

ET

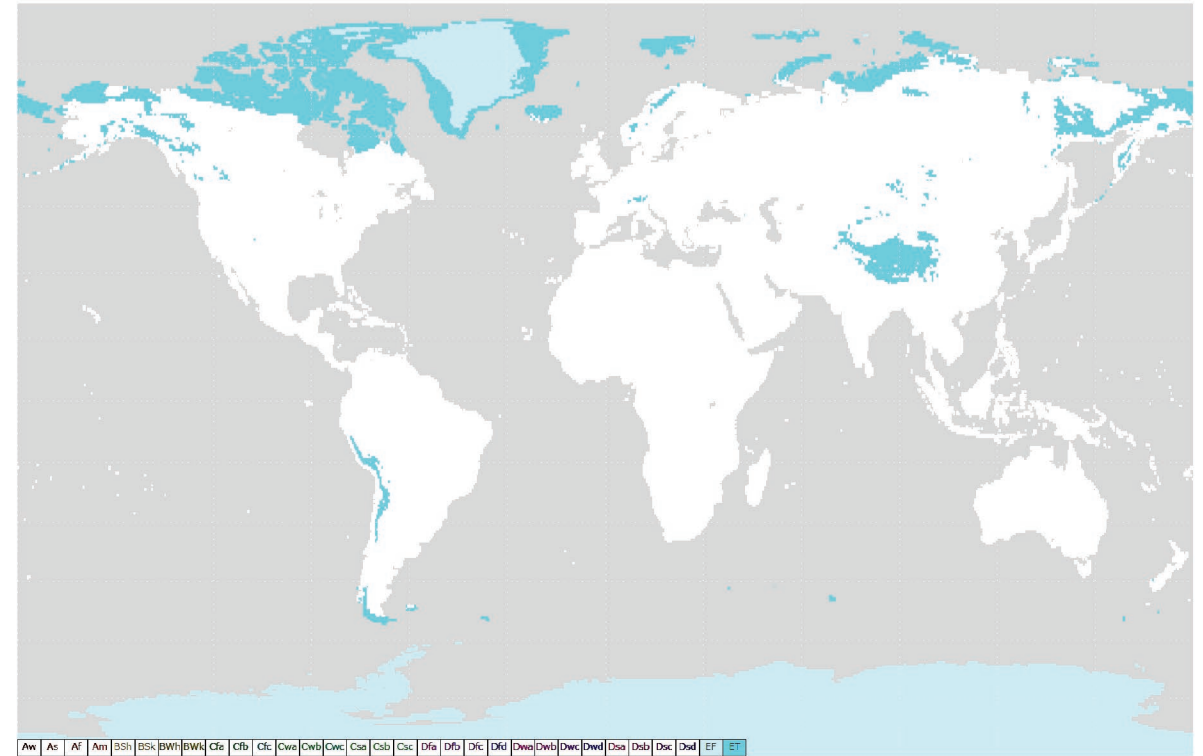
Polar Tundra Climate

Location Examples:

- Mount Rainier, Washington, United States
- Cairn Gorm, United Kingdom
 - La Rinconada, Peru
 - Nagqu, Tibet

The ET climate is characterized as tundra and are typically found in northern latitudes or high altitude locations and lack in large vegetation.

Due to the cold weather conditions often present in this climate, buildings are best suited to materials that can not only endure such conditions but that can also be pre-assembled and assist in passive heat gain.



Sources:
<http://www.aucklanddesignmanual.co.nz/streets-and-parks/park-design/landscape-and-amenity/guidance/connect/connect-the-environment>
<https://www.britannica.com/science/Koppen-climate-classification>

Dronning Ingrid's Hospital

case study
By Larissa Sattler

Location: Nuuk, Greenland



Architect: C. F. Moller Architects

Owner: N/A

Year of completion: 2011

Climate: Tundra Climate

Material of interest: Copper Cladding

Application: Exterior

Properties of material: The copper was chosen for its durability and resistance to the extreme cold climate conditions

Sources:

Architect Website: <https://www.cfmoller.com/>

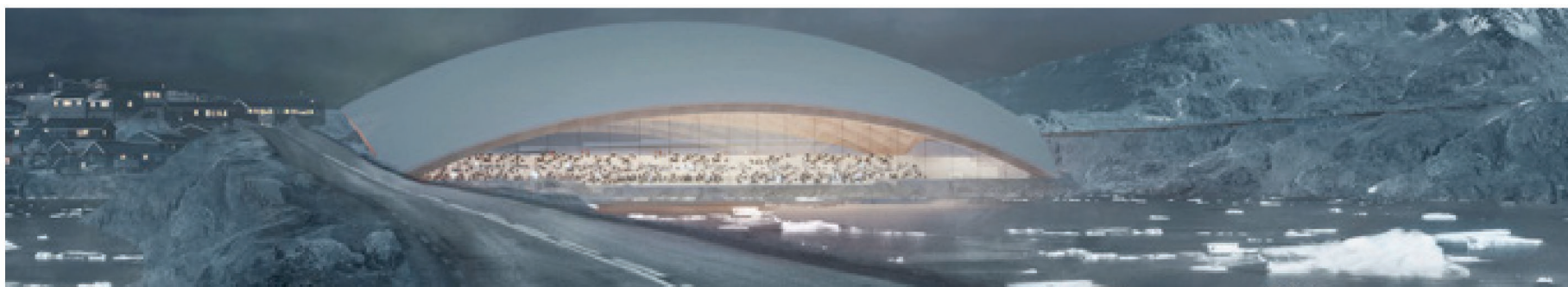
<https://www.archdaily.com/438840/dronning-ingrids-hospital-c-f-moller-architects>



Nuuk Stadium

case study
By Patrick Murray

Location: Nuuk, Greenland



Architect: Bjarke Ingels Group (BIG)

Owner: N/A

Year of completion: In Progress (2018)

Climate: ET Tundra

Material of interest: Glass

Application: Facade

Properties of material: passive lighting and heat gain through material; connects interior to exterior landscape and views

Sources:

https://www.architectmagazine.com/project-gallery/nuuk-stadium_o
<https://knr.gl/da/nyheder/verdensber%C3%B8mt-arkitekt-skals%C3%A6tte-arktisk-stadion-p%C3%A5-verdenskortet>