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Стратегии адаптации к изменениям климата для устойчивого управления водными ресурсами малых островов

Climate Change Adaptation Strategies for Sustainable Water Management in Small Islands

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XV МЕЖДУНАРОДНЫЙ НАУЧНО-ПРАКТИЧЕСКИЙ СИМПОЗИУМ И ВЫСТАВКА

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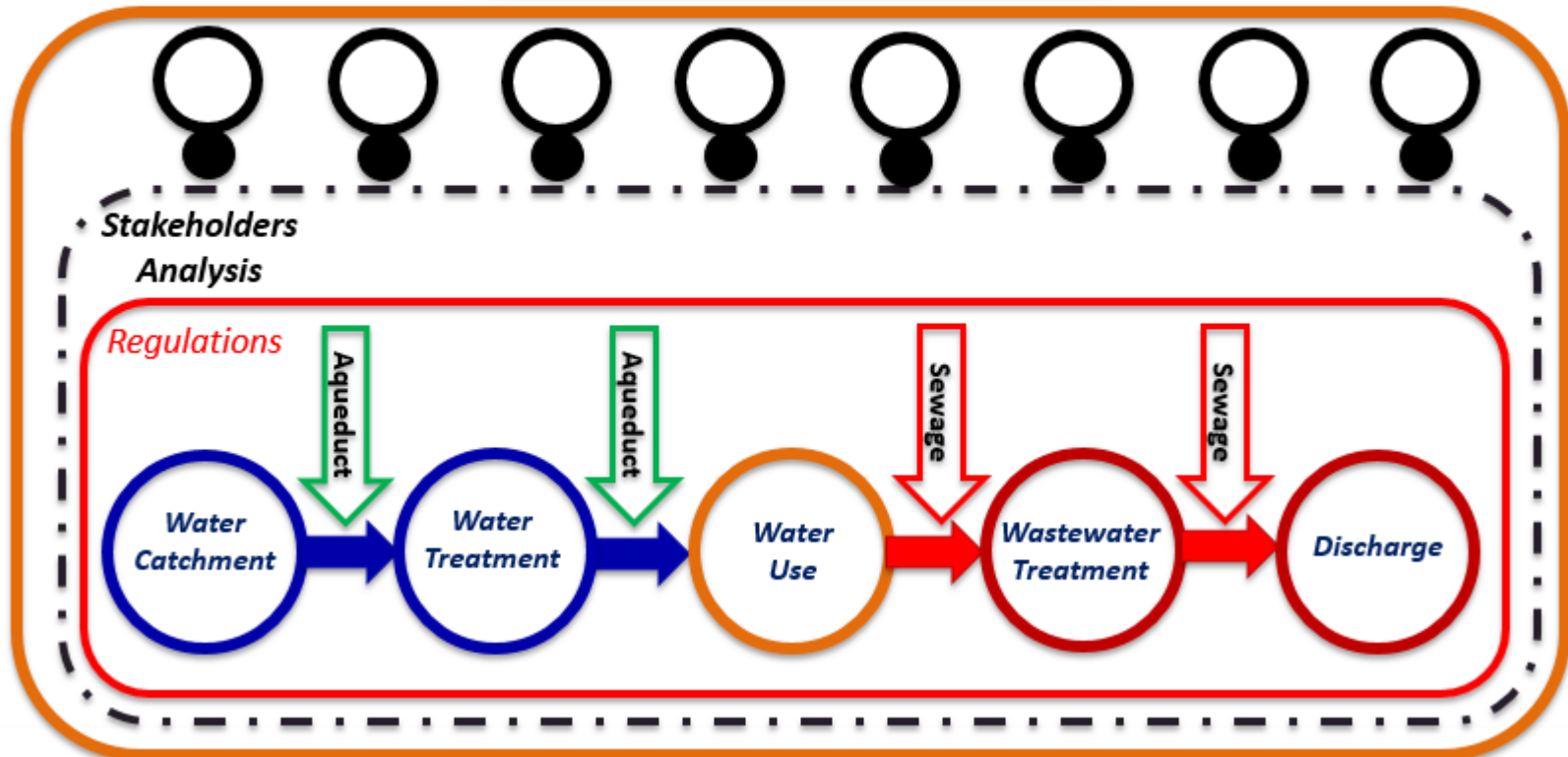
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The Water System

Integrated Water Management
"Manejo Integrado del Recurso Hídrico"





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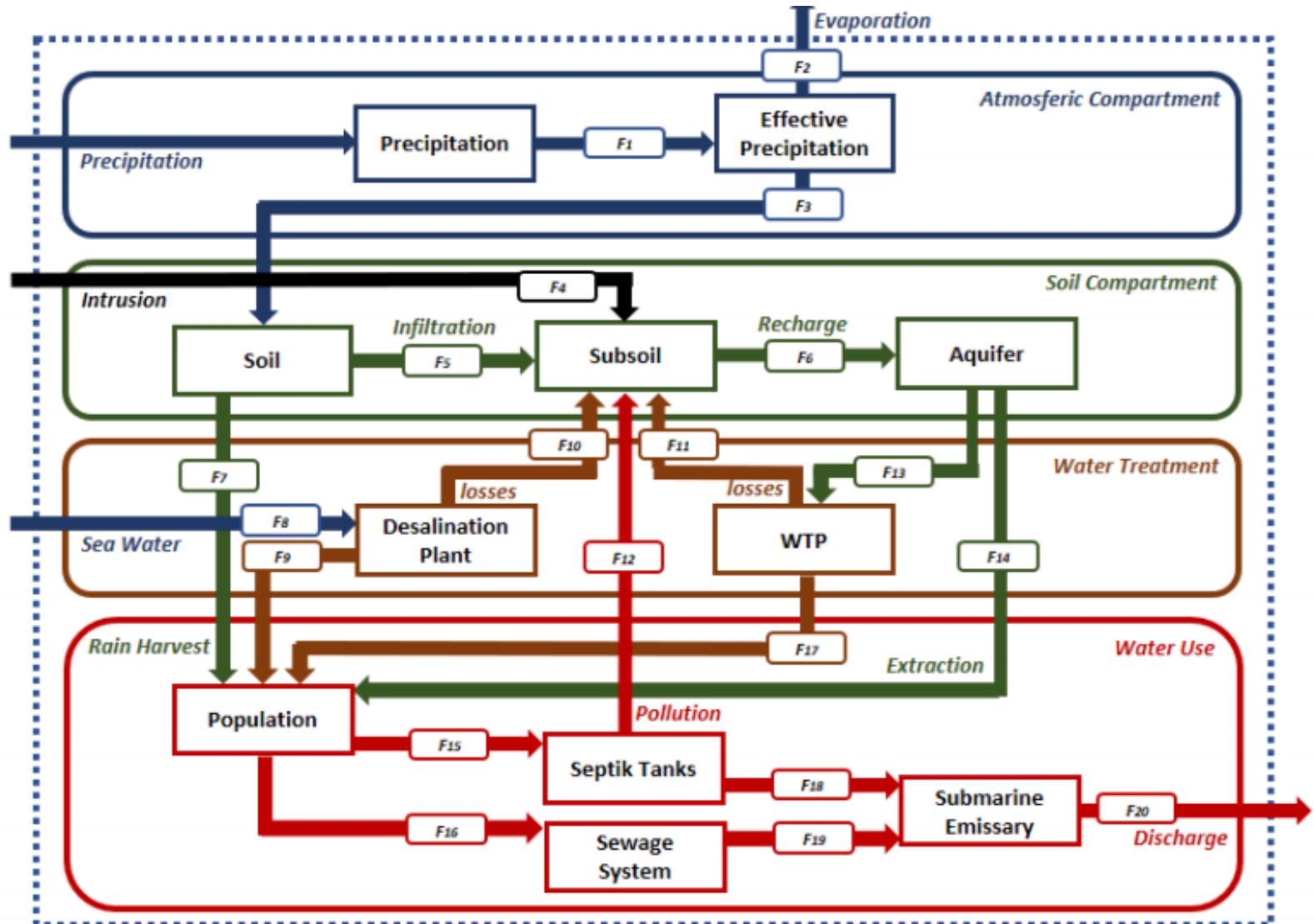
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Research Phases

- System Characterization
- Sustainability Assessment
- Environmental Policy Analysis
- Stakeholder Analysis
- Climate Change Adaptation Strategies

1. System Characterización



2. Sustainability Assessment

Table 1. Sustainability Assessment of the Water Management System (Adapted from Koop et al., 2015) [14].

Water Sources	Surface Water Quality	Unsustainable
	Groundwater Quality	Unsustainable
	Rain Harvest	Highly Sustainable
Drinking Water Services	Water Treatment Plant	Unsustainable
	Desalination Plant	Unsatisfactorily Sustainable
	Drinking Water Access	Unsustainable
	Water System Leakages	Unsustainable
	Water Consumption	Unsatisfactorily Sustainable
Sewer System	Sewer System Access	Unsustainable
	Sewer System Age	Unsustainable
	Storm Water Separation	Unsustainable
Wastewater Treatment	Wastewater Treatment	Unsustainable
	Energy Recovery	Unsustainable
	Nutrient Recovery	Unsustainable
	Sewage Sludge Recycling	Unsustainable
Solid Waste Management	Solid Waste Collection	Unsatisfactorily Sustainable
	Solid Waste Recycling	Unsatisfactorily Sustainable
	Solid Waste Energy Recovery	Unsustainable
Climate Adaptation	Green Space	Highly Sustainable
	Ecological Buildings	Unsatisfactorily Sustainable
	Biodiversity	Highly Sustainable
	Green Space	Highly Sustainable
	Population Growth	Highly Sustainable
Governance	Local Authority Management	Unsustainable
	Public Participation	Highly Sustainable
	Water Action Plans	Highly Sustainable
	Water Regulations	Highly Sustainable
	System Monitoring	Unsatisfactorily Sustainable
	System Investment	Unsustainable

2. Climate Adaptation Strategies

- Water Security Strategies.
- Water Quality Strategies.
- EcoTourism as a Water Management Strategy.
- Governance Strategy.



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