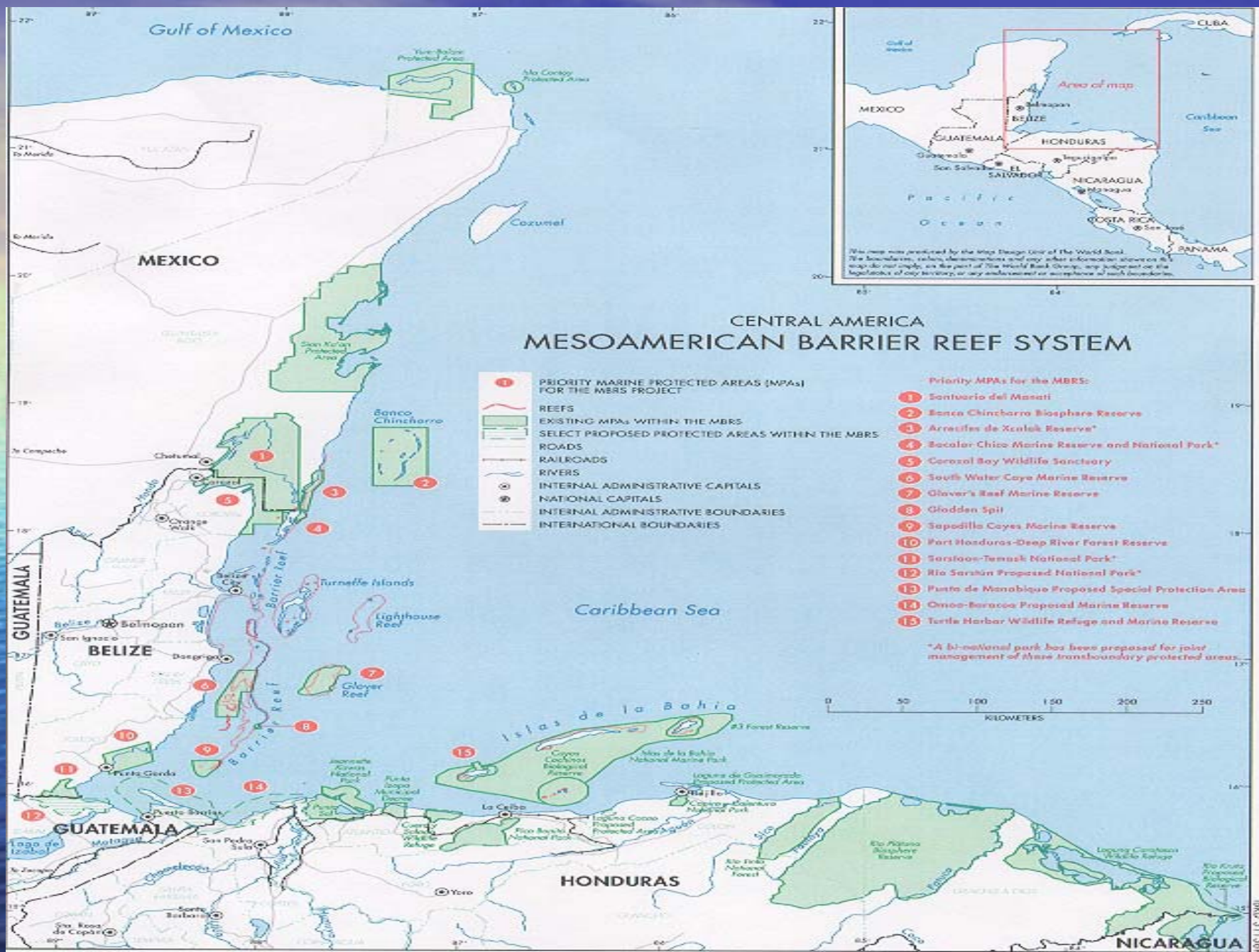


The background of the slide is a photograph of a sunset or sunrise over a body of water. The sky is a deep blue with some wispy clouds. A bright rainbow is visible on the left side of the image, arching over the water. The water is a dark blue with some ripples.

Foreign Access to Marine Genetic Resources in Belize:

Cooperation Versus Capture

Richard J. McLaughlin
University of Mississippi Law
Center



CONVENTION ON BIOLOGICAL DIVERSITY

1. Reaffirms sovereign right of States to Control access to genetic materials.
2. Encourages source States to facilitate access
3. In return, requires user States to receive prior informed consent and enter into mutually agreed benefit sharing provisions including:
 - Participation in research
 - Technology transfer
 - Share a percentage of proceeds resulting from commercialization

Collection of Marine Organisms



Material Processing

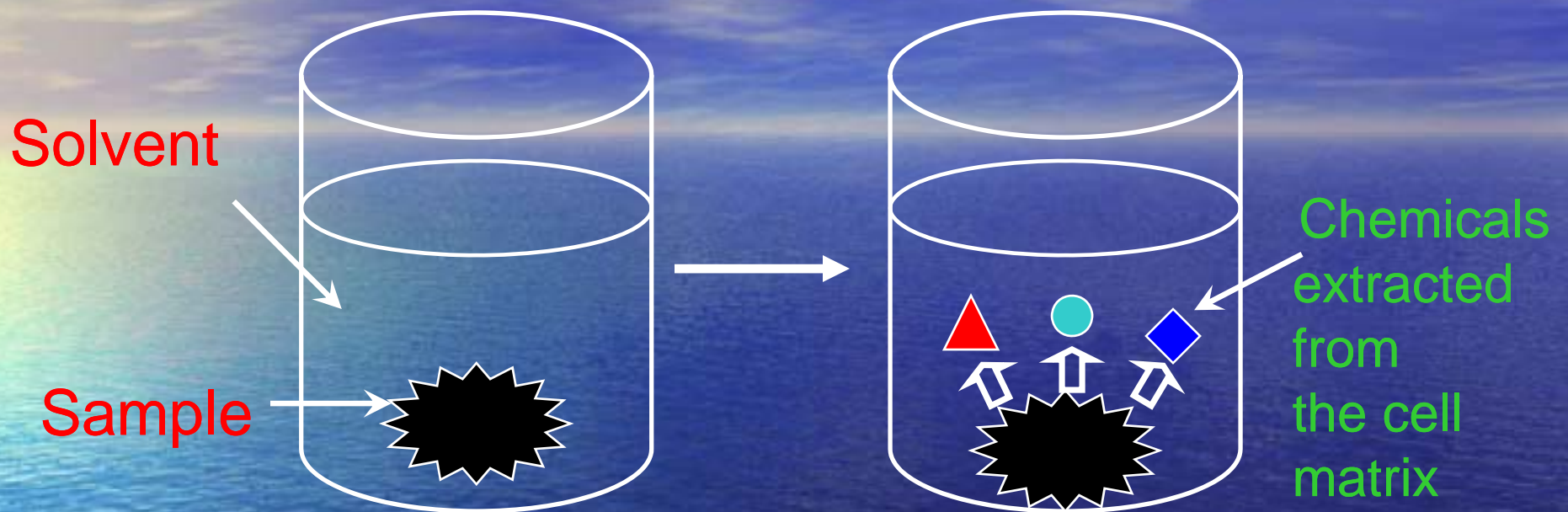


**Plants Dried, Ground
and Stored**

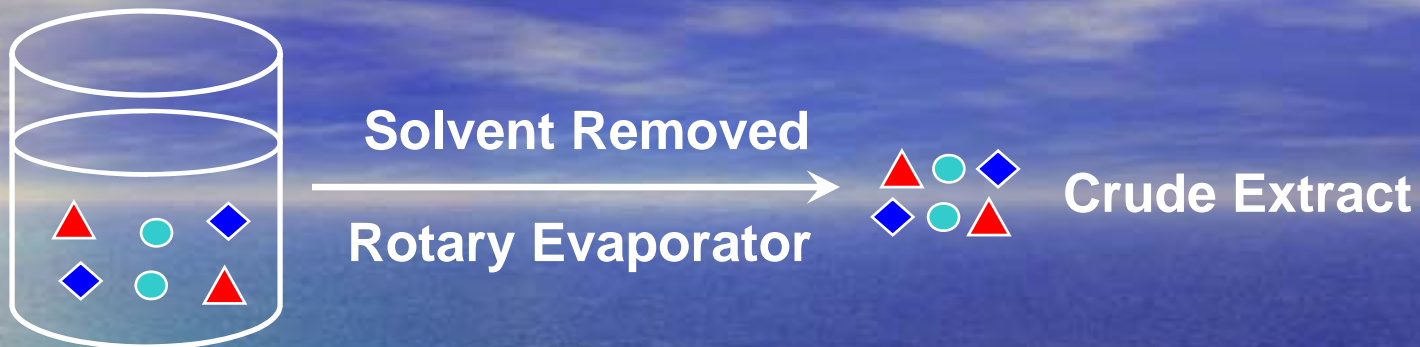


**Marine Organisms
Freeze-Dried**

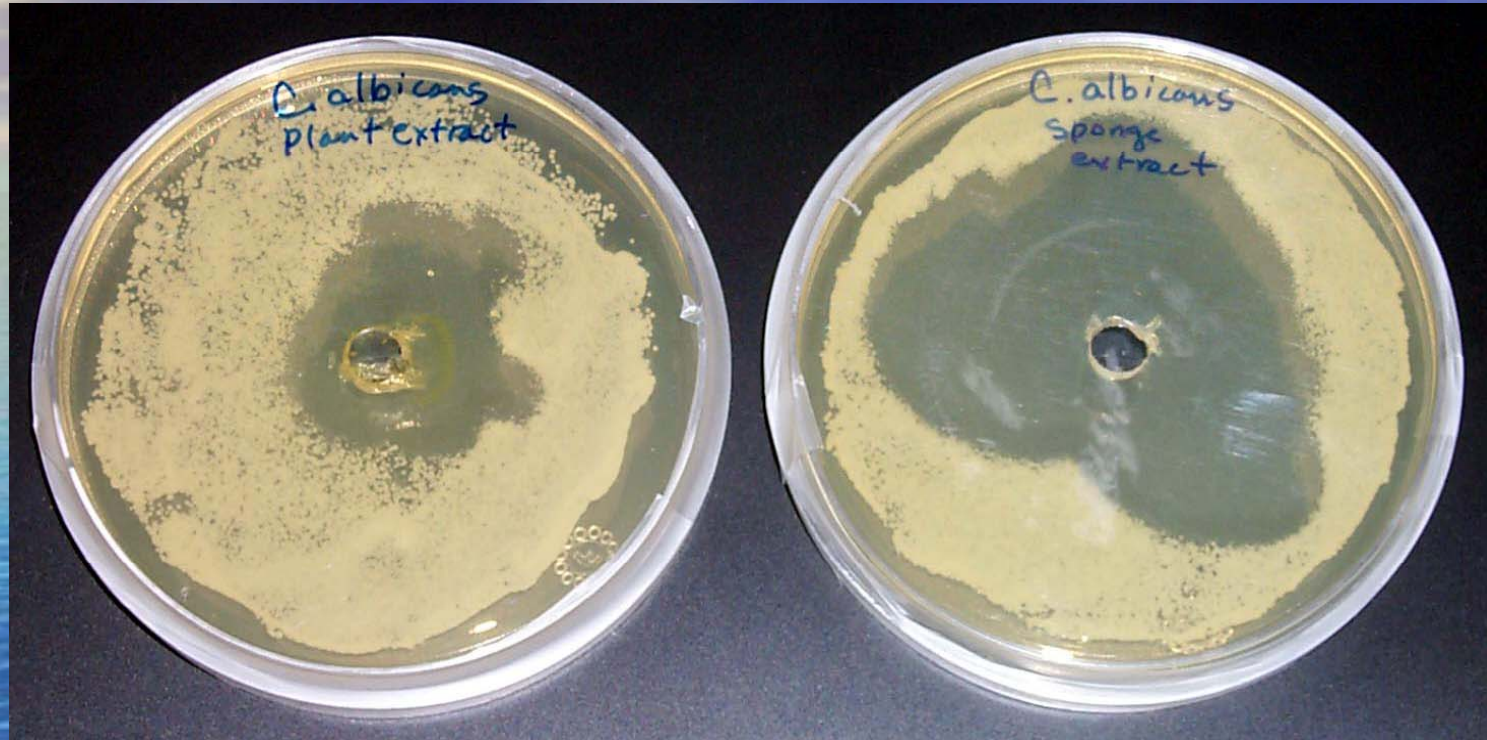
Extraction Process



Crude Extract Preparation



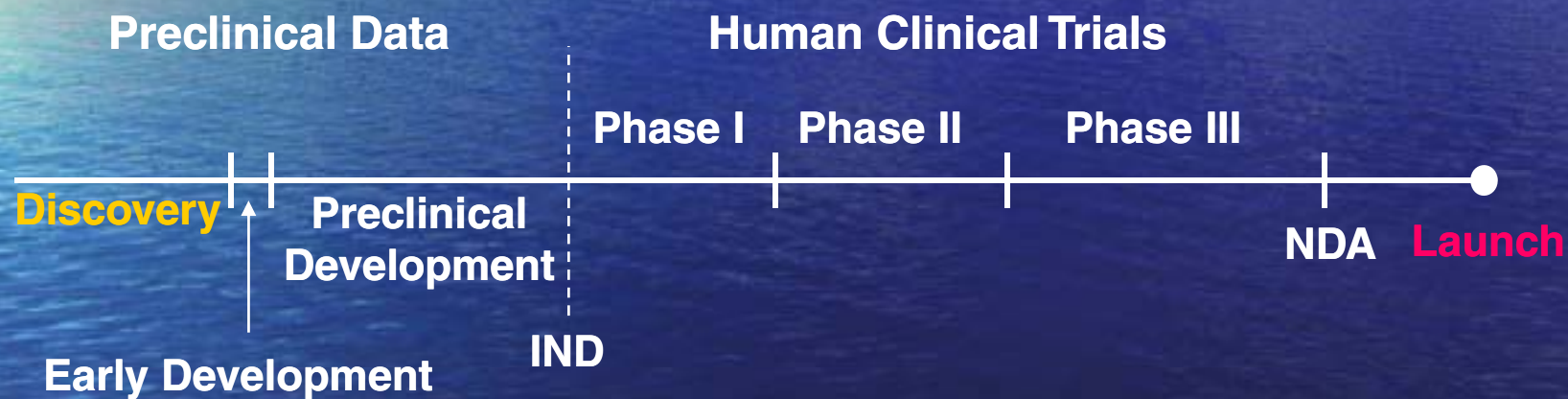
Antifungal Bioassay

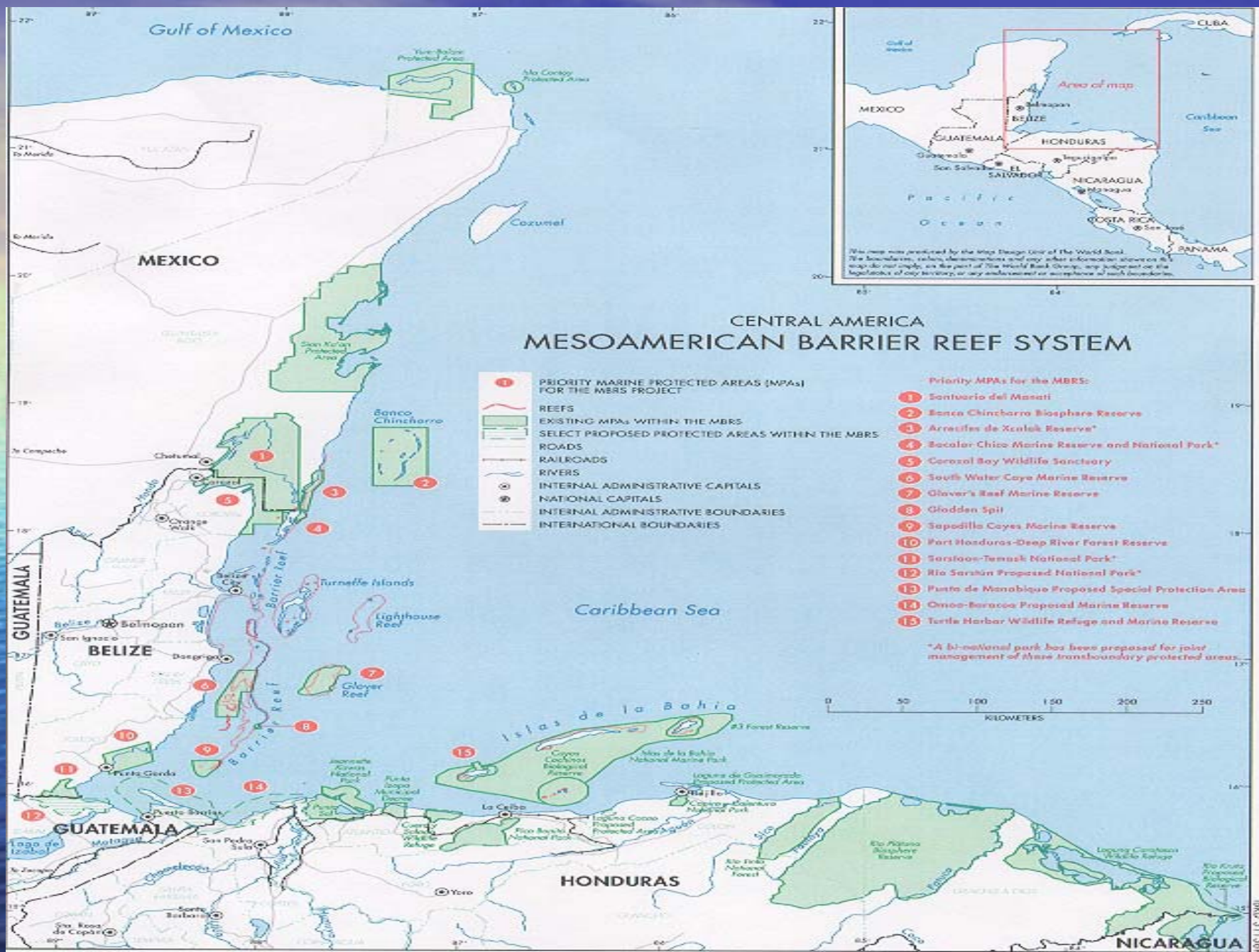


***Candida albicans*
&
Plant Extract**

***Candida albicans*
&
Marine Sponge Extract**

Drug Development Process





SHARED NATURAL RESOURCES

- Exploited for physical properties
- Exploitation will not deprive sharing nations of all econ. value
- Legal remedy available under international law

Shared Genetic Resources

- Exploited for informational value + protected by patent
- Exploitation may deprive sharing nation of all economic value
- No legal remedy currently available

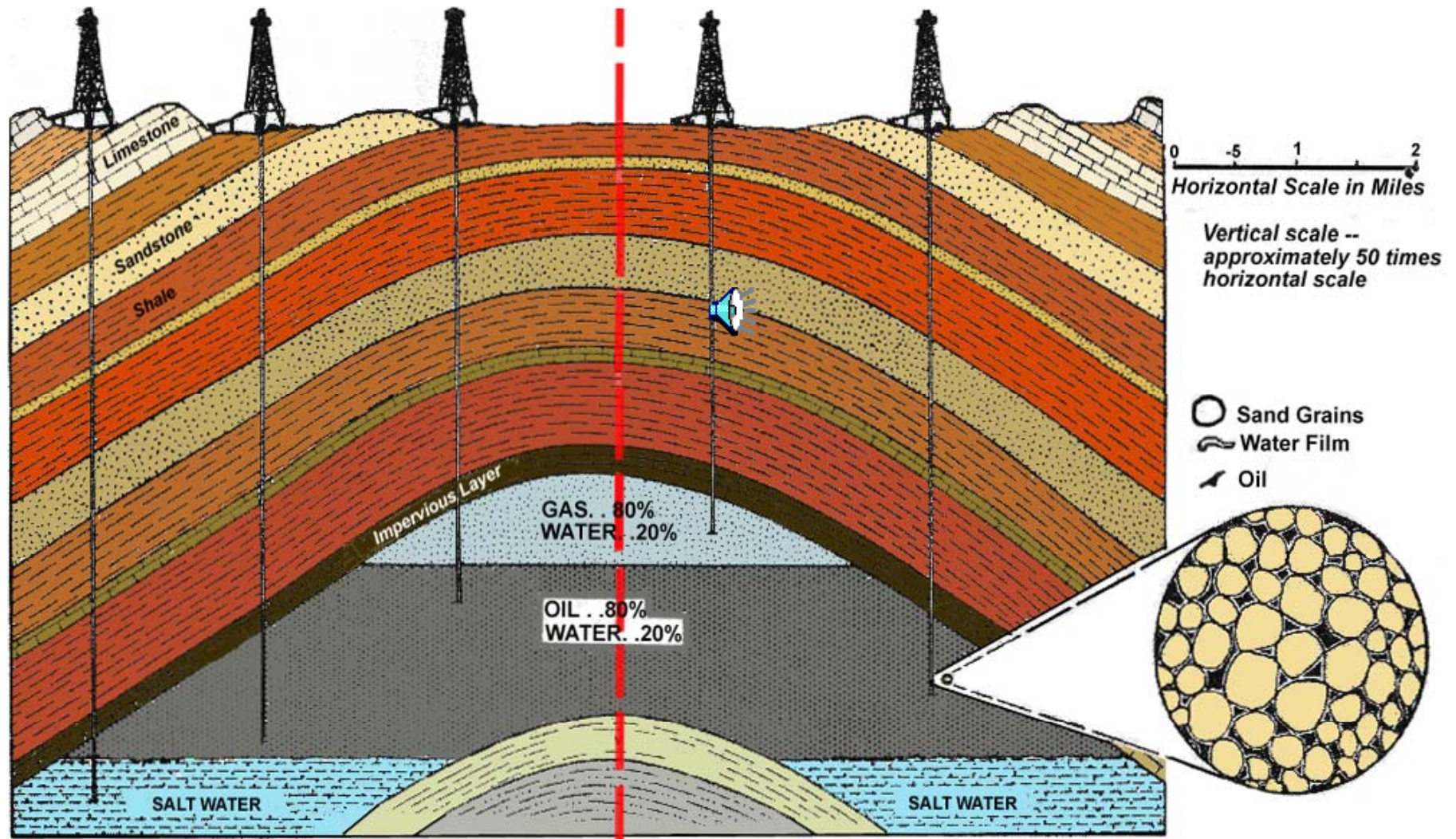
The background of the slide is a photograph of a sunset or sunrise over a vast body of water. The sky is a deep blue with wispy white clouds. A bright rainbow is visible on the left side, arching over the horizon. The water is dark blue with gentle ripples.

Fugacious = fleeting, passing quickly away

- **Examples:**

- **Transboundary oil and gas pools**
- **Int'l rivers and groundwater**
- **Migratory wildlife**

Transboundary Oil Field



Benefits of an Ecosystem-Based Approach

- Prevents one nation from being played against another
- Improves the efficiency and cost effectiveness of scientific research and reduces duplication
- Offers broader opportunities for education and training
- Enhances monitoring and enforcement mechanisms and reduces illicit cross-border movements of genetic resources
- Reduces friction between sharing nations and improves political relations