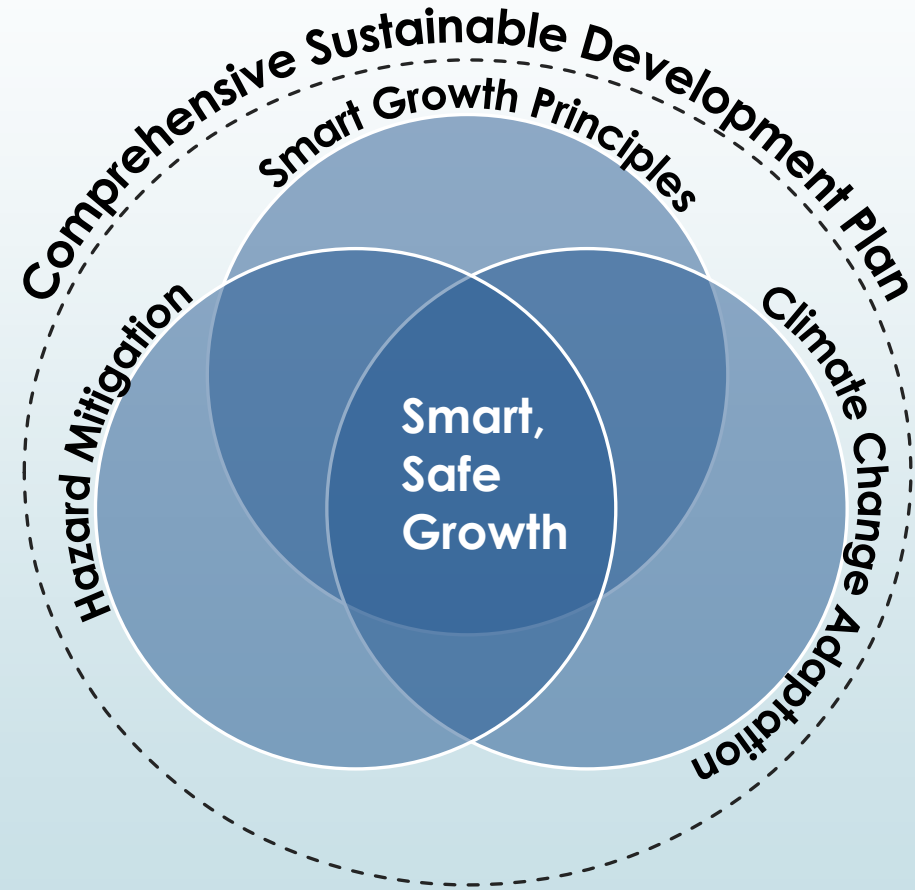


Smart, Safe Growth for the CNMI

Guidance for Practical Implementation





Smart, Safe Growth (SSG) Primer

- Overview of changing climate conditions
- Introduction to *Smart, Safe Growth (SSG)*
- SSG can help CNMI build back better

SSG Primer Learning Objectives

- Describe relationship between climate change and severe weather
- Recognize that today's choices affect tomorrow's communities
- Recall Smart, Safe Growth Principles
- Recognize that the Smart, Safe Growth framework can help work toward sustainable development goals and resilient communities

Smart, Safe Growth
Personal Learning Goals for Training Modules 1 to 4

Instructions: Write down two topics you want to learn more about during Training Modules 1 to 4.

Learning Goal for Topic 1:

Learning Goal for Topic 2:

SSG Training Modules 1 to 4
Personal Learning Goal Evaluation

Instructions: At the end of Training Module 4, write a few sentences to evaluate your progress toward your learning goals.

Evaluation for Learning Goal for Topic 1:

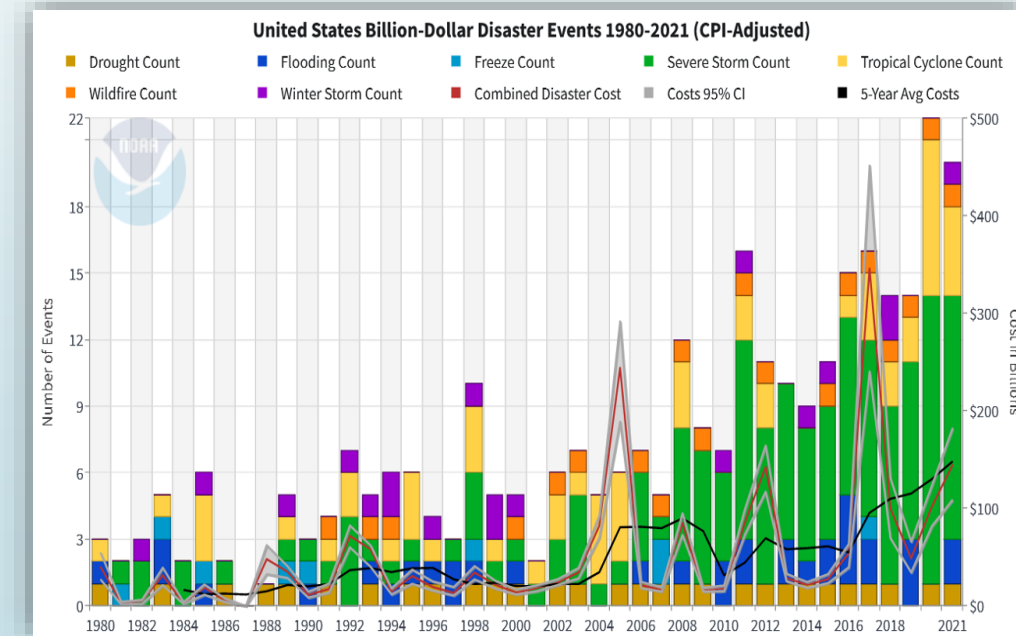
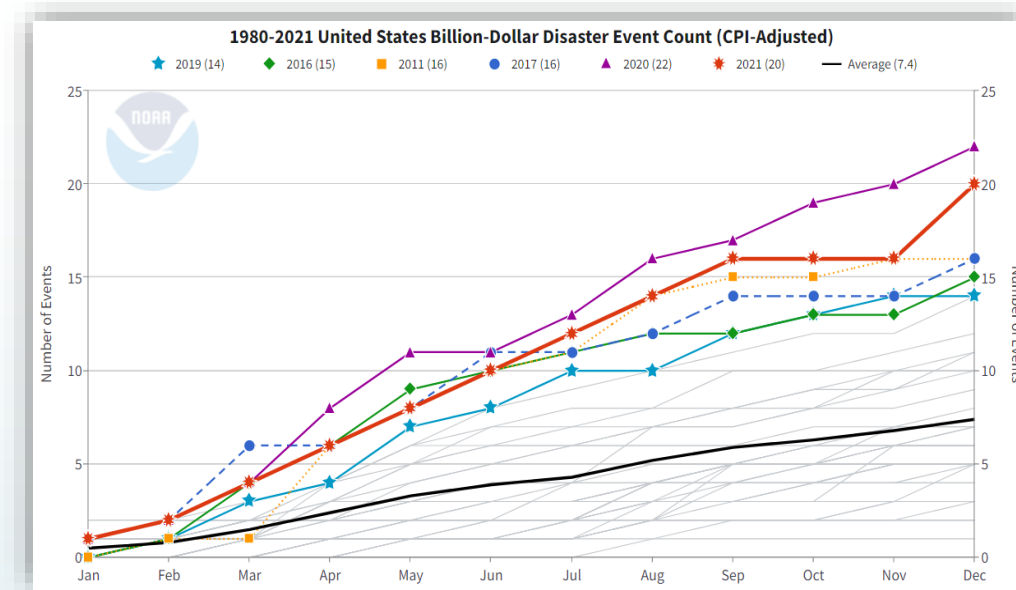
Evaluation for Learning Goal for Topic 2:

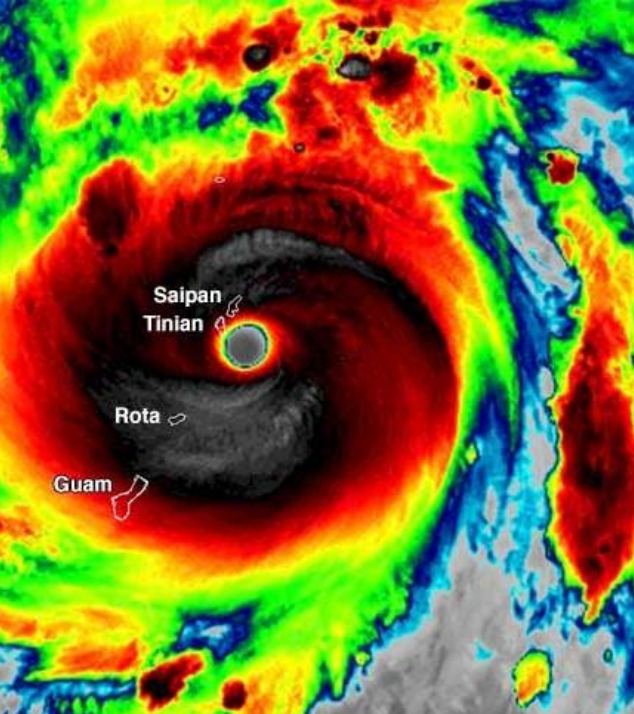
Smart, Safe Growth Principles

1. **Climate Change**
2. **Retreat**
3. **Retrofit**
4. **Critical Facilities Location**
5. **Development Incentives**
6. **Sustainable Development BMPs**
7. **Ecosystem Services**
8. **Green Infrastructure**
9. **Development Decision Processes**
10. **Early Collaboration**
11. **SSG Knowledgeable Communities**
12. **Adaptive Management**

Climate Change and Severe Weather

- The climate is changing
- Frequent severe weather events are expected
- Disaster recovery is costly
- Overlapping recovery efforts burden socio-economic wellbeing





How has
severe
weather
affected
your job?

Training Module 1 - SSG Primer
Handout 1
How has severe weather affected your job?
Activity Time: 5 Minutes

Instructions: Write down 2 aspects of your job that can be improved to withstand or recover better from severe weather events. Be prepared to share your answers.

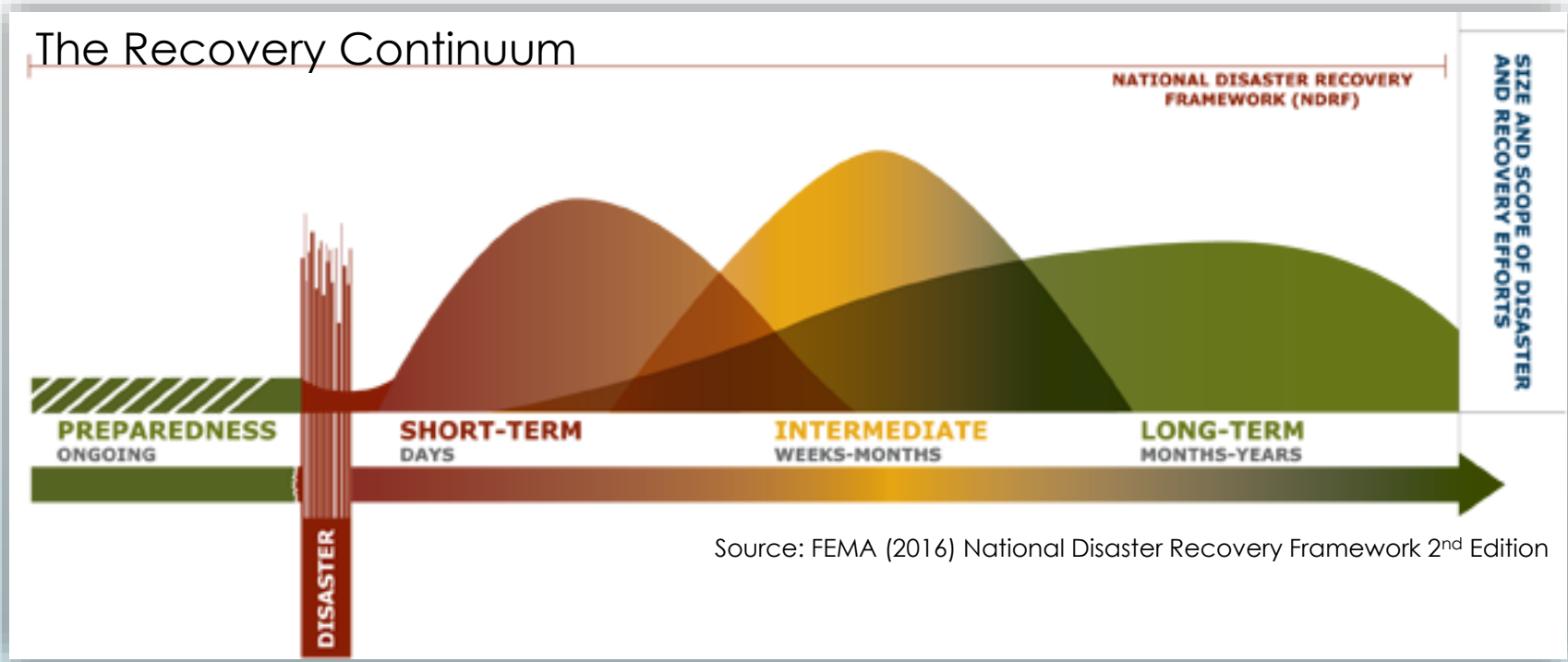
Answers:

1.

2.



Breaking the Disaster - Rebuild Cycle



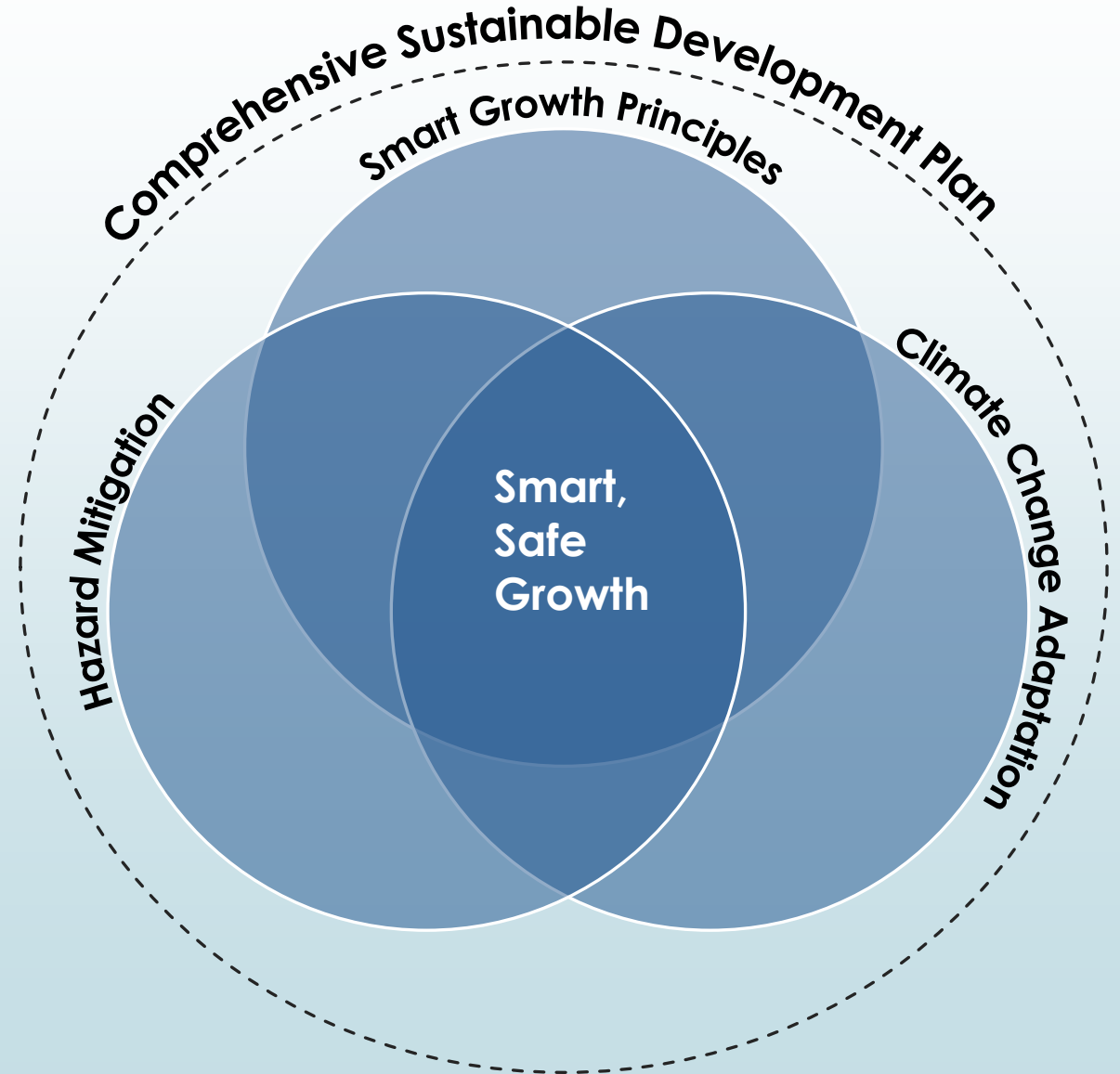
SSG Goals

- **Healthy people**
- **Healthy economies**
- **Resiliency**
 - How far it can bend before it breaks
- **Recoverability**
 - How long to recover after broken



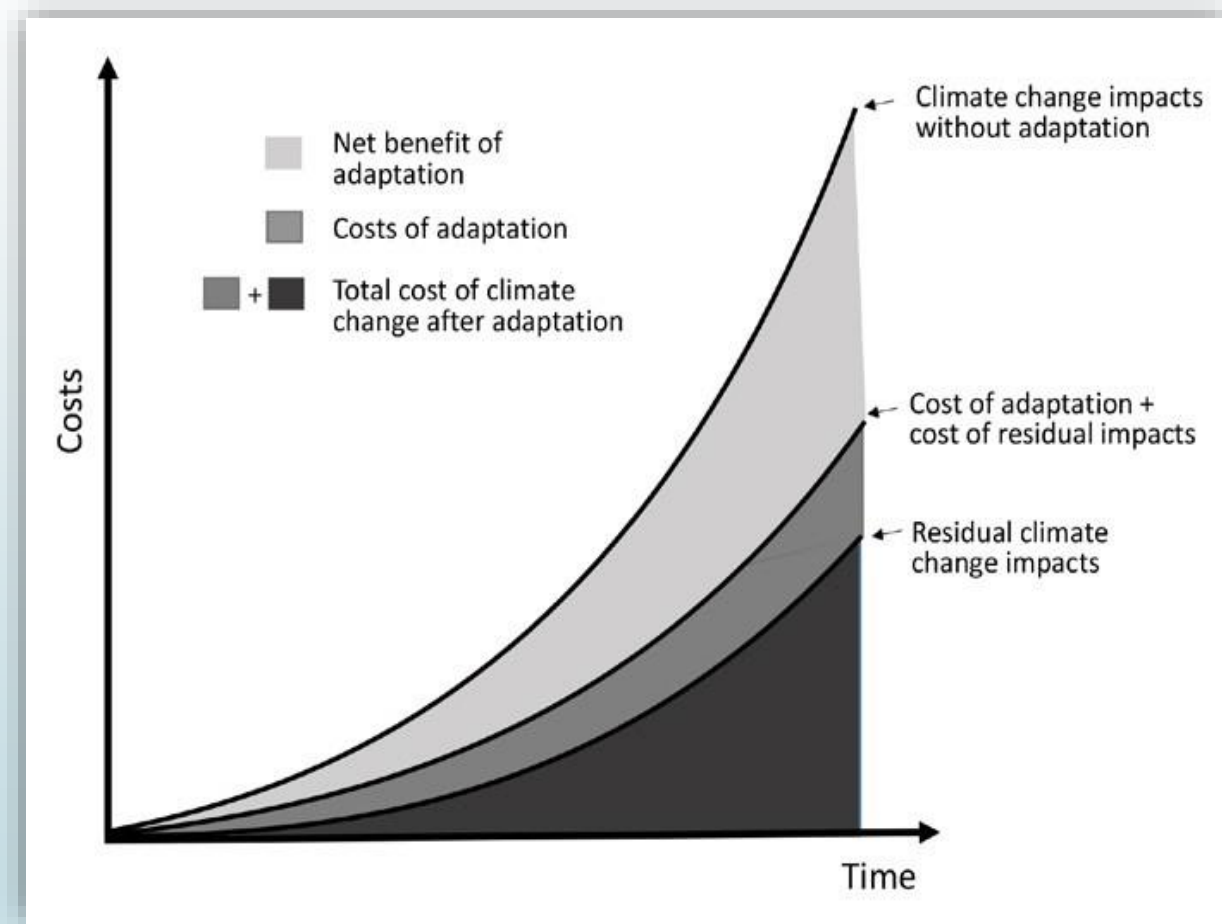
Community Resilience through *Smart, Safe Growth*

- Practices to reduce risk
- Regulations and economic incentives are the “builders”
- Planning establishes the “blueprint”
- CNMI CSDP



SSG – Economic Benefits

- Reduced costs
- Improved resiliency and recovery
- Wise adaptive planning and project management



Climate Change adaptation provides net cost benefit.

Source: National Climate change Research Facility (Australia)

SSG – Social Benefits

- Maximizes protection of public health, safety, and welfare
- Minimizes disruption of public services
- Minimizes social disruption
- Increases community cohesion



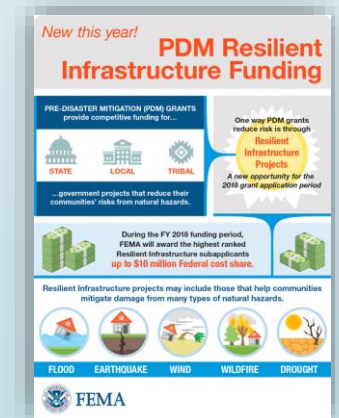


SSG – Environmental Benefits

- **Open space preservation**
- **Watershed function**
 - Maintain water
 - infiltration capacity
 - Reduce stormwater runoff
 - Maintain water quality
- **Reduce per capita energy consumption and pollution emissions**

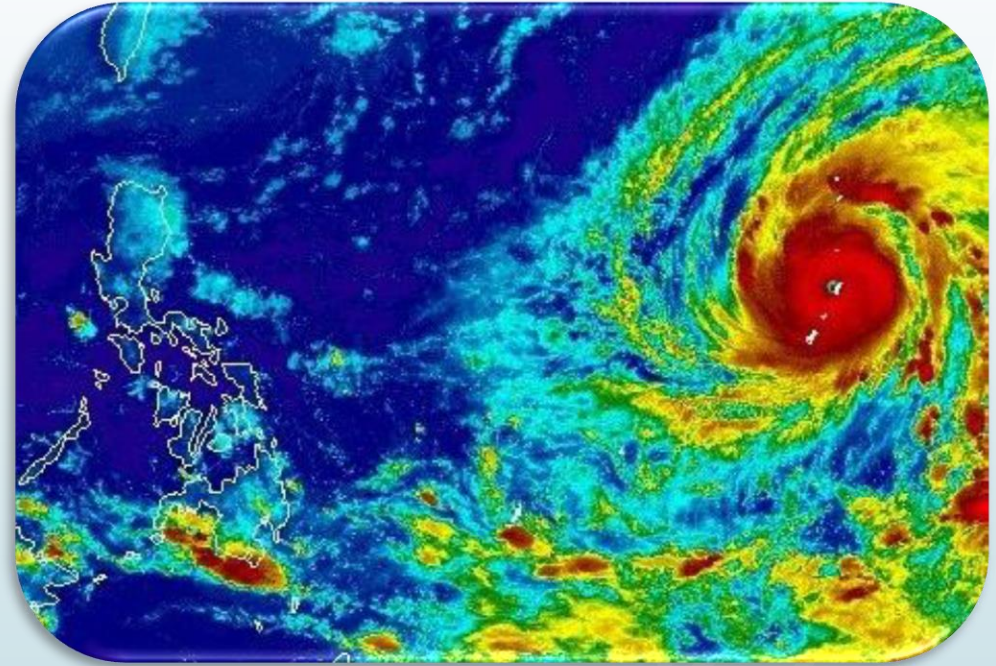
Smart, Safe Growth – Federal Support

- **Disaster Recovery Reform Act (2018) – PDM \$**
- **Federal agencies provide:**
 - Technical assistance
 - Guidance
 - Planning and development frameworks
 - Funding assistance
- **SSG principles enhance mitigation activities to promote resiliency**



Smart, Safe Growth for the CNMI

- **Disasters affect Pacific Islands**
- **Severe weather escalates recovery costs**
- **Overlapping recovery increases costs**
- **SSG builds stronger, more resilient communities**





Smart, Safe Growth principles incorporated into project planning and review can help to shift prevailing practices toward a more sustainable and resilient future

SSG Principles Scramble Activity

SMART, SAFE GROWTH
GUIDANCE AND RECOVERY AND HAZARD MITIGATION PLANNING
FOR THE
19 – 28 JULY 2022

Training Module 1 - SSG Primer

Handout 2

Principles Scramble

Activity Time: 5 Minutes

<u>Short Name</u>	<u>SSG Principle Definition</u>
1. Green Infrastructure	1. Proposed projects should consider climate change
2. Early Collaboration	2. Restrict development in high risk areas
3. Retreat	3. If development or infrastructure cannot be moved, consider how to harden or protect in place
4. Sustainable Development BMPs	4. Locate new critical facilities in less hazard prone areas (government)
5. Development Decision Processes	5. Direct development into less hazard prone areas (commercial)
6. Climate Change	6. Recommend new development use Sustainable Development BMPs
7. SSG Knowledgeable Communities	7. Maintain natural areas to sustain ecosystem services
8. Adaptive Management	8. Encourage green infrastructure where feasible
9. Retrofit	9. Make development decision process predictable, fair, and transparent
10. Ecosystems Service	10. Encourage early collaboration between government agencies, developers, and stakeholders
11. Development Incentives	11. Promote SSG knowledgeable communities to support actions
12. Critical Facilities Locations	12. Integrate adaptive management to incorporate lessons learned