

# BERLIN SUMMER ACADEMY

Design for a low carbon life style

JUNE 7/8 - JULY 7/8 2018

ARCH 576 DE

4 CREDITS

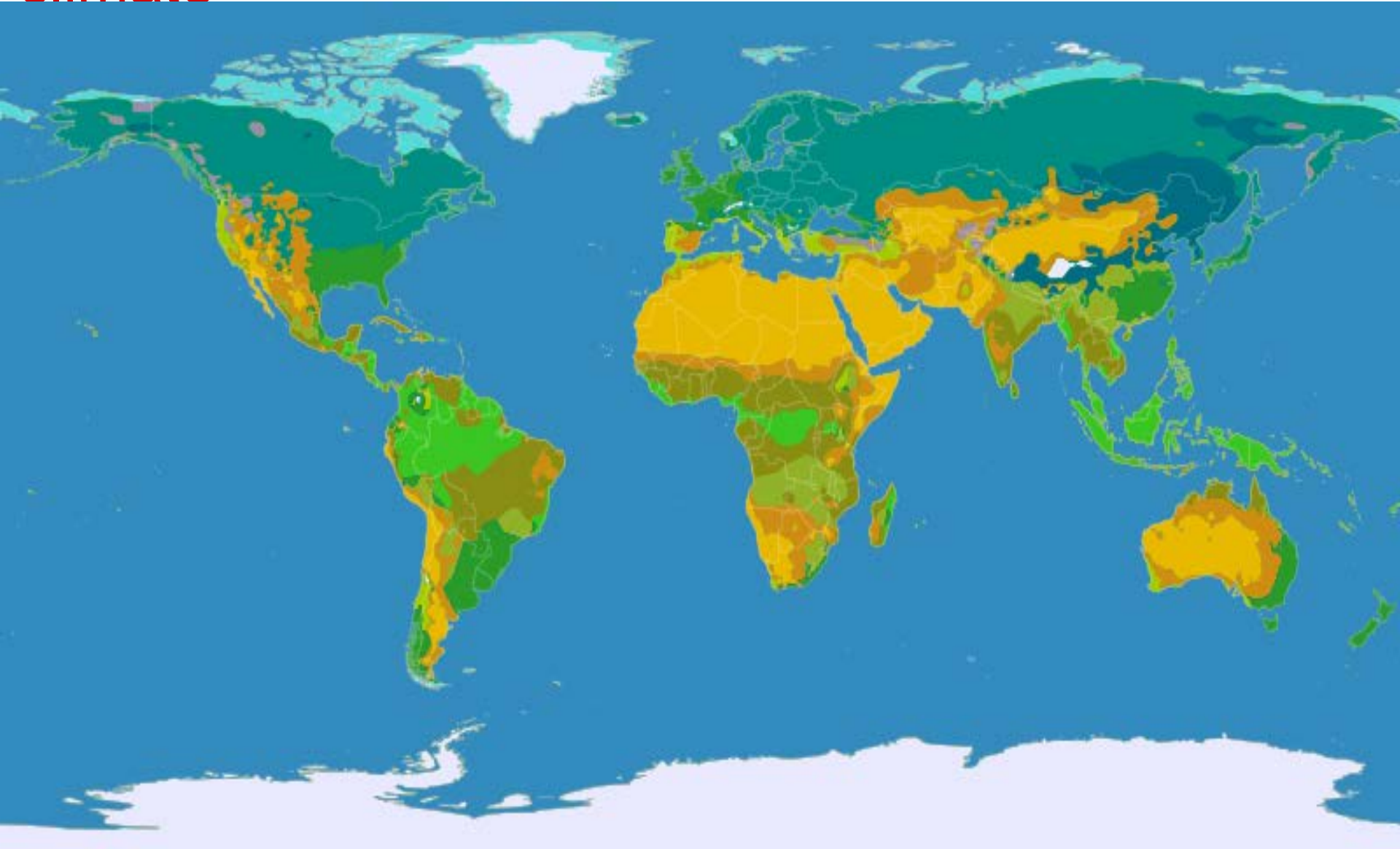
Orientation



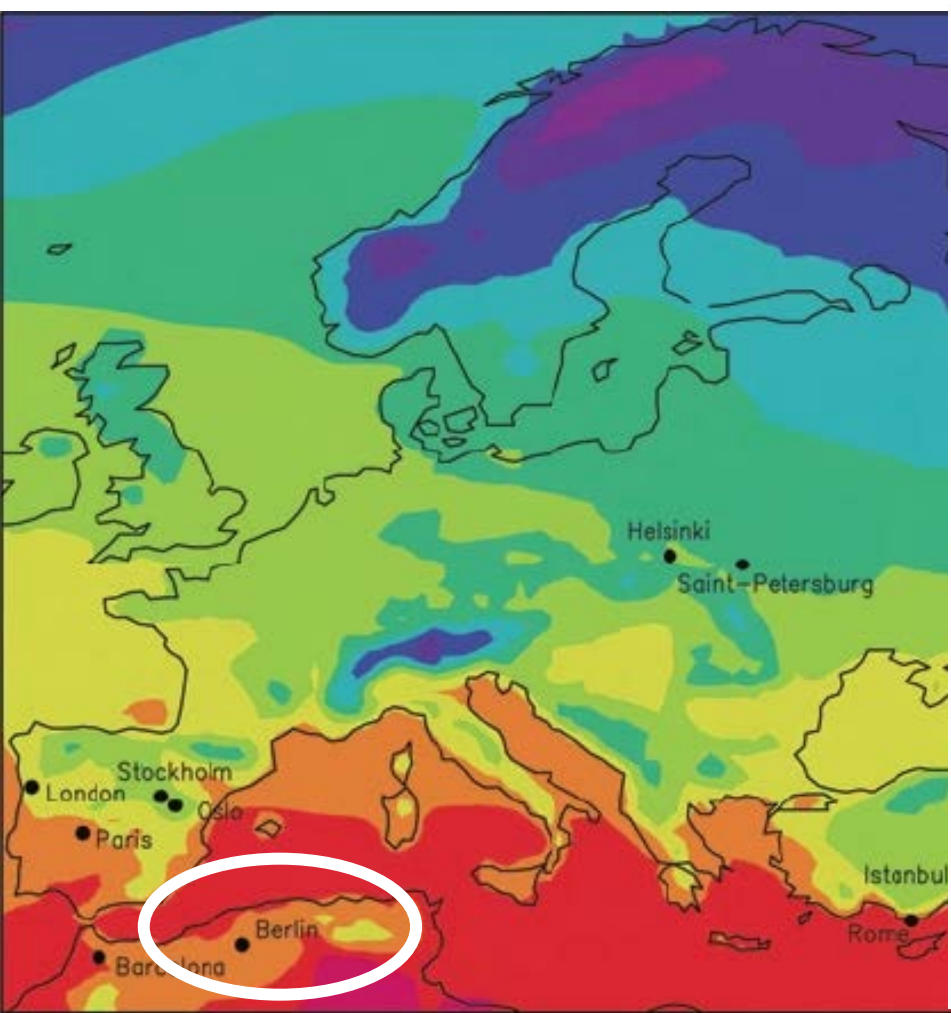
CONTACT: ULRIKE PASSE

[upasse@iastate.edu](mailto:upasse@iastate.edu)

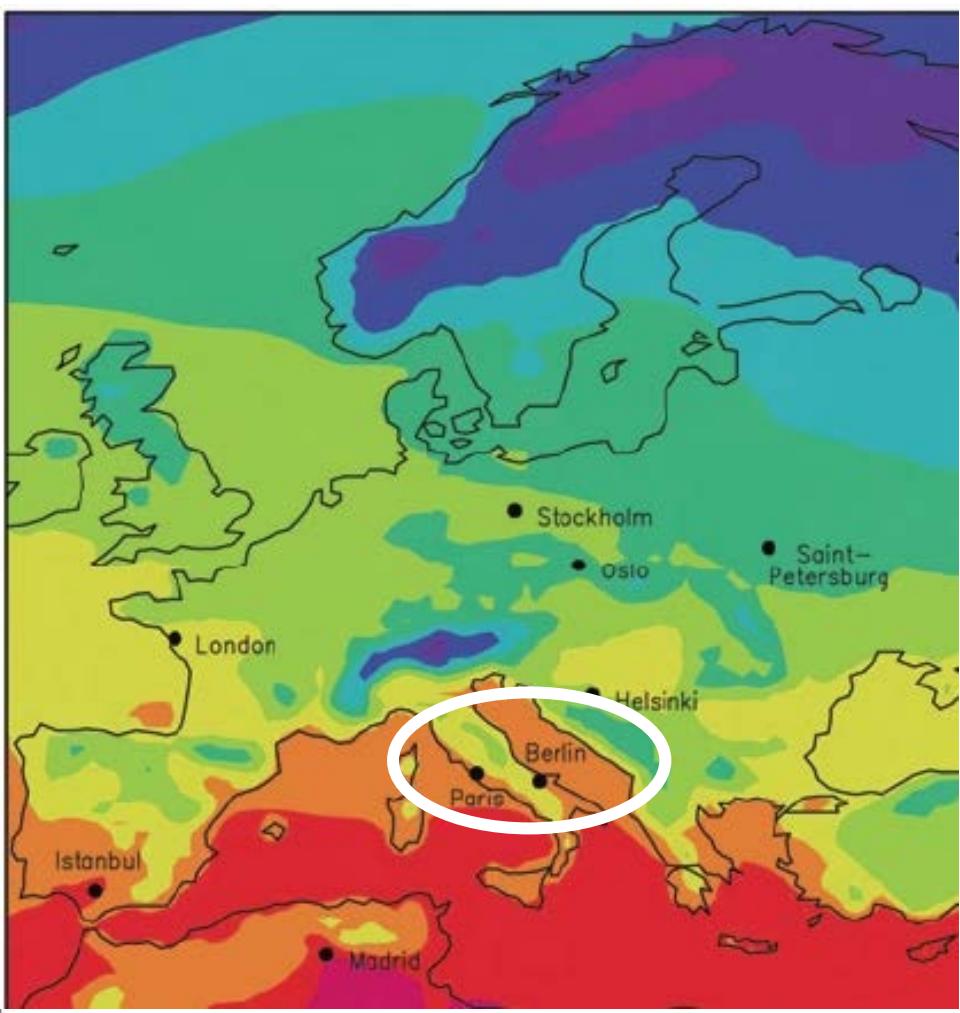
# climate



Relocation of European climates at the end of the 21st century, Climates were characterized using three indicators: **Aridity Index, Heating and Cooling Degree Days**



Hadley Center model, **HadRM3H**, Climat Emission scenario SRES/A2



Météo-France Center model, **ARPEGE-Climat**, Emission scenario SRES/A2



# Our collaborators and partner

- Beuth Hochschule für Technik Berlin
  - Willi Hasselmann
- City College New York, NY
  - Christian Volkmann
- GUTECH OMAN
  - Alexander Kader
- AEDES ANCB CAMPUS
- <http://www.ancb.de>



# Germany



# Berlin





# BERLIN and the USA



Flughafen Tegel



Brandenburger Tor



Checkpoint Charlie



*John F. Kennedy*  
Präsident  
der Vereinigten Staaten von Amerika



Rathaus Schöneberg



Freie Universität



Clay-Allee, US-Hauptquartier



# BERLIN BAERLIN BEARLIN



# BERLIN...is more





# BIG CITY ARCHITECTURE





# Study the work of world famous architects





# Hamburg

- Largest commercial port in Germany
- Largest urban renewal area (HafenCity)
- Port revitalization
- International building exhibition IBA



# New Urban Design - Hafencity





# Fieldtrips: Visit Bauhaus



# Dessau





# Sustainable Design - UBA





# The first green high rise



# Innovative construction





# Hamburg Elbphilharmonie



# OMA for real.....Dutch Embassy





# Building Visits



# LOCATION: Alte Kantine Wedding





# LOCATION: Alte Kantine Wedding





# BERLIN'S HIDDEN RIVER

[illegible]



# International collaboration





# Understand planning processes





# Green Live in action

More visits in  
Berlin TBD



# Work, discuss, create, collaborate





# Collaborative Learning



# Work, discuss, create, collaborate

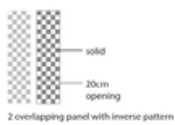




# Environmental Performance SOFTWARE LEARNING

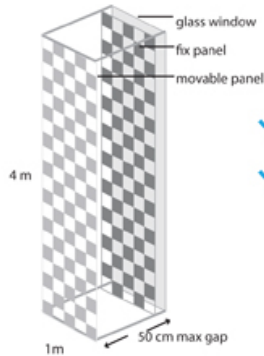
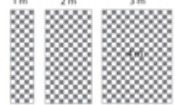
## DIFFUSER PANEL

### PANEL PATTERN

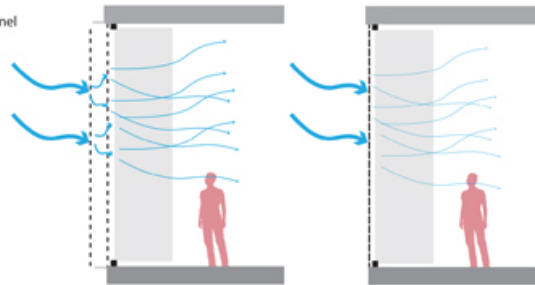


### PANEL SYSTEM

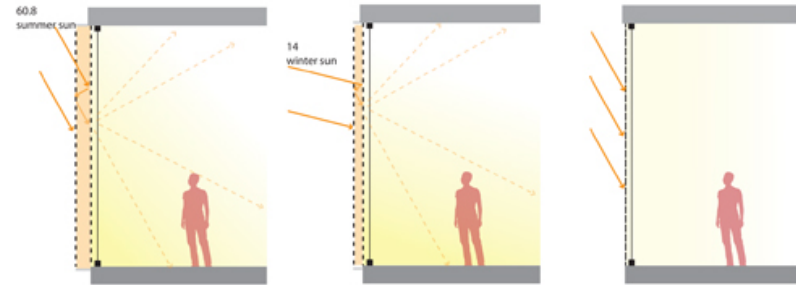
### PANEL SIZES



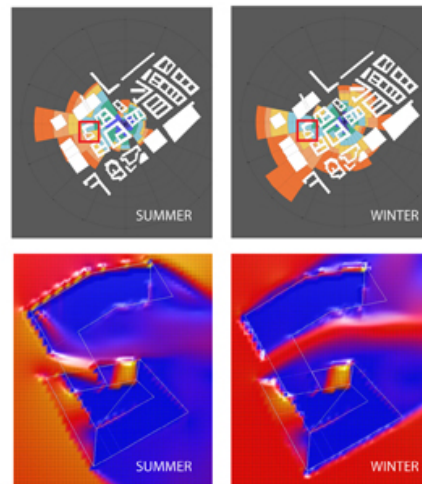
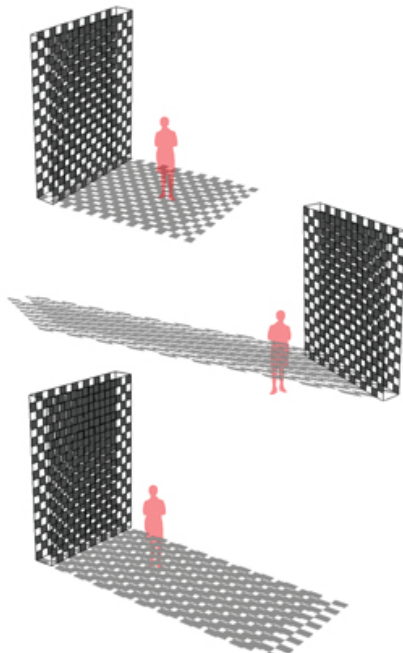
### DIFFUSE WIND



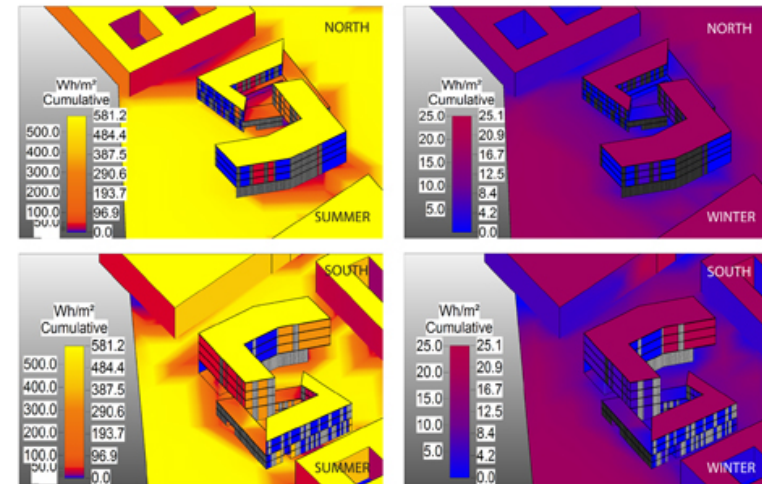
### DIFUSE LIGHT



### WIND TUNNEL



### SOLAR RADIATION



# Housing / LOCATION in Berlin

- We give you the option to find your own housing
- <http://alte-kantine-wedding.de/>
- **Alte Kantine Wedding**  
Uferhallen Kulturwerkstatt  
Uferstrasse 8-11  
13357 Berlin



# BUDGET 2017

- PROGRAM FEE covers:
  - All instruction on site, guest lectures
  - Software tutorials / workshops
  - Workshop professionals
  - Fieldtrips
  - Printing and other model making materials
  - Public transportation in Berlin
  - German Class
  - Occasional social events
  - Exhibition back in Ames

# CREDIT HOURS & TUITION

- 4 credits: ARCH 576 DE
- If you have taken ARCH 401, you can add 2 credits in the following fall to add to a 6 credit options studio (please contact me now).
- Tuition for 4 credits
- You need to get yourself to Berlin on your own cost. And get housing as you have done!



# FINAL PARTY, June 30th, KANTINE





# FINAL EXHIBITION





# Questions????????????????????

- This PowerPoint will be posted after the session

