CLIMATE CHANGE AWARENESS
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**Site Diagrams**

**Figure Ground**

Smithsonian Museums

100 Year Flood Plain

Taiga
Tundra
Arctic Ocean

**Site Section | Arctic Regions on the Site**

**Statistics**

- 70% believe global warming is happening
- 53% believe global warming is caused mostly by human activity
- 40% believe global warming will harm them personally
- 70% believe global warming will harm plants and animals
- 24% hear about global warming in the media at least once a week

**Zoo Typologies**

- Traditional
- Threshold
- 360° View
- Surround

**Polar Bear Needs**

Seals + Sea Ice + Water

**Statistics**

<table>
<thead>
<tr>
<th>Year</th>
<th>Projected Population (9,000)</th>
<th>Population (25,000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2050</td>
<td>9,000</td>
<td>25,000</td>
</tr>
<tr>
<td>2075</td>
<td></td>
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<tr>
<td>2100</td>
<td></td>
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</tbody>
</table>

**Carbon Dioxide vs Global Temperature Timeline**

- Source: NOAA / National Climate Data Center
- Source: NASA
- Source: Yale Program on Climate Change Communication

**Arctic Sea Ice Minimum**

- 1980:
  - 8 Million Square Km

- 2015:
  - 4.6 Million Square Km

**Site Section | Arctic Regions on the Site**

- Arctic Sea Ice Minimum

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SITE PLAN - Scale 1:10

APPROACH

South Elevation | from WWII Memorial

East Elevation | from Washington Monument

Aerial
2017 25,000 Polar Bears

2050 9,000 Polar Bears

2075 0 Polar Bears
SUBTERRANEAN PLAN - Scale 1/8" = 1'

3 EDUCATE | Museum

Museum
The Gem

Ceramic Frit Patterns

Wall Section - Scale 3/8" = 1'

View from Signer's Island

FORM

West Elevation (above)  North Elevation (below)