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Natural Solutions for Climate Change Impacts in Tropical Seas

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Resilience: a strategy to cope

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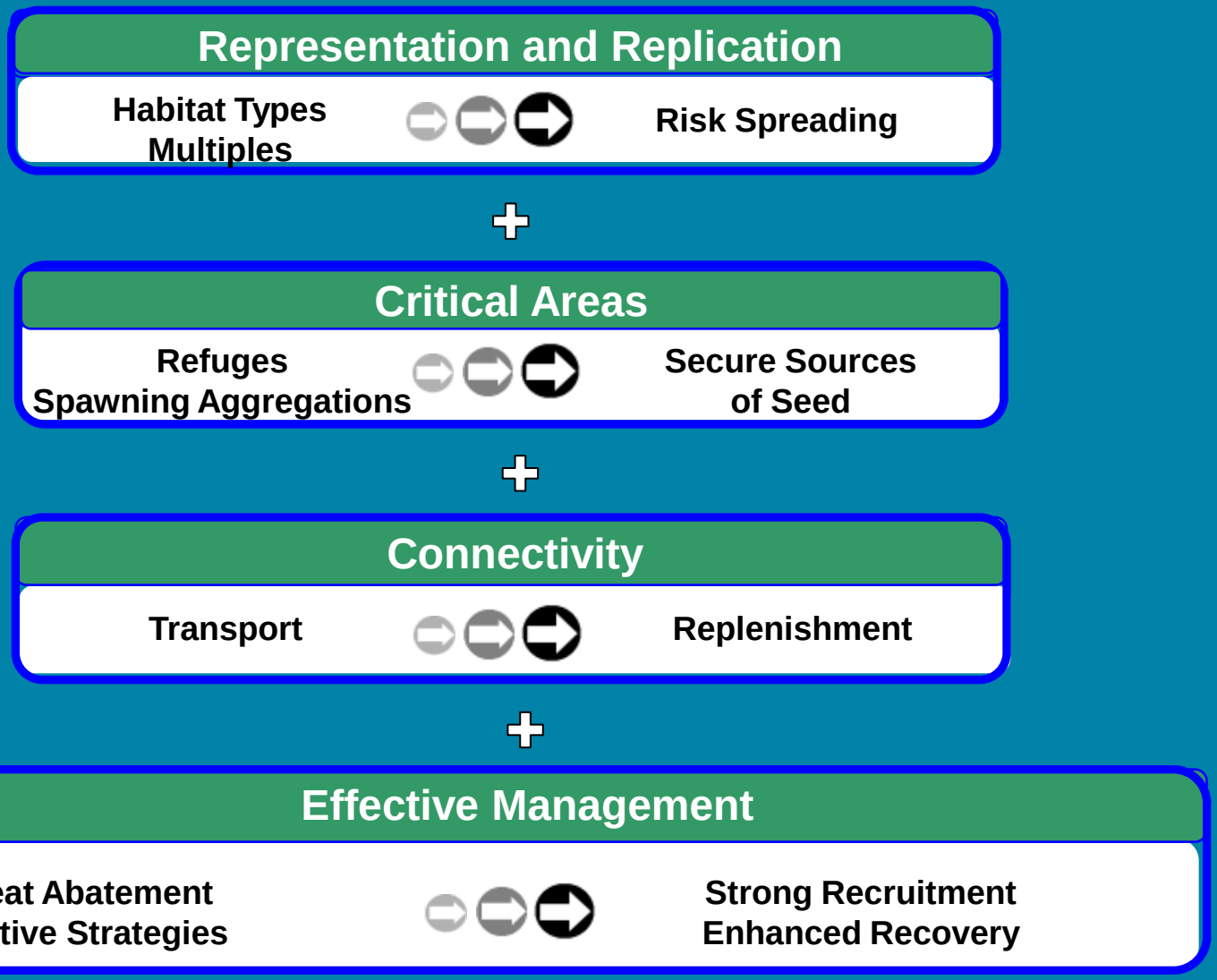
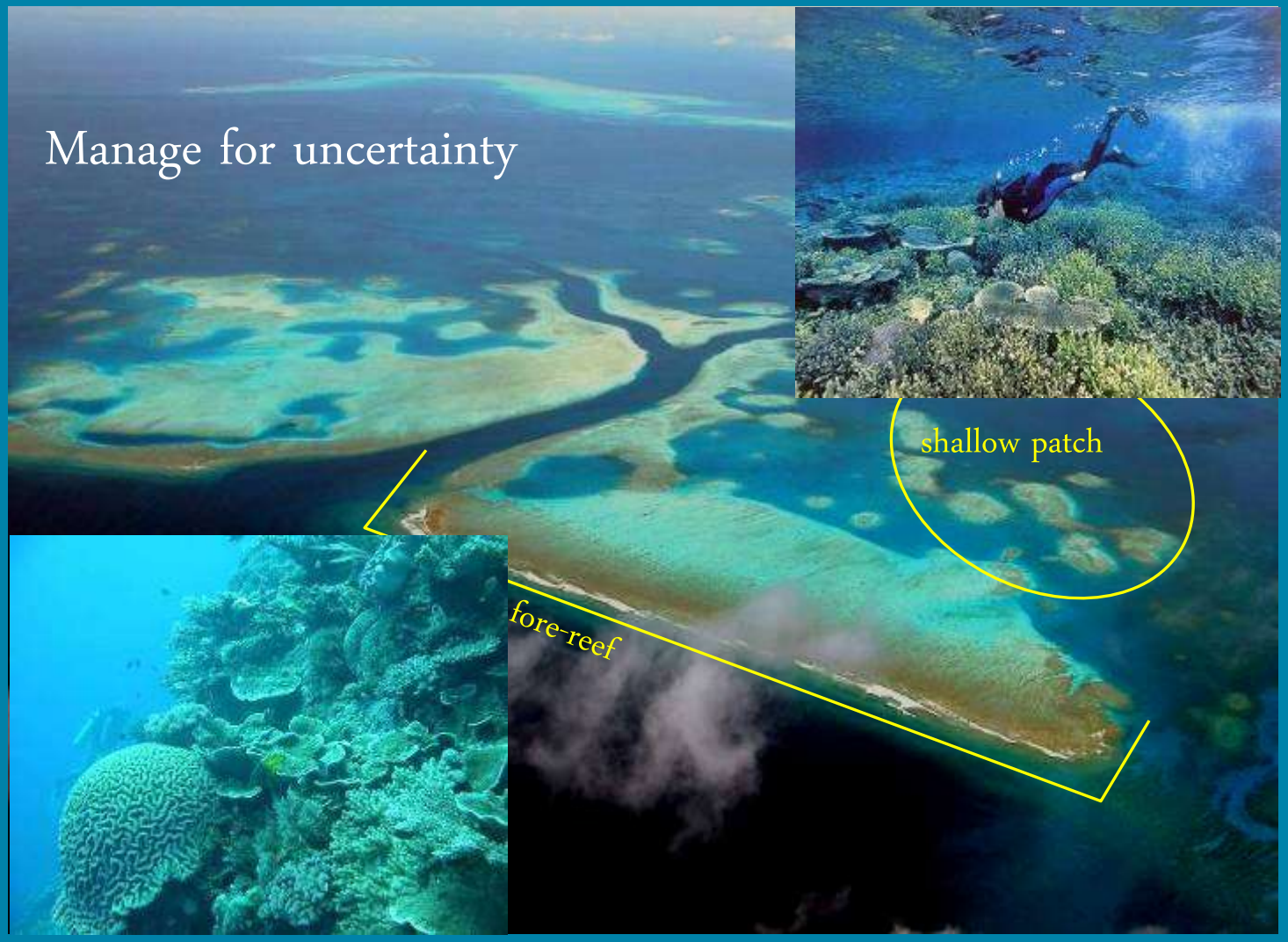
TNC Resilience Model



Representation and Replication

Habitat Types Multiples → **Risk Spreading**



Critical Areas

Refuges
Spawning Aggregations

Secure Sources
of Seed

Connectivity

Transport  **Replenishment**

Effective Management

Threat Abatement
Adaptive Strategies

Strong Recruitment
Enhanced Recovery

Control threats – reduce stress

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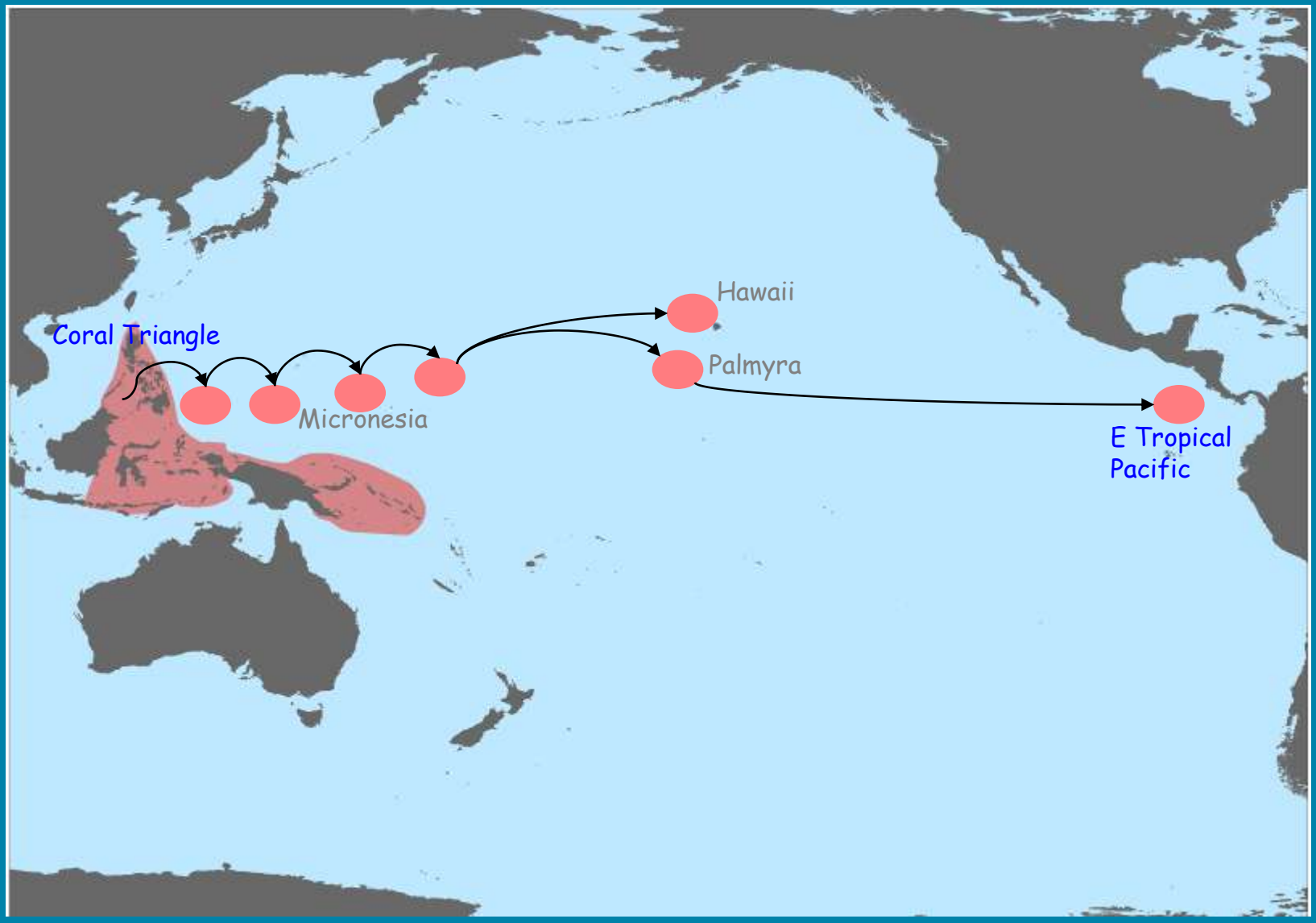
Stepping stones across the Pacific



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Nature's Infrastructure provides …

Multiple direct benefits:

- Shoreline protection, food, jobs, carbon sequestration (mangroves)
- Sustainable development

Cost effective, sustainable solution:

- Value of coral reefs: $31 – 600 thousand/sq. km
- Shoreline protection cost: $250,000 – $15 million/km

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Central America Leadership Role

Support resilience research & field applications

- Especially Mesoamerica reef

Ensure that nature-based adaptation is:

- Integral to CC adaptation & development programs
- Adopted internationally as viable, good investment
- Key component of international framework on CC

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Muchas gracias