

# Sea Level Rise & Coastal Impacts: Hazard Mitigation Planning & Climate Adaptation

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# Plan for today...

- Presentation from Dr. Patrick Barnard, USGS on CoSMoS 3.0
- Recap from previous workshop and results from breakout exercise
- Facilitated group discussion about priority mitigation/adaptation strategies – opportunities and impediments to implementation

# Coastal Storm Modeling System (CoSMoS): Initial Results for Coastal L.A. City

Dr. Patrick Barnard, USGS

# Recap from previous workshop

- Rising sea levels increase coastal flooding hazards
- No current mandate, but strong encouragement from FEMA and the state to incorporate climate change considerations into planning
- Opportunities to include climate in HMP process:
  - Ensuring we have the right stakeholders at the table
  - Including climate change considerations in risk assessment
  - Identifying mitigation strategies and priority activities

# Recap from breakout exercise

- You completed a strategies matrix where you determined the feasibility of various climate mitigation strategies
- We aggregated responses and identified:
  - Strategies currently being implemented by departments
  - Top 15 most frequently identified as feasible for implementation and not feasible/difficult

# Sea Level Rise & Coastal Flooding

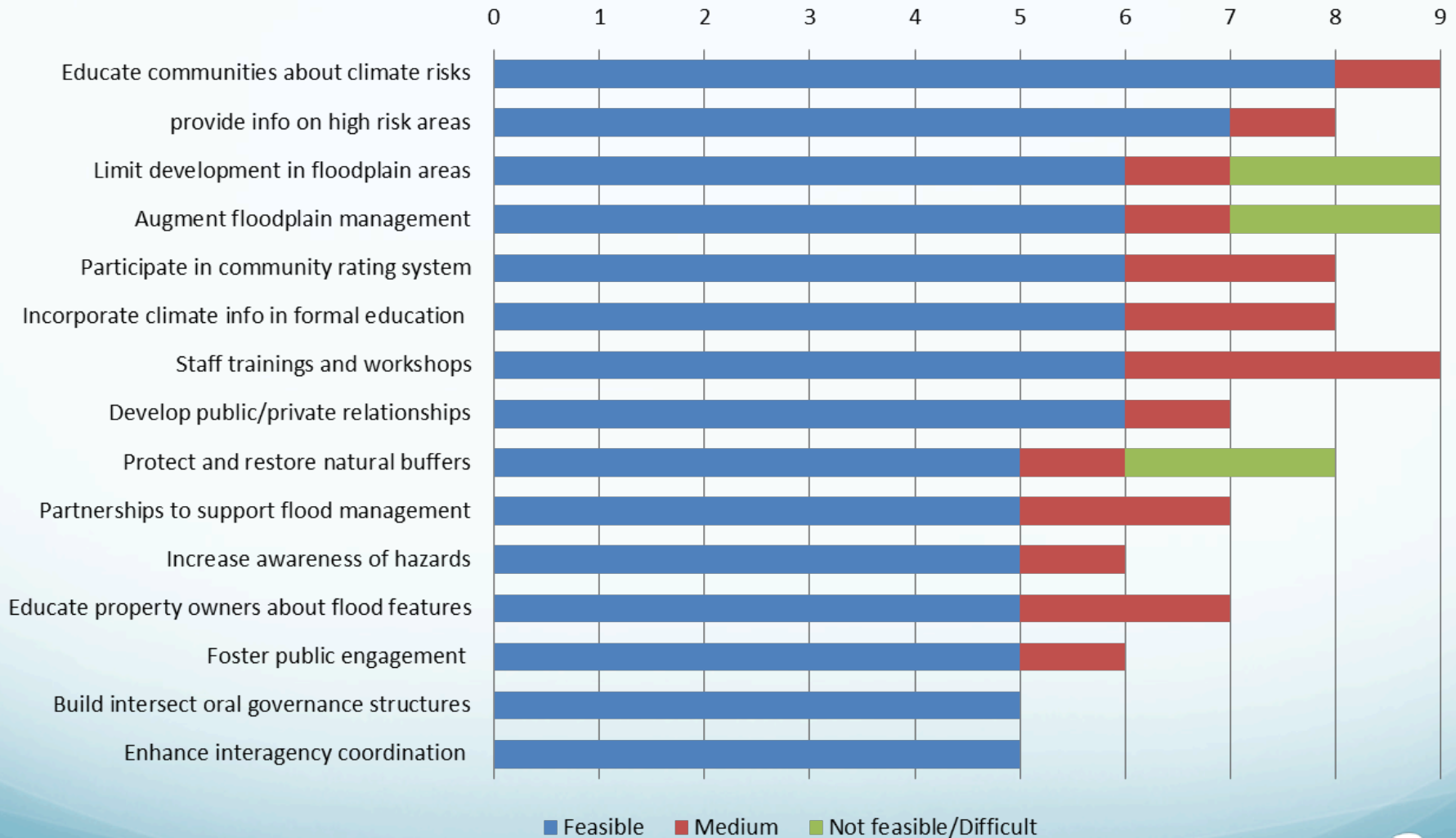
## Mitigation Categories Identified as “Currently Implementing”

Mitigation Categories	LAUSD	Cert	Mayors Office	LAFD	Building & Safety	Parks & Rec	Mayors office	City planning
Acquiring Scientific info	<b>x</b>	<b>x</b>			<b>x</b>		<b>x</b>	<b>x</b>
Local planning, policies and regulations	<b>x</b>		<b>x</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
Structure and infrastructure	<b>x</b>				<b>x</b>		<b>x</b>	
Natural systems protection	<b>x</b>				<b>x</b>	<b>x</b>	<b>x</b>	
Education & community engagement		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
Stakeholder engagement & capacity building		<b>x</b>	<b>x</b>			<b>x</b>	<b>x</b>	

A lot going on already! Let's add these to the database

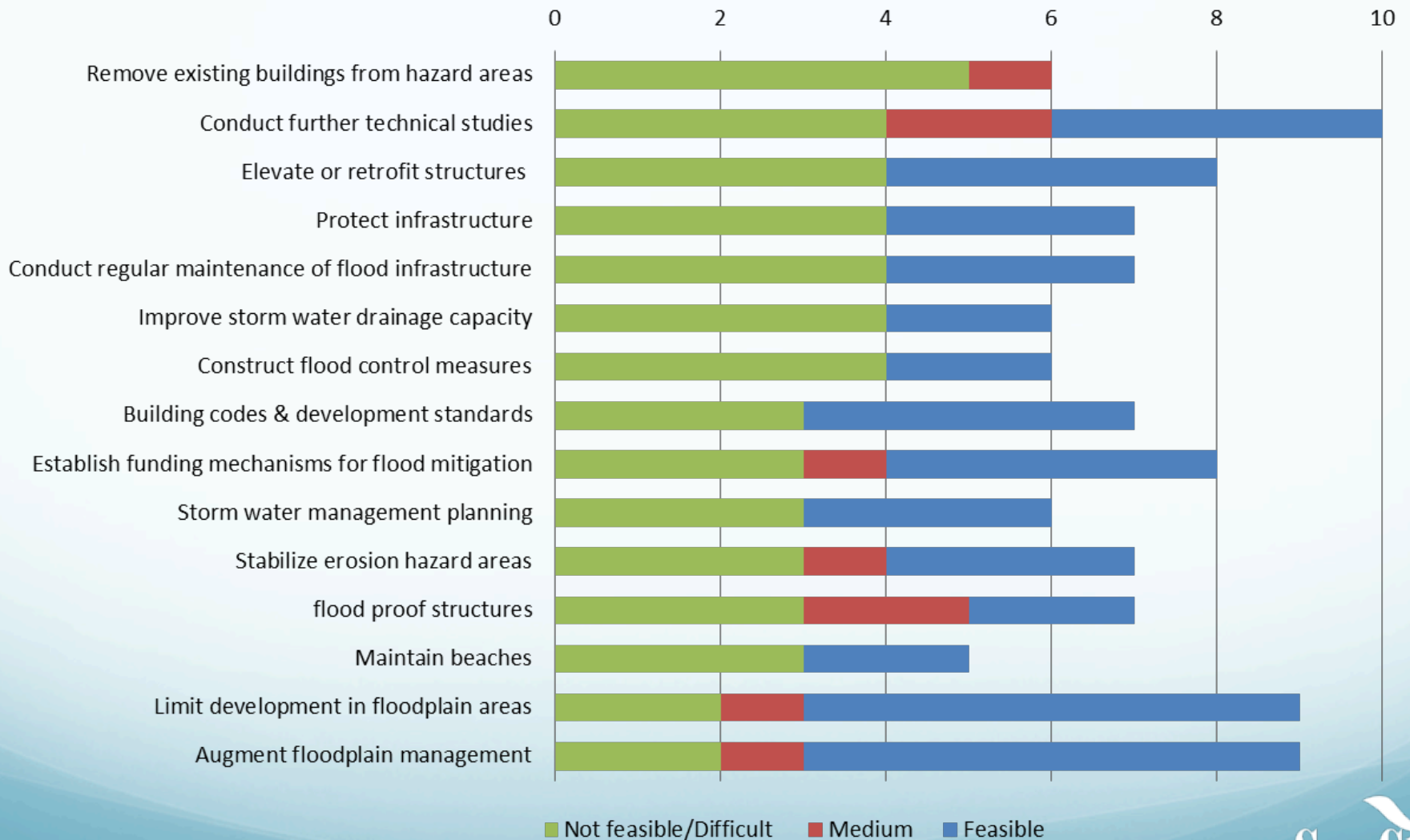
# Mitigation/Adaptation Strategies

(Strategies identified as most feasible for implementation)



# Mitigation/Adaptation Strategies

(Strategies identified as least feasible/most difficult)





# Discussion Questions

- For those marked as feasible, are these strategies priorities for L.A.?
- What barriers are likely to arise during design or implementation (e.g. organizational, fiscal, political)?
- Which department/agency assumes responsibility for implementation?
- How might we monitor and evaluate performance?
- For those marked as not feasible/difficult, why are these so difficult? What are the barriers?
- Are these strategies priorities for L.A.?