



Presentation from  
**2015 World Water  
Week in Stockholm**

[www.worldwaterweek.org](http://www.worldwaterweek.org)

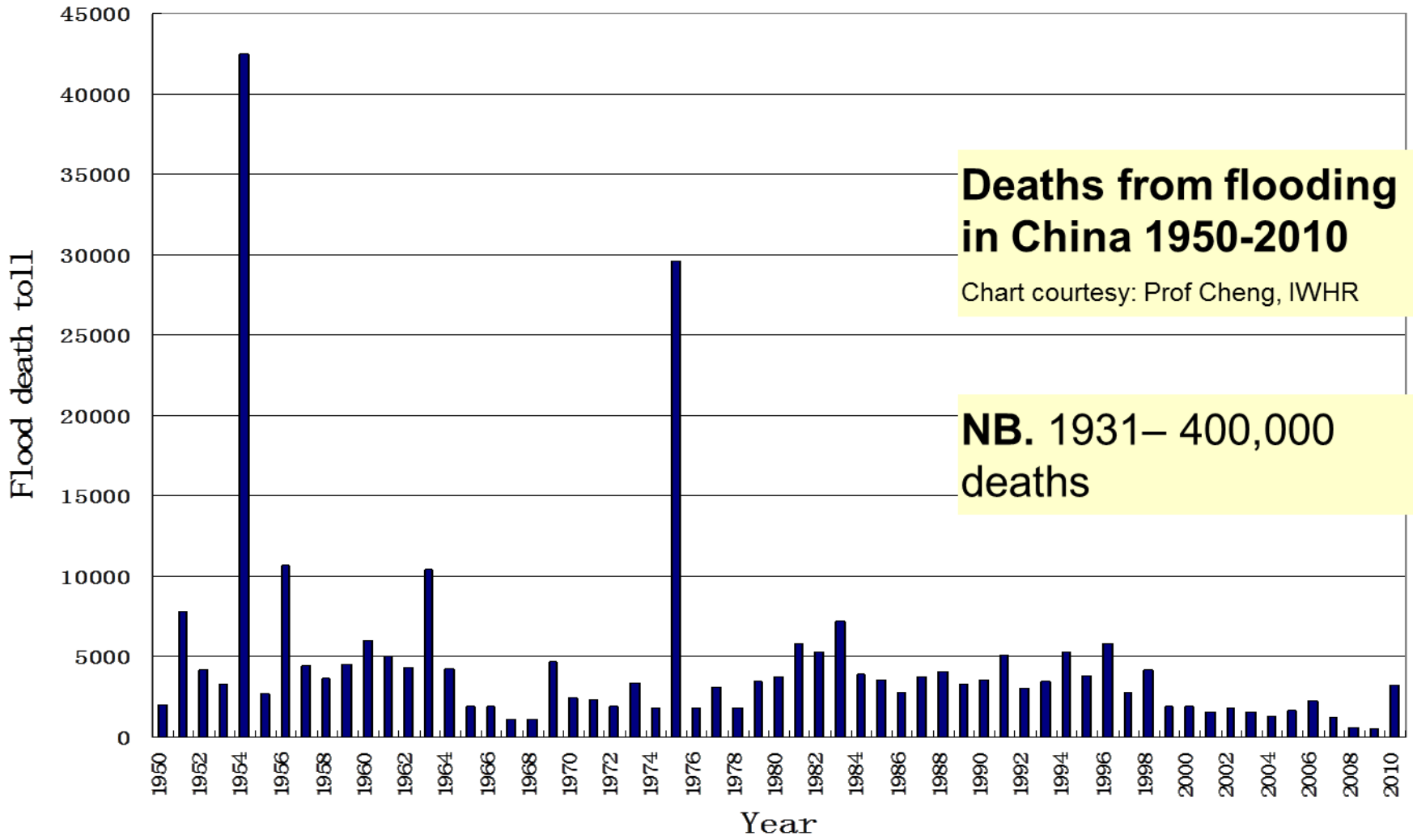
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# Strategic flood & drought risk management:

Are they so  
different?

David Tickner  
World Water Week,  
August 2015



 **Extreme** 国家气候中心





# Case studies

## CASE STUDY LOCATIONS





# Common management failures



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# Santa Cruz S

Tuesday, August 18, 2015 \$1.50 FACEBOOK.COM/SCSENTINEL TWITTER.COM/SCSENTINEL

## SAN LORENZO RIVER

# Lagoon breached, less than 100 homes flooding

Stopgap bulldozing part of Santa Cruz's three-year plan

By Jessica A. York  
jjork@santacruzsentinel.com  
@ReporterJess on Twitter

**SANTA CRUZ** » About a quarter of Main Beach was fenced off from sunbathers Monday as workers bulldozed a massive diagonal trench from the San Lorenzo River's mouth to the Monterey Bay.

To alleviate flooding in the area, the city of Santa Cruz is stepping in to help nature along, while remaining careful not to damage the local habitat, said Scott Collins, assistant to the city manager. The 7-foot-deep river has been seeping below the levees that are meant to contain a river up to 5 feet deep, sending water into low-lying properties

nearby, Collins said.

"It's been particularly bad because of the drought. You have low flows from the river, so the sandbar gets bigger, with more wave overtopping and filling the lagoon with salt water," Collins said. "It's counterintuitive that you have flooding in a drought year."

BREACH » PAGE 5



Spectators gather above the San Lorenzo River on Monday morning to watch as a crew breaches the lagoon created by the waterway on Main Beach.

SHMUEL THALER  
— SANTA CRUZ  
SENTINEL

"It's been particularly bad because of the drought..."



# Strategic risk management...

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# ... for a resilient society

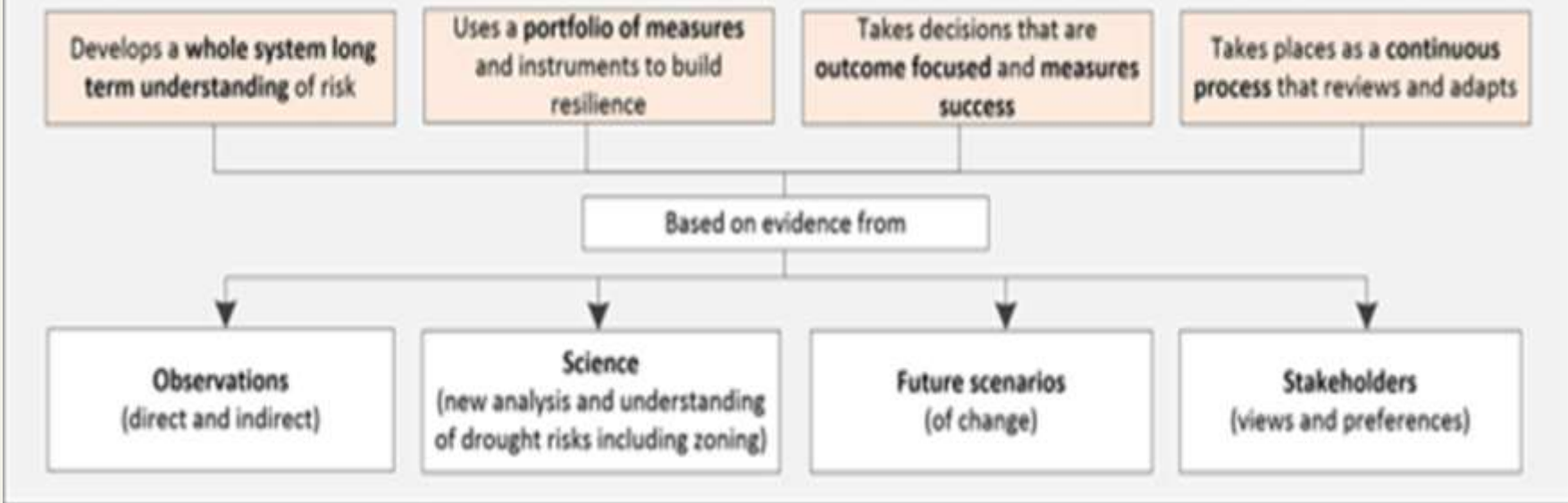






# “Golden rules”

## Characteristics of the planning process





# Thank you

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