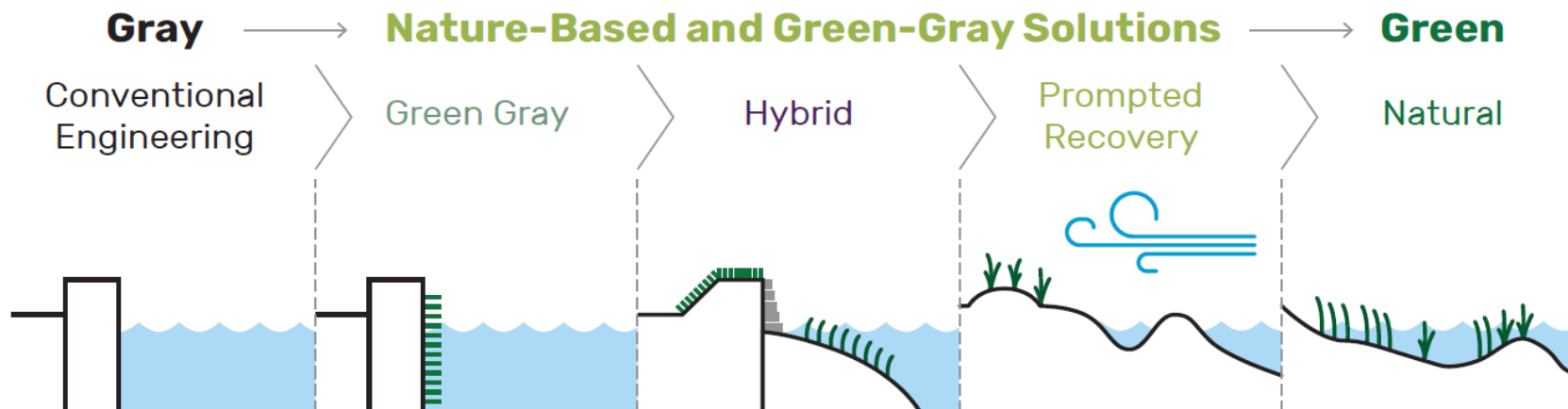


Not Your Grandpa's Army Corps

Evolving to Meet Regional Climate Adaptation Needs



Bay Planning Coalition 2023 Roundtable 1-26-2023

Lieutenant Colonel Kevin Arnett

San Francisco District

U.S. Army Corps of Engineers



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We **partner** with governments, community groups, Tribes and Tribal organizations to address their water resource needs.

We **plan, design, and construct** water resource projects

- Ecosystem Restoration
- Navigation
- Flood Risk Management

We **permit** construction along waterways and wetlands.

We **operate** and **maintain** water supply and recreational facilities.

We **support state** emergency management and response activities.

We **prioritize** nature-based solutions and environmental justice to support community resilience.



*San Francisco District
Regulatory boundary.*



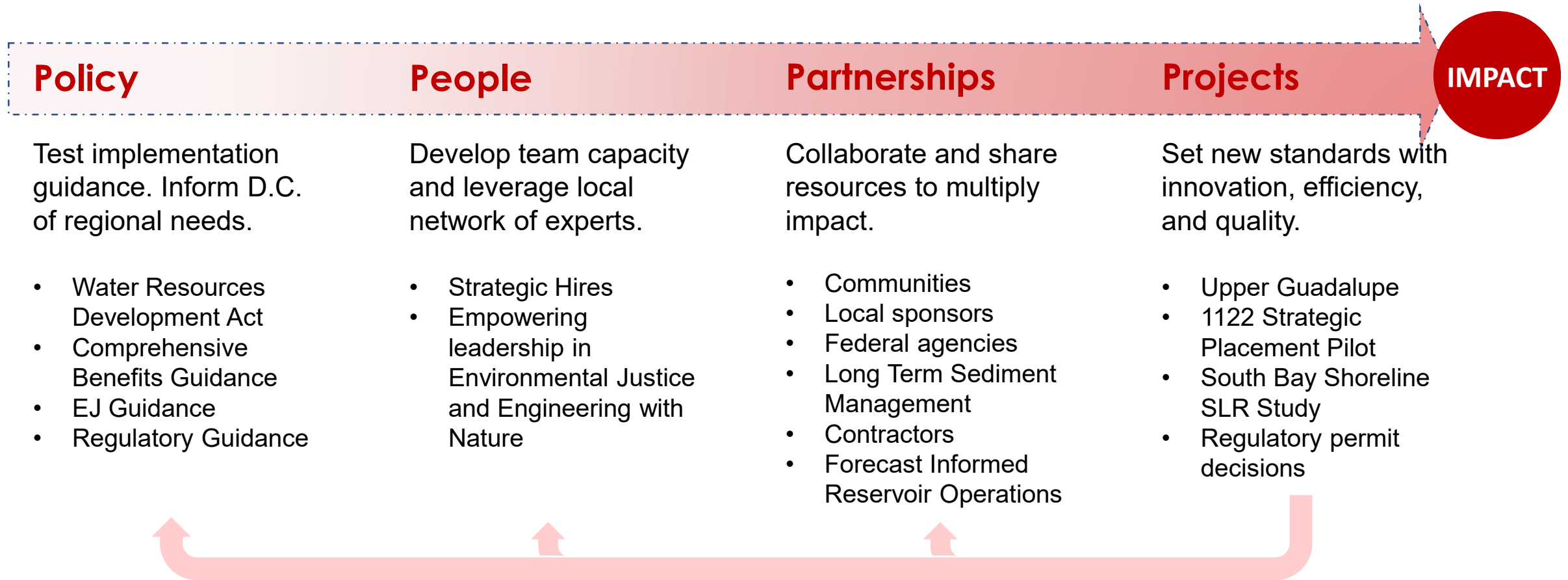
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San Francisco District 20-Year Strategic Goals



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How do we get there?



Process! Experiment, identify best practices, and build efficiencies along the way.

Goal #2: Multibenefit Navigation

Policy

- Federal Standard
- Water Resources Development Act 2020, Section 125

People

- Leadership in Regional Dredged Material Management Plan

Partnerships

- Coastal Conservancy
- Long Term Management Strategy Partners
- Dredging Community
- Regional science community (USGS, SFEI, and others)

Projects

- \$19 million for direct placement, 1122 Strategic Placement, Bel Marin Keys V

San Francisco District is poised to beneficially reuse 70% of dredge material in next decade.



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Goal #3: Regional SLR Projects

Policy

- Guidance Gap! Sea level rise curves
- Guidance Gap! Joint governance, planning, funding models

People

- Learn from early adopters and innovators

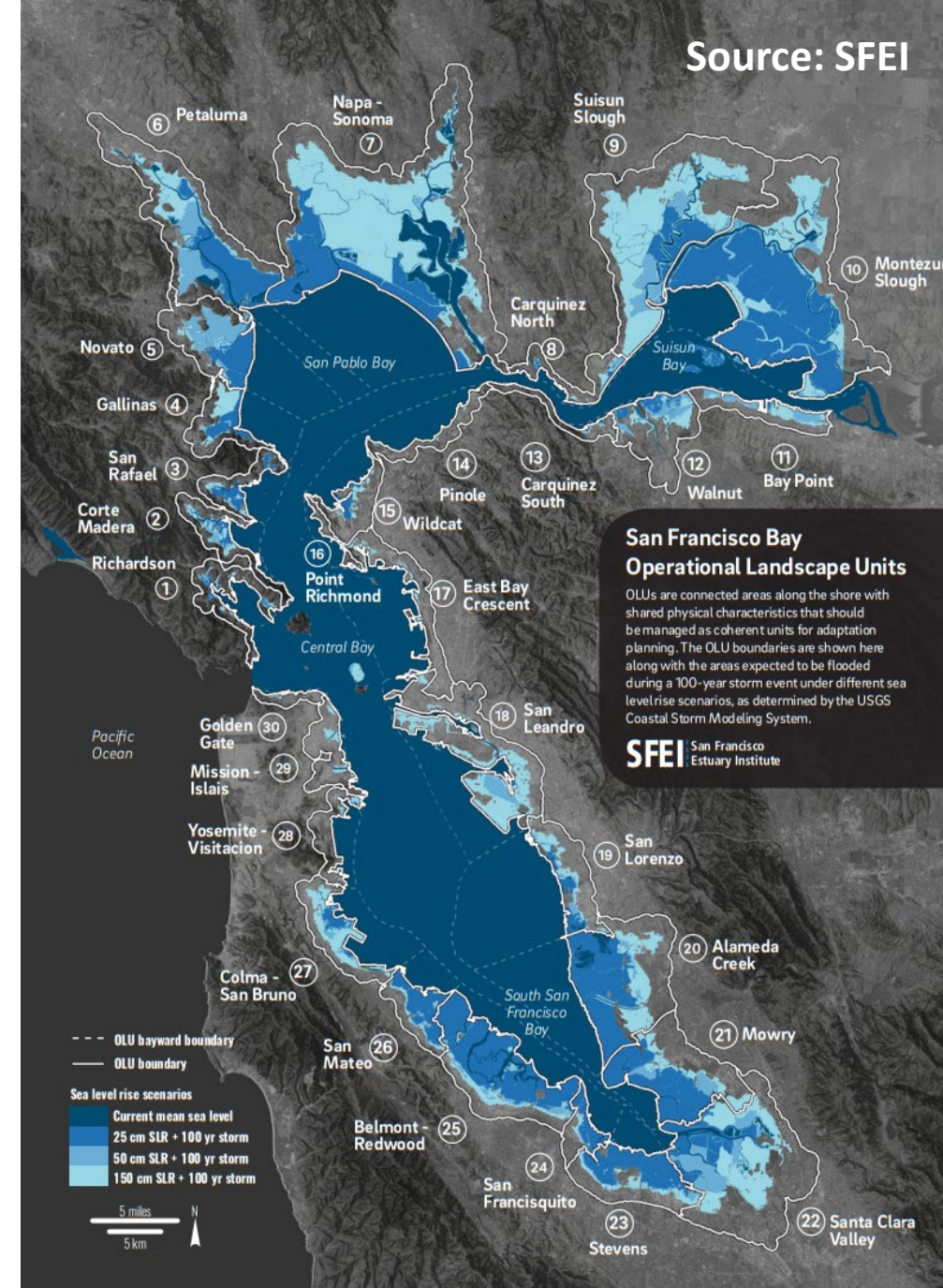
Partnerships

- Engage with regional planning collaborations
- Develop West Coast Coastal Hazards Systems with ERDC and federal partners
- Valley Water partnership on South Bay projects

Projects

- South Bay Shoreline Sea Level Rise Projects
- Marin County Eastern Shoreline Project

San Francisco District is seeking landscape-scale projects and partnerships.



Goal #4: Engineer with Nature

Policy

- 2021 Comprehensive Benefits Memo
- Guidance Gap! Implementation guidance for engineers and planners to use nature-based features.

People

- Engineering with Nature Proving Ground
- Building capacity in environmental modeling and benefit quantification

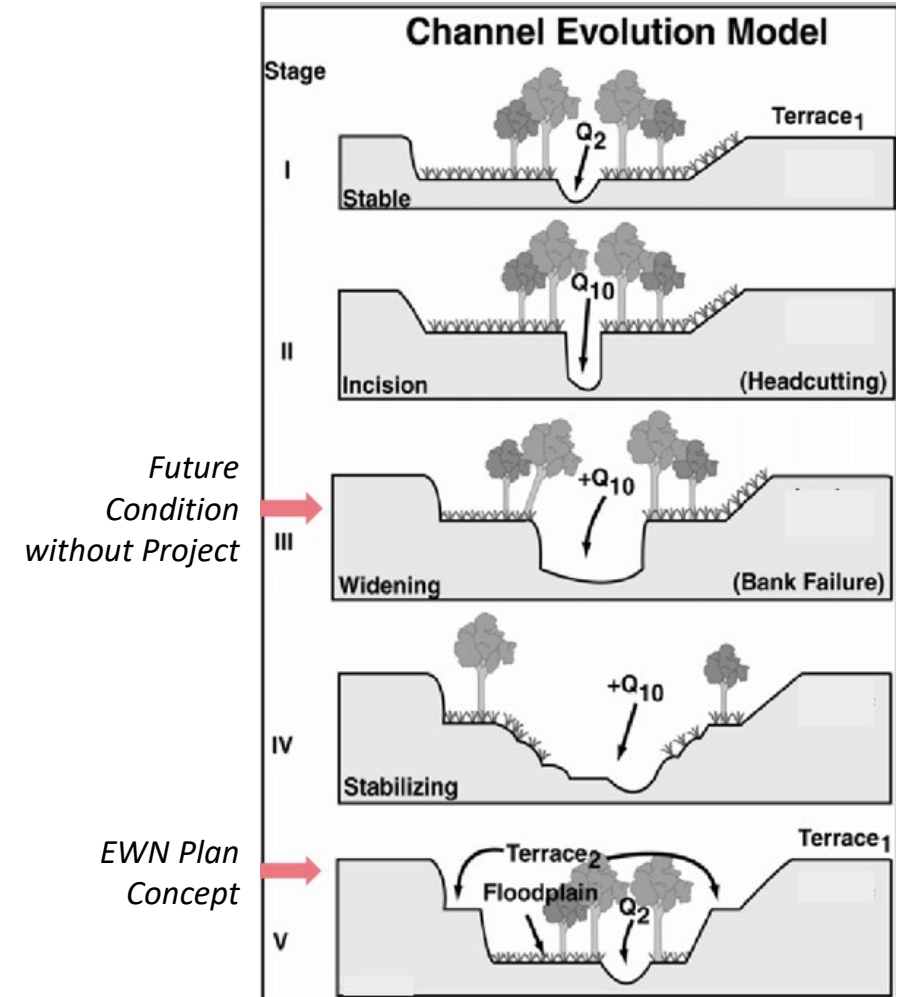
Partnerships

- Valley Water, USACE River Committee, CDFW, and many others!

Projects

- Upper Guadalupe Flood Risk Mgmt Project includes channel widening and floodplain benches with ecosystem benefits.

New Upper Guadalupe Project plan saves \$350 million through Engineering with Nature alternatives.



Source: Schumm 1980



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Thank you!

Do you have ideas for how the U.S. Army Corps of Engineers should develop **policy**, **people**, **partnerships** and **projects** to meet regional climate change needs?

Please reach out!

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