

# DISASTER PREPAREDNESS:

## Protecting & Preserving Your Living Collections

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### ! KNOW YOUR RISK

#### Determine Major Threats at All Locations

- : Disease/Insects
- : Guests
- : Vandalism/Theft

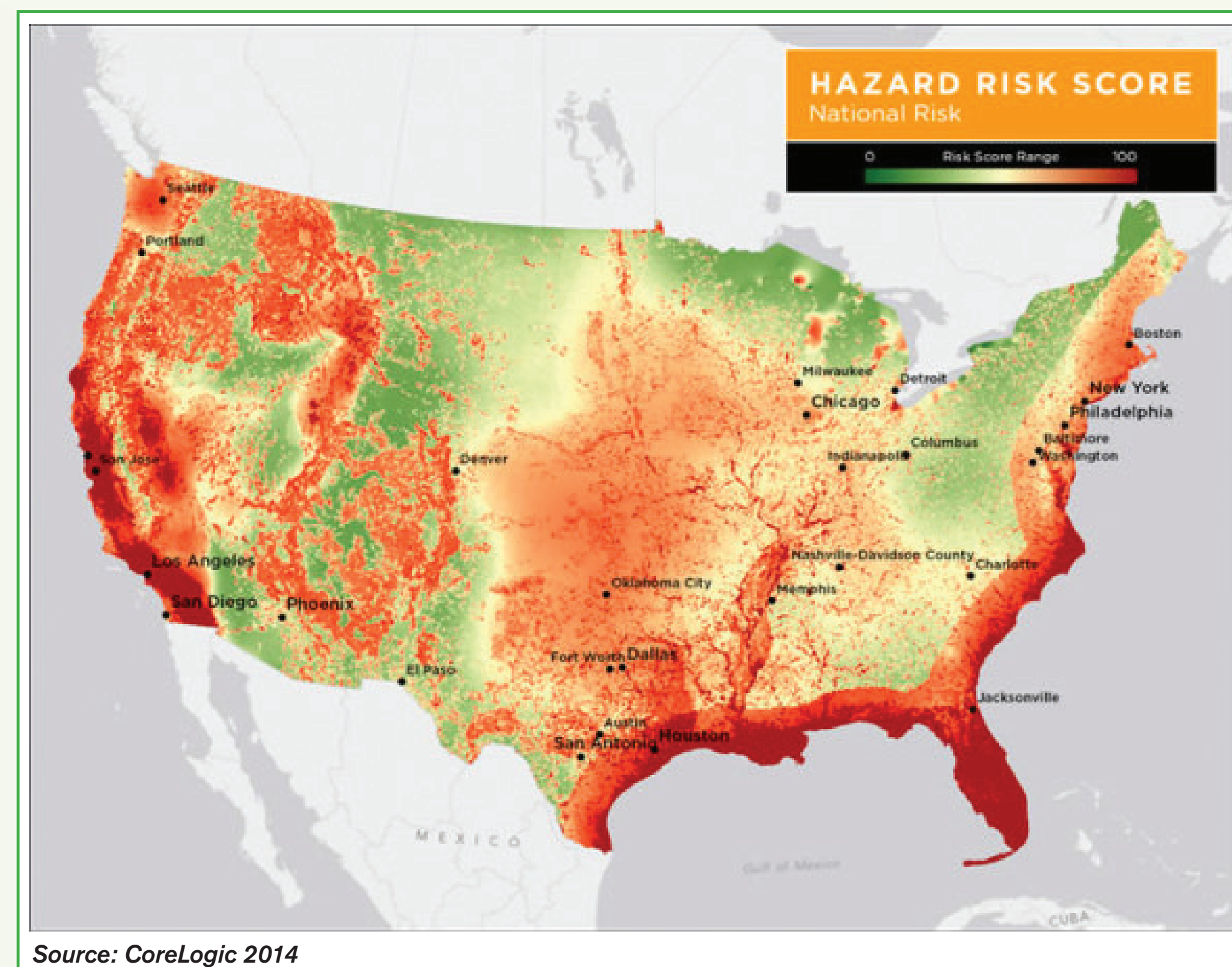
#### Key Risk Factors for Indoor Collections (Conservatories)

- : Failure of Temperature Control Systems/Spoilage
- : Building Collapse
- : Fire

#### Key Risk Factors for Outdoor Collections

- : Natural Disasters (What zone are you located in?)
- : Vehicles/Accidents

#### Risk of Damage from Natural Hazards



The Hazard Risk Score (100 being highest) is based on exposure to multiple natural hazards including: flood, wildfire, tornado, storm surge, earthquake, straight line winds, hurricane winds, hail and sinkhole. Both the probability and frequency of the event are included in the score.

The cost and availability of insurance protection are impacted by the risk score as well. Insurance for Indoor Collections is available on an "All Risk" basis including spoilage. Insurance for Outdoor Collections is on a limited basis to a dollar amount per Tree/Plant. The named perils typically offered include fire, lightning, explosion, aircraft or vehicles.

#### TOP 20

Number of Public Gardens per State

1.	CA	48
2.	NY	37
3.	FL	36
4.	PA	36
5.	OH	23
6.	VA	20
7.	TX	18
8.	IL	18
9.	NC	17
10.	GA	15
11.	WA	15
12.	WI	14
13.	NJ	13
14.	CO	13
15.	MI	12
16.	MA	11
17.	MD	10
18.	AZ	10
19.	IA	9
20.	DC	8

Source: APGA

### 🌿 KNOW YOUR COLLECTION

#### Define the Collection

- : Identify the plant categories and inventory the plants within each.
- : Include the name, category (eg: landscape, collection, exhibit), status (eg: endangered) and suggested protection methods.
- : Identify accredited collections and non-credited (NAPCC and/or AAM).
- : Identify what to propagate and establish importance of each.

#### Plant Valuation

- : The Guide for Plant Appraisal (9th edition) by the CTLA is the standard and is accepted by insurance companies.
- : Important to include the cleanup and installation costs along with the guarantee as part of the valuation.
- : Use the cost for the largest specimen available to replace the damaged tree as there is no way to possible to replace a large, accessioned tree.

### ✓ PREPARE & RESPOND

#### Prepare

- : Collaborate with sister institutions with similar climate zones
- : Share plants and propagules
- : Create reciprocity agreements
- : Relocate collections to lower risk within your space
- : Propagate replacements to increase landscape and collection populations
- : Utilize seed banks

#### Preparedness Cycle:

**Preparedness is how we change behavior to limit the impact of a disaster.**

**Plan:** Identify, understand, preserve plants critical to your collection.

**Organize:** The process of creating a plan is far more beneficial than the actual plan.

**Train:** Engage all team members in the process.

**Exercise:** Test the plan regularly.

**Evaluate:** Consistent improvement in the plan is required as collections change.

#### Resources:

- American Alliance of Museums document: "Developing a Disaster Preparedness/Emergency Response Plan". This document can be accessed at: [www.aam-us.org/docs/continuum/developing-a-disaster-plan-final.pdf](http://www.aam-us.org/docs/continuum/developing-a-disaster-plan-final.pdf)
- Heritage Preservation Connecting to Collections. This document can be accessed at: [www.connectingtocollections.org/all-topics/prepare-respond-emergencies/](http://www.connectingtocollections.org/all-topics/prepare-respond-emergencies/)

