Communicating Climate Information

Making Impacts Relevant

Sascha Petersen

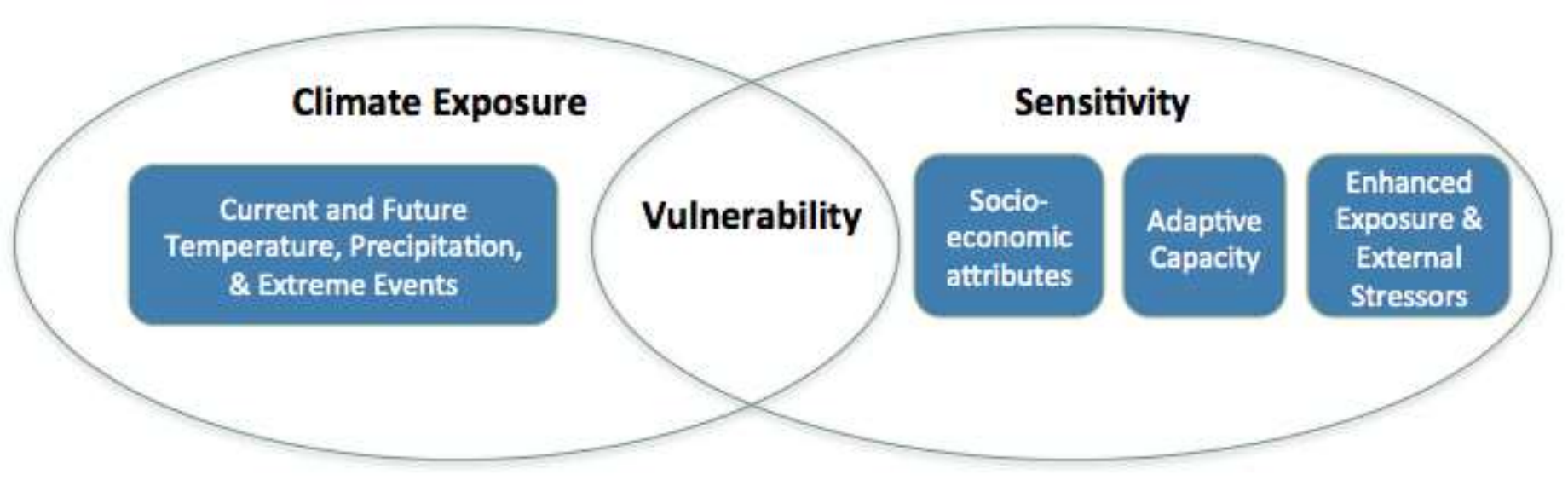
National Adaptation Forum April 2nd, 2013

adaptation international

What you care about depends on:

- Where you are…
- Who you are…

Climate Vulnerability



adaptation international

Climate Vulnerability

Climate Exposure

* Extent, magnitude and duration of weather event

Sensitivity

* Susceptibility to impact

Adapt Capacity

* Ability to respond or adjust to changing conditions

Where you are…

Climate Science Focused

Who you are…

Community Focused

adaptation international

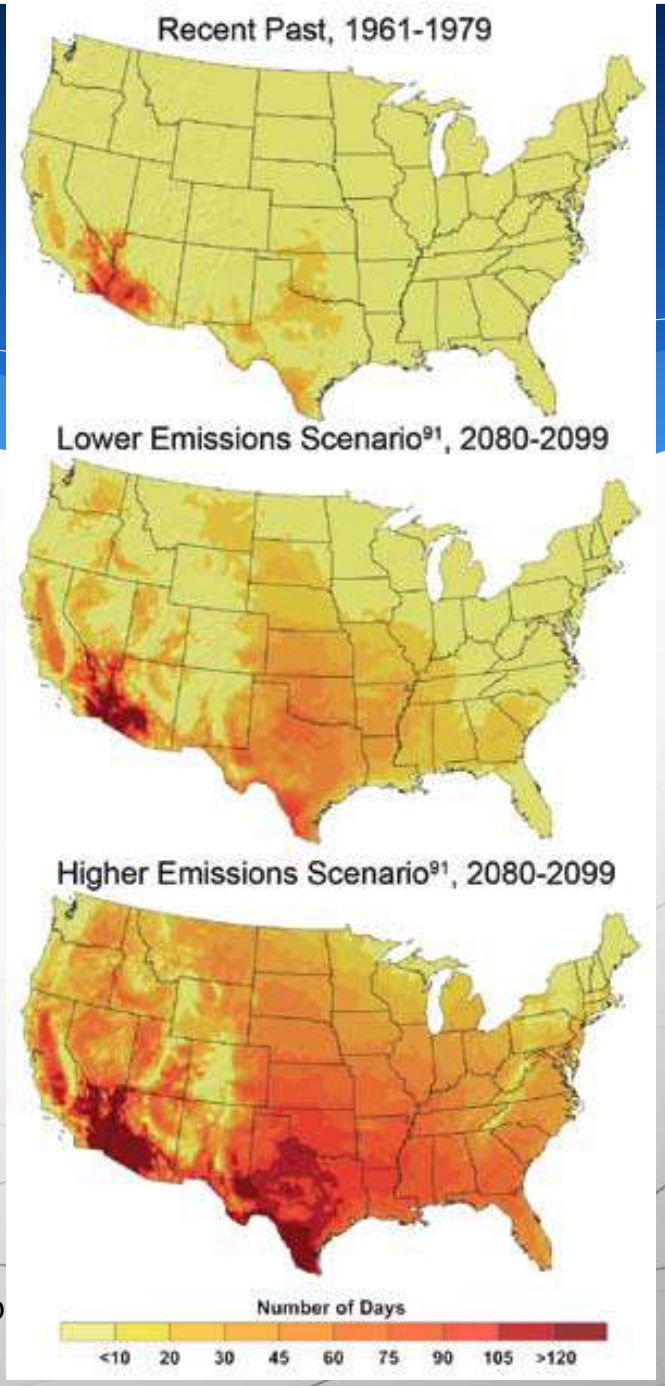
Outline

* **Two Science Focused Examples**
* One Community Focused Example
* Wrap-up

adaptation international

National Climate Assessment 2009

Extremes shown as days over 100°F



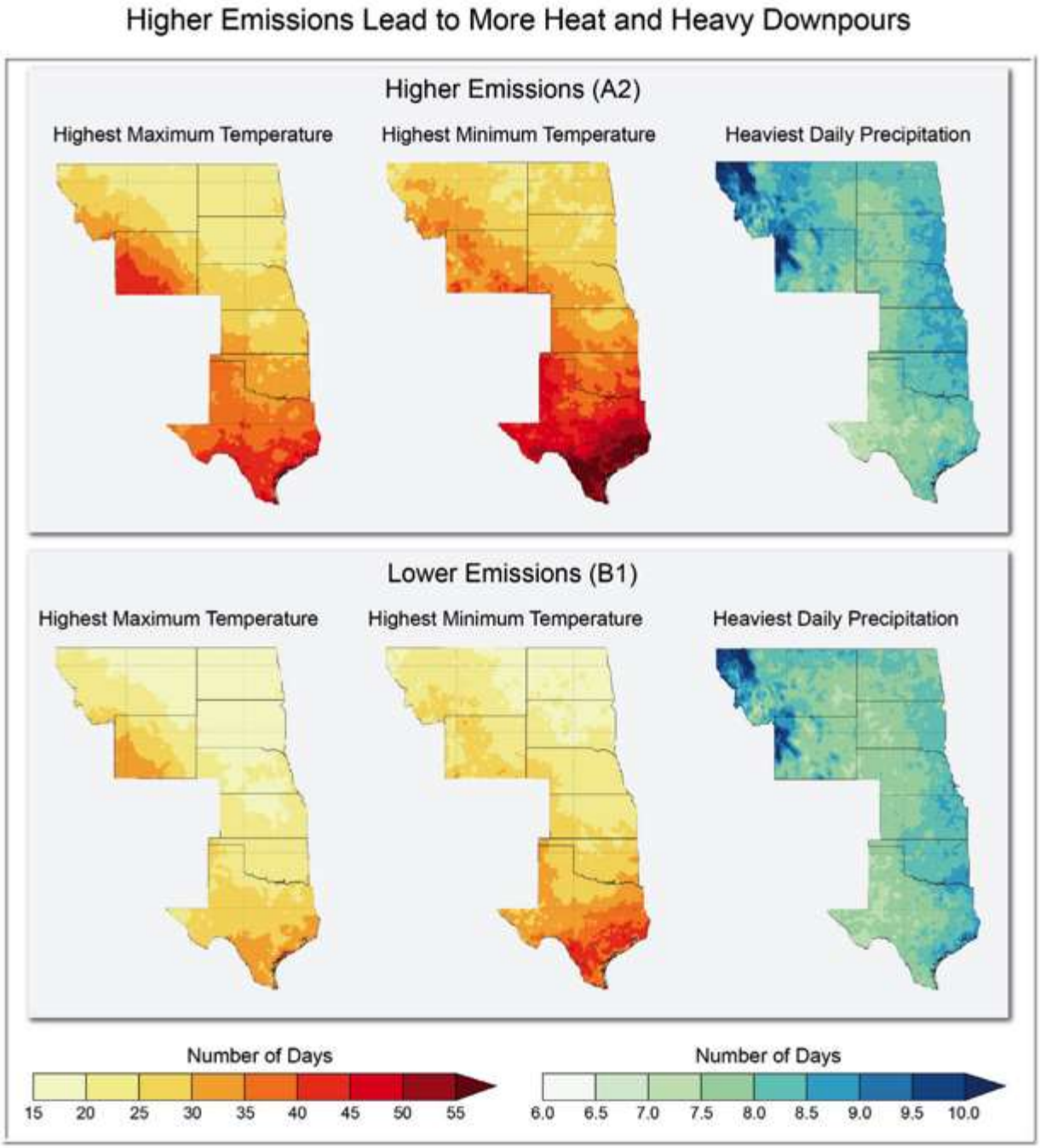
Global Climate Change impacts in the U.S. 2009, Human Health . pg 90

adaptation international

NCA 2013

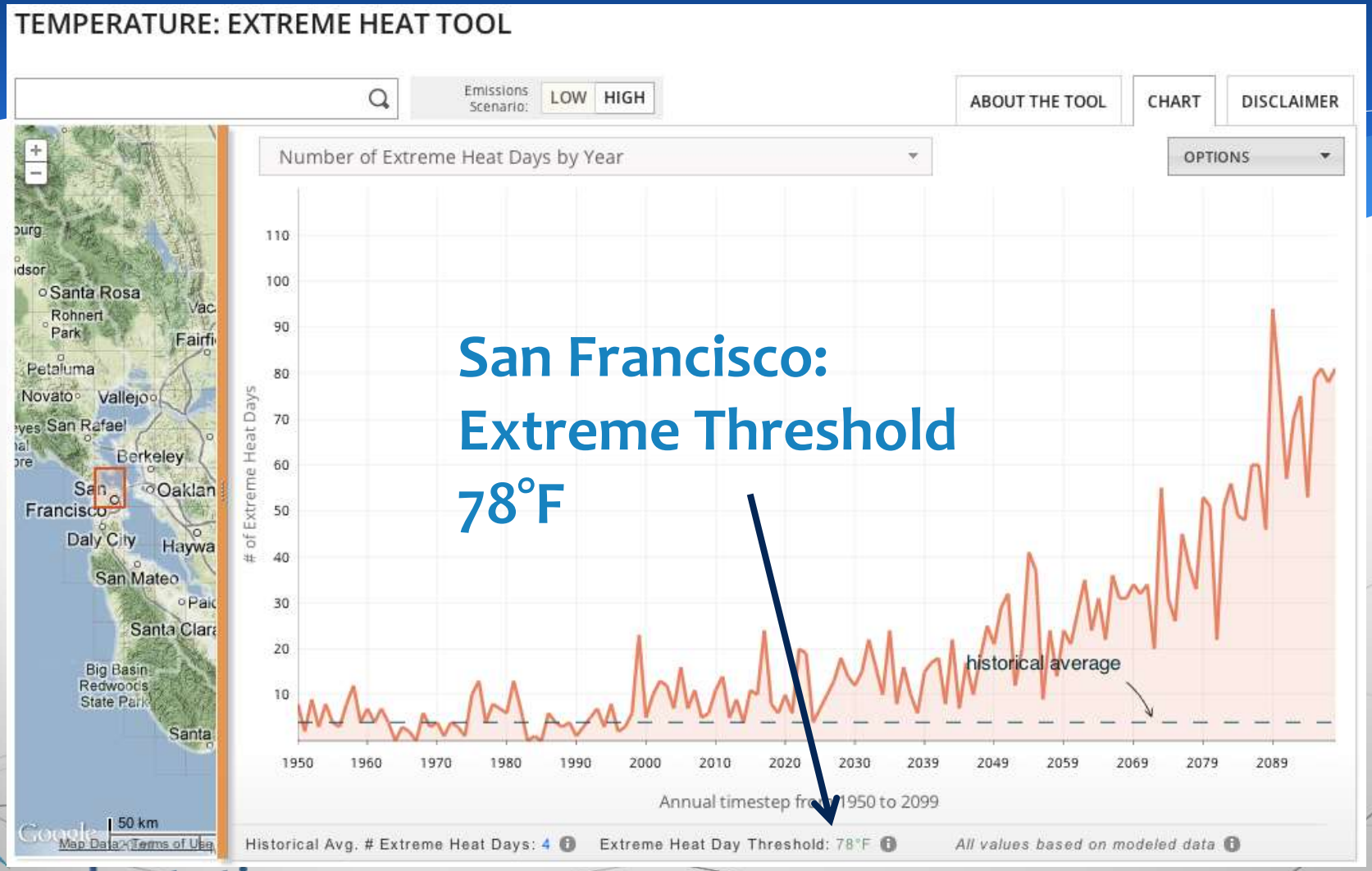
Extremes shown as days above the hottest 2% of days

National Climate Assessment, Draft Report, Great Plains Region, pg. 661



adaptation international

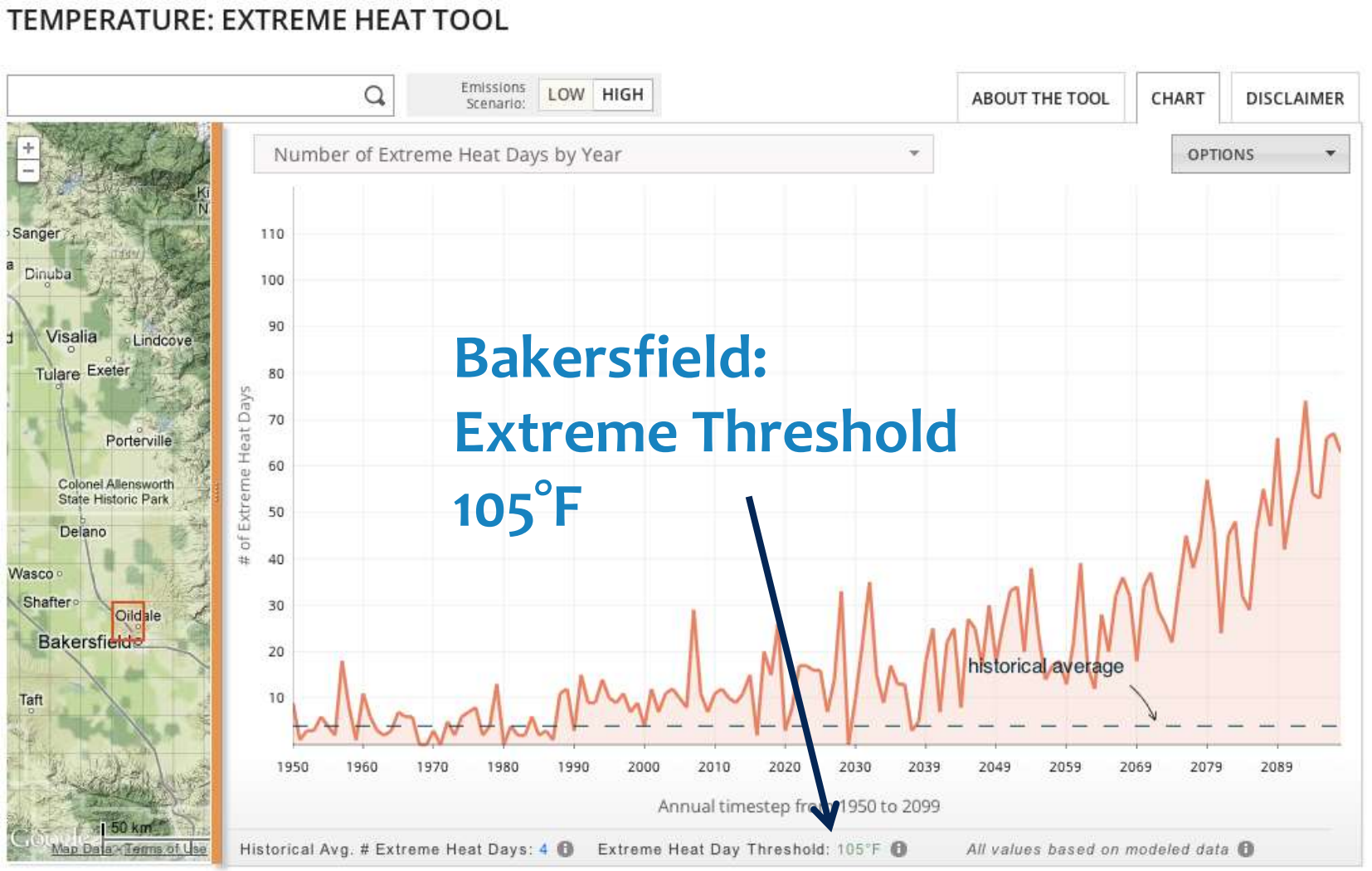
CalAdapt: San Francisco



adaptation international

www.cal-adapt.org

CalAdapt: Bakersfield



Bakersfield:
Extreme Threshold
105°F

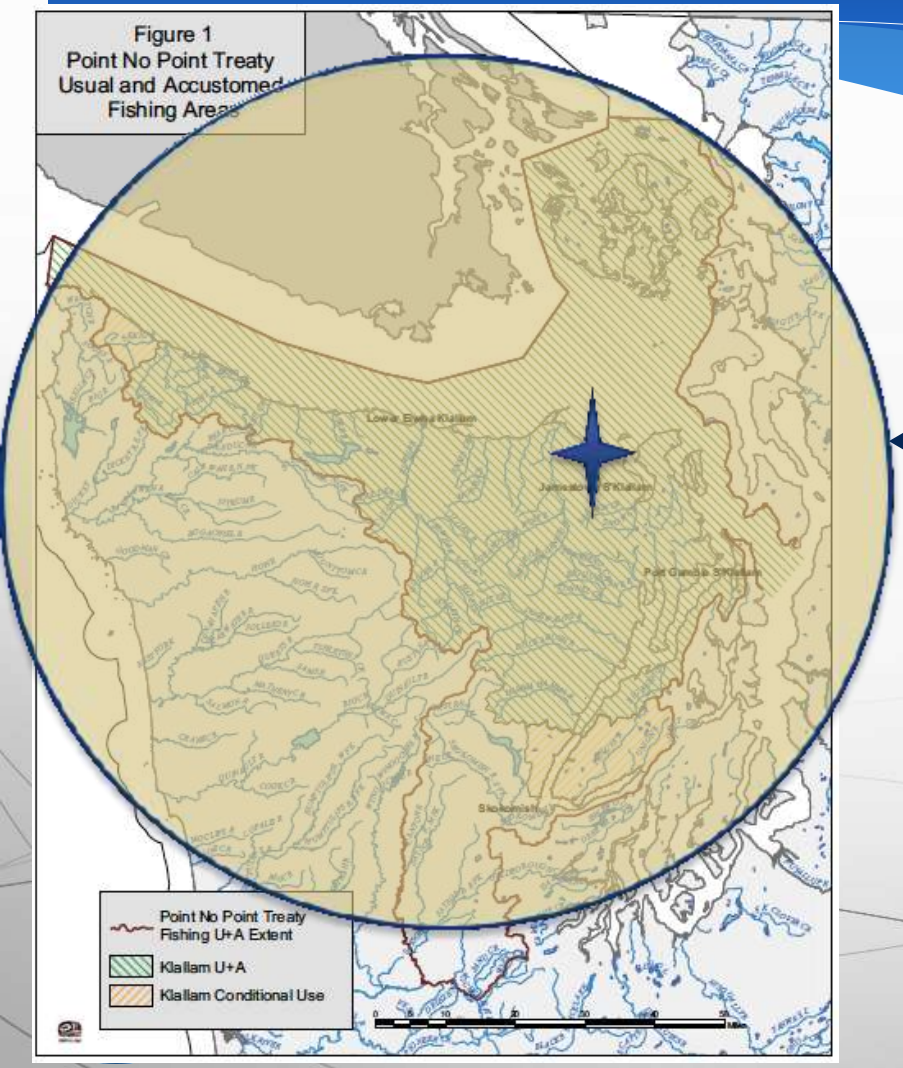
www.cal-adapt.org

Outline

* Two Science Focused Examples
* **One Community Focused Example**
* Wrap-up

adaptation international

Jamestown S'Klallam Tribe



Key Areas of Concern

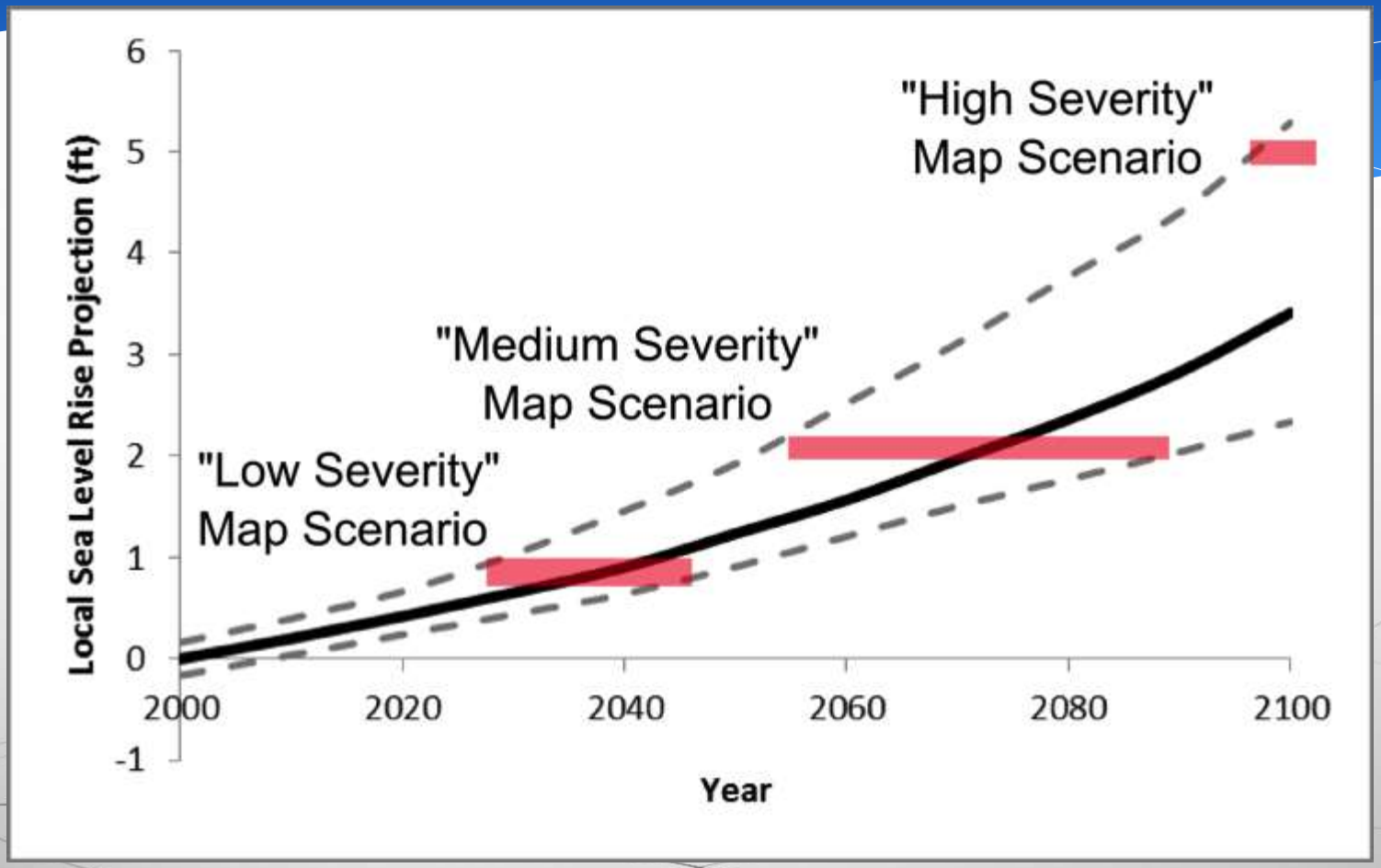
Vulnerability Ranking Table
Potential opportunity
Low Vulnerability
Medium—Low Vulnerability
Medium Vulnerability
Medium—High Vulnerability
High Vulnerability

Adaptive Capacity (Low ↓ High)	Sensitivity Low → High: S0	S1	S2	S3	S4
AC0					
AC1					
AC2					
AC3					
AC4					

Salmon (Long-term)
Clams & Oysters (Long-term)
Shellfish Biotoxins
Transportation Hwy 101
Tribal Campus Water Supply
Cedar Trees

Casino and Longhouse Market
Jamestown Beach Water Supply
Wildfire
NR Lab & Planning Dept. Buildings
Tribal Campus Wastewater Tank

Sea Level Rise and Storm Surge



adaptation international

Outline

* Two Science Focused Examples
* One Community Focused Examples
* **Wrap-up**

adaptation international

Moving to Action

Science of Exposures

Community Values and Vulnerabilities

adaptation international

Thank You !!!

Sascha Petersen
Sascha@adaptationinternational.com
(512) 585-8592

adaptation
international

www.adaptationinternational.com