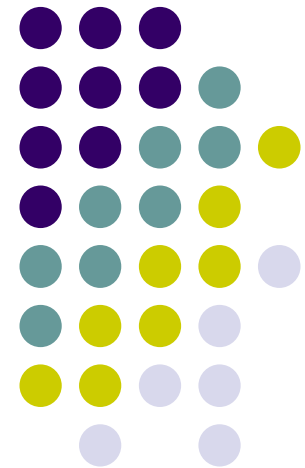
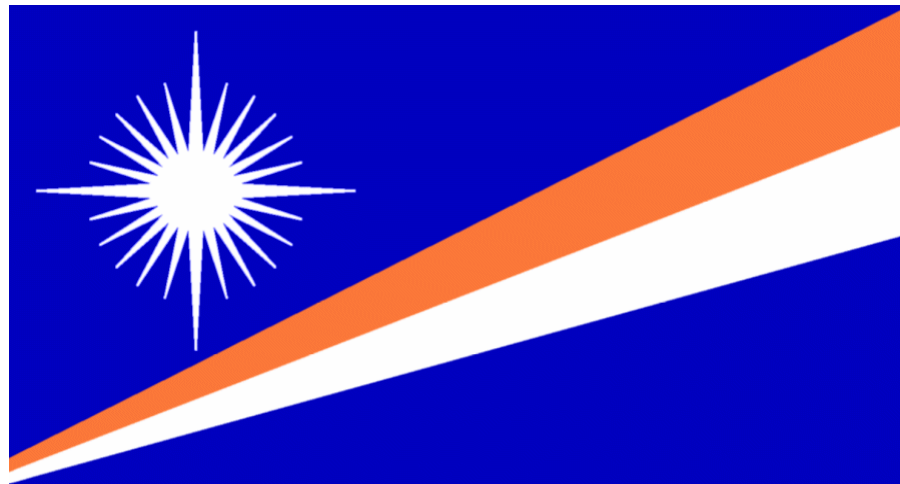


DEVELOPMENT OF A DISASTER RISK MANAGEMENT NATIONAL ACTION PLAN

The RMI Experience



Presented by Jorelik Tibon
Disaster Risk Management Task Force
Office of the Chef Secretary, Republic of the Marshall Islands

Presentation Outline



- Country Profile
- Environmental challenges, hazards and risks
- Development of DRM NAP
- Nap Process
- Implementation Structure and Process
- Financing Strategy
- Way Ahead

Profile



- 29 low lying coral atolls and islands
- Aligned in two nearly parallel chain: *Ratak* Chain and *Ralik* Chain
- Located roughly between Hawaii and Australia
- Land area is 70 sq. miles compared to 700 sq. miles of ocean it sits on
- Population of 58,800, 43% are children under 15 years age, 56% between 15-64, approximately 2% 65 and over

Profile



- National income: agriculture, tourism and fisheries
- GPD \$144 million
- Key sectors: Agriculture & Fisheries 31.7%; Industry: 14.9%; Services: 53.4%
- Government budget of \$150 M, 25% domestic revenue
- 60% Compact of Free Association with U.S.
- Other Donor Governments about 15%

Environmental Challenges



- Urbanization
- Coastal Erosion
- Solid waste management
- Natural Resources Depletion
- Natural & Human-induced Disasters
- Global Warming and Climate Change

Responding to Environmental Challenges



- **RMI President endorsed Pacific Regional Disaster Risk Management Framework for Action 2005-2015**
- **High Level Advocacy Team visit in December 2006**
- **Planning visit in late April 2007**
- **Task Force Workshops and National Stakeholders Workshop (May/June 2007)**
- **NAP Draft completed November 2007**
- **Presentation to Reference Group (NDC) February 2008**
- **Presentation to Cabinet by April 2008**



Hazards - Risk Level

Man made

- Fire – High
- Marine Oil Spill – High
- Water supply contamination – High
- Hazard Materials – High
- Health Epidemics – High
- Transport Accidents - Medium



Hazard – Risk Level

Natural Hazards

- Typhoon – High
- High Surf – High
- Drought – Medium
- Volcanoes – Low
- Earthquakes – Low
- Tsunami – Low



Existing DRM Arrangement

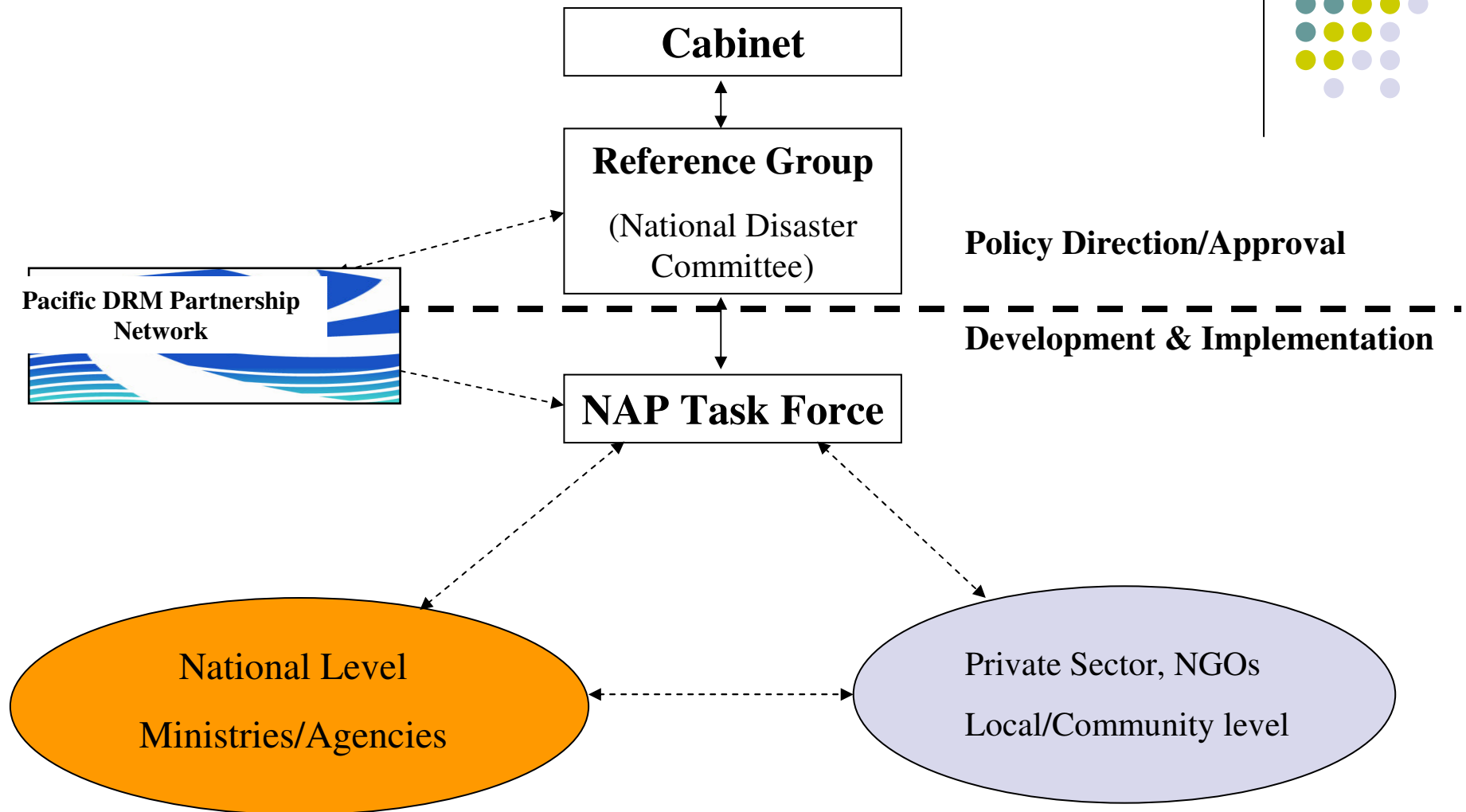
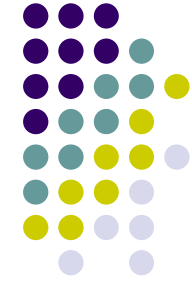


- Formalized in 1987
- 7 years later introduced *Disaster Assistance Act*
- Hazard Mitigation Plan in 1994
- Drought Disaster Plan in 1996
- National Disaster Management Plan in 1997

Disaster Management Committee and National Emergency Management and Coordination Office (NEMCO) under the Office of the Chief Secretary

- 2005 revised to National Disaster Risk Management National Action Plan (DRM NAP)

NAP Development & Implementation Structure

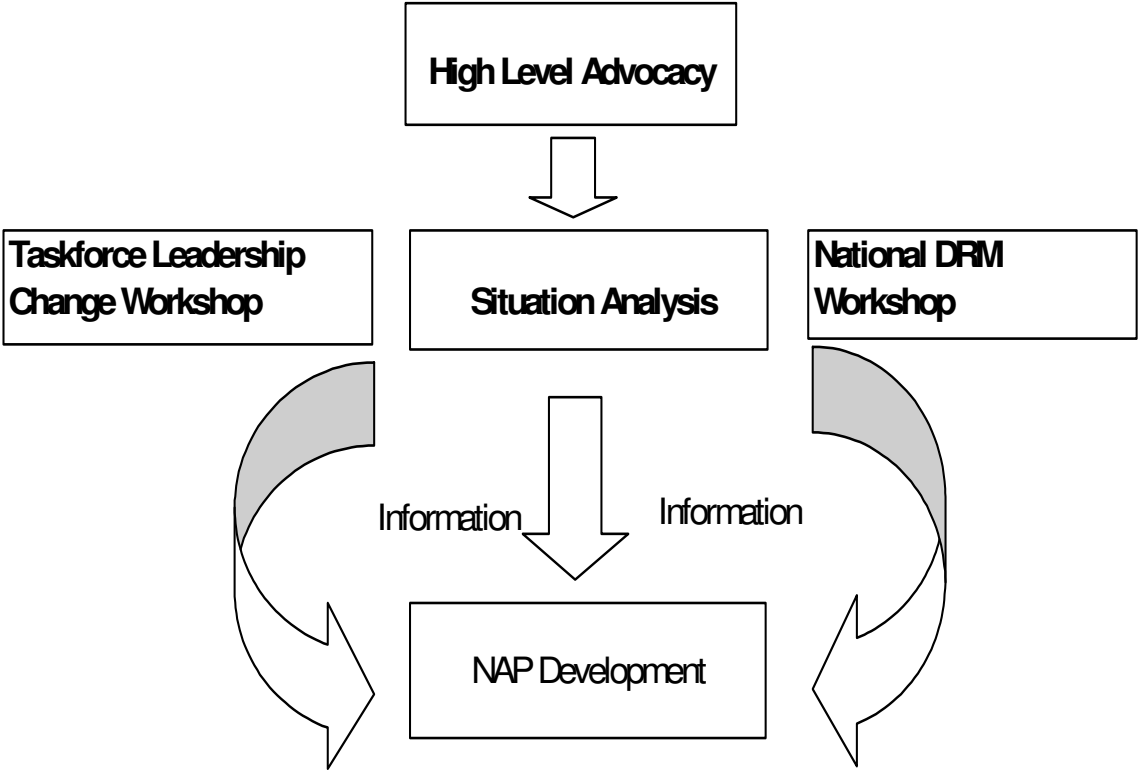


Alignment of RMI NAP with the Pacific Regional Framework for DRR & DRM



| Outcomes | Regional Framework for Action (Themes) | RMI Draft DRM NAP (Goals) |
|---|---|--|
| <p>DRR Focus (mitigation, prevention, adaptation or transfer of disaster risk) Early warning*</p> <p>Note: those marked with * have DM focus aspects as well</p> | <p>Theme 3: Analysis and Evaluation of Hazards, Vulnerabilities and Elements at Risks</p> <p>Theme 6: Reduction of Underlying Risk Factors</p> | <p>Goal 5: Access to safe and adequate water at all times*</p> <p>Goal 6: Sustainable development of coastal zone</p> <p>Goal 7: Reduce economic dependency of outer islands*</p> <p>Goal 8: Improve understanding of the linkages between zoning, building codes and vulnerability to disasters</p> |
| <p>DM Focus (preparedness, early warning, response and recovery)</p> | <p>Theme 4: Planning for effective Preparedness, Response and Recovery</p> <p>Theme 5: Effective, Integrated and People-Focused Early Warning Systems</p> | <p>Goal 3: Improve capacity for emergency preparedness and response at all levels</p> <p>Goal 4: Build a strong and resilient DM early warning and emergency communication systems</p> |
| <p>Cross Cutting (Governance, capacity building and awareness and education)</p> | <p>Theme 1: Governance – organizational, institutional, policy and decision-making framework</p> <p>Theme 2: Knowledge, Information, Public Awareness and Education</p> | <p>Goal 1: Established enabling environment for improved DRM in RMI</p> <p>Goal 2: Mainstream DRM in planning, decision making, budgetary processes at the national and local levels</p> <p>Goal 9: Raise awareness of DRM amongst the public</p> |

Structure of the NAP Matrix





Implementation Structure

- Development of the NAP Implementation Unit
 - Deputy Chief Secretary
 - Technical Expert
 - Awareness/Communications Expert
 - Administrative Assistant
- Unit phased out following review of disaster arrangements/legislation and strengthening of NEMCO
- Eventually a strengthened NEMCO to have responsibility to lead NAP Implementation and DRM mainstreaming

Key Roles



NAP Task Force

- NAP (or DRM) focal points within their respective agencies
- Provide advice/support to the NAPIU with regard to the implementation of Actions and Sub Actions in their respective agencies.
- Feature prominently in relation to the monitoring and evaluation of NAP implementation
- Assist with any awareness campaigns etc that may involve their respective agencies

Key Roles



Deputy Chief Secretary

- Provide overall leadership and guidance for the NAP Implementation Unit (NAPIU)
- Principal counterpart for the Technical Expert on all matters related to NAP implementation.
- Ensure the on-going support of the NAP Task Force
 - Convening regular meetings to help provide guidance for NAP implementation
 - Receive feedback on progress.
- Report on NAP progress to Chief Secretary/NDC
- Ensure that endorsed progress reports are channelled to donors and other partners

Financing Strategy

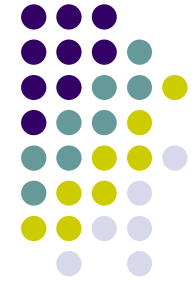


Sources of Funding

1. RMI Government Budget
2. Donors

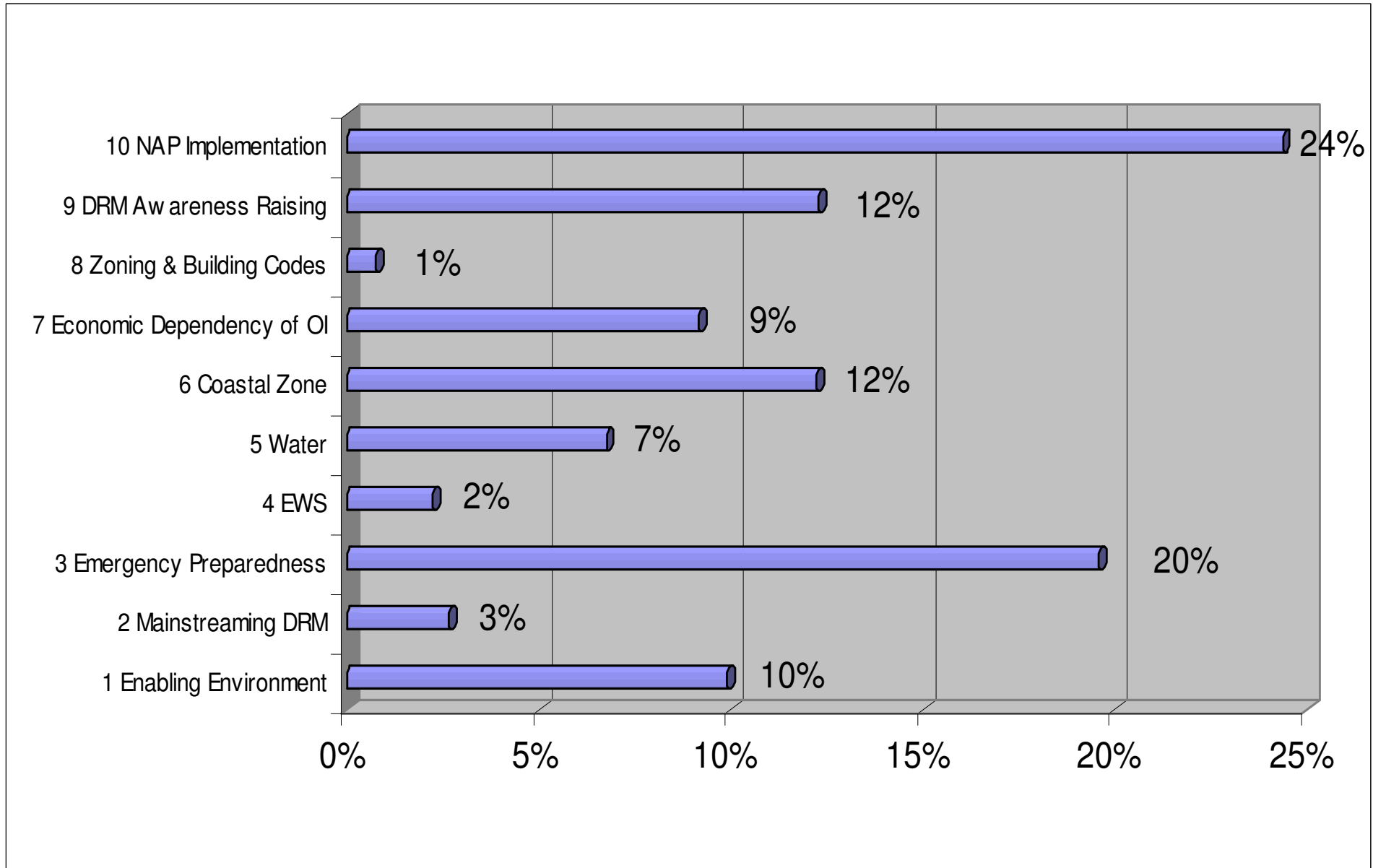
Note: Potential donors are members of the Pacific Disaster Risk Management Partnership Network for example the European Union, World Bank, AusAID, others

NAP Implementation Cost (by Goal)

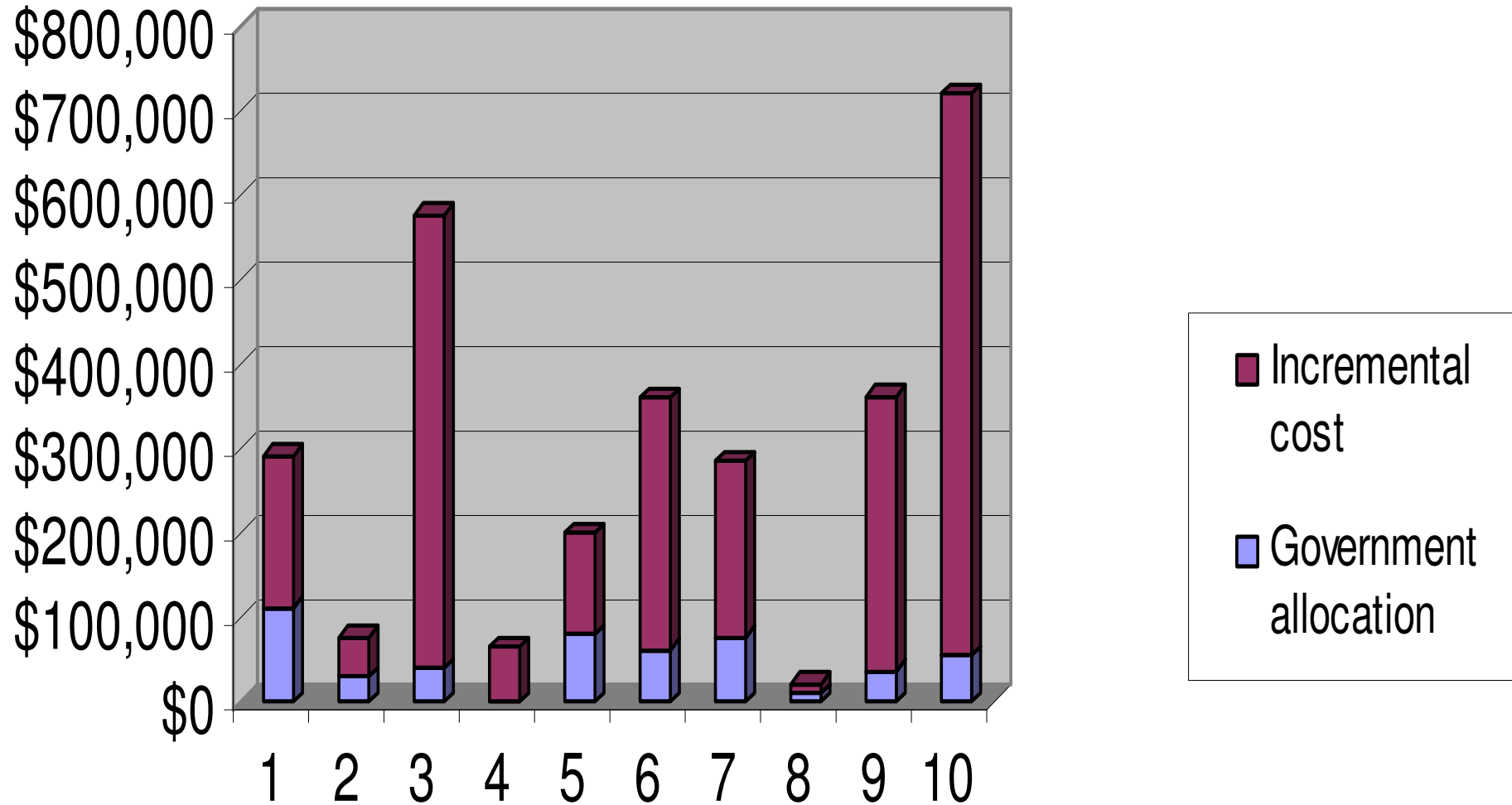


| Goal | Government | Incremental | TOTAL |
|-------------|-------------------|--------------------|------------------|
| 1 | \$112,613 | \$179,202 | \$291,814 |
| 2 | \$31,054 | \$47,600 | \$78,654 |
| 3 | \$39,858 | \$536,900 | \$576,758 |
| 4 | \$683 | \$65,665 | \$66,347 |
| 5 | \$79,989 | \$119,359 | \$199,348 |
| 6 | \$62,949 | \$297,540 | \$360,489 |
| 7 | \$78,400 | \$207,439 | \$270,502 |
| 8 | \$11,550 | \$11,280 | \$22,830 |
| 9 | \$37,992 | \$324,471 | \$362,463 |
| 10 | \$55,500 | \$662,980 | \$718,480 |

NAP Implementation Cost (by Goal)



NAP Implementation Cost (by Goal)



Way Ahead



- **Presentation to Reference Group (NDC) in February 2008**
- Presentation to Cabinet by April 2008
- **RMI/Donor Discussions**
- Implementation
- Monitoring, review & evaluation

**THANK YOU FOR YOUR
ATTENTION**

Kommol Tata

