Federated States of Micronesia
Vulnerability and Adaptive Assessment – Food Security Context

2010 USCRTF Meeting

FSM Case Study
Marion Henry, Secretary
FSM National Government
Department of Resources and Development
Ecological Context
Socio-economic Context
Scale of Problem
KOSRAE STATE
FLOODING HOME IN TAFUNSAK
KOSRAE STATE
MAIN ROAD FLOODING
SAMPLE ROTTEN TARO
ETTAL, MORTLOCKS REGION & FANANU, NORTHWEST REGION
FSM Atolls V&A – 3 States covering 14 islands
(Mar – Apr 2010)
# Multi-sectoral V&A Team Coordination

<table>
<thead>
<tr>
<th>Sector</th>
<th>National</th>
<th>Kosrae</th>
<th>Pohnpei</th>
<th>Chuuk</th>
<th>Yap</th>
<th>Technical Partners</th>
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<tbody>
<tr>
<td>Marine resources</td>
<td>FSM R&amp;D</td>
<td>KIRMA &amp; DREA</td>
<td>DLNR &amp; CSP</td>
<td>DMR</td>
<td>DR&amp;D</td>
<td>Guam CRM &amp; JICA</td>
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<td>Water resources</td>
<td>FSM OEEM</td>
<td>EPA</td>
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<td>OP&amp;S</td>
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<td>Forest resources</td>
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<td>DLNR</td>
<td>DAF</td>
<td>DR&amp;D</td>
<td>SPC</td>
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<td>Soil resources</td>
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<td>DLNR &amp; CSP</td>
<td>DAF</td>
<td>DR&amp;D</td>
<td>USDA-NRCS</td>
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<td>Pest &amp; disease (invasive species)</td>
<td>FSM R&amp;D</td>
<td>DAF</td>
<td>DR&amp;D</td>
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<td>Food security resources</td>
<td>FSM R&amp;D</td>
<td>DLNR, BEA &amp; COM-FSM CRE</td>
<td>DAF</td>
<td>DR&amp;D</td>
<td>SPC</td>
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<td>IOM &amp; SOPAC</td>
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Water Security

Water Accessibility
V&A Projected Impacts

- Increase in air and water temperatures
- Change in rainfall patterns
- Rising sea level
- Ocean acidification
- Increase in intensity and range of cyclones
- Increase in storm surge risks

Health

Extreme weather

Water

Food
Challenge: Adaptation and Relocation/Migration
Other Hidden Causes
Mitigate? Adapt? Or Surrender?