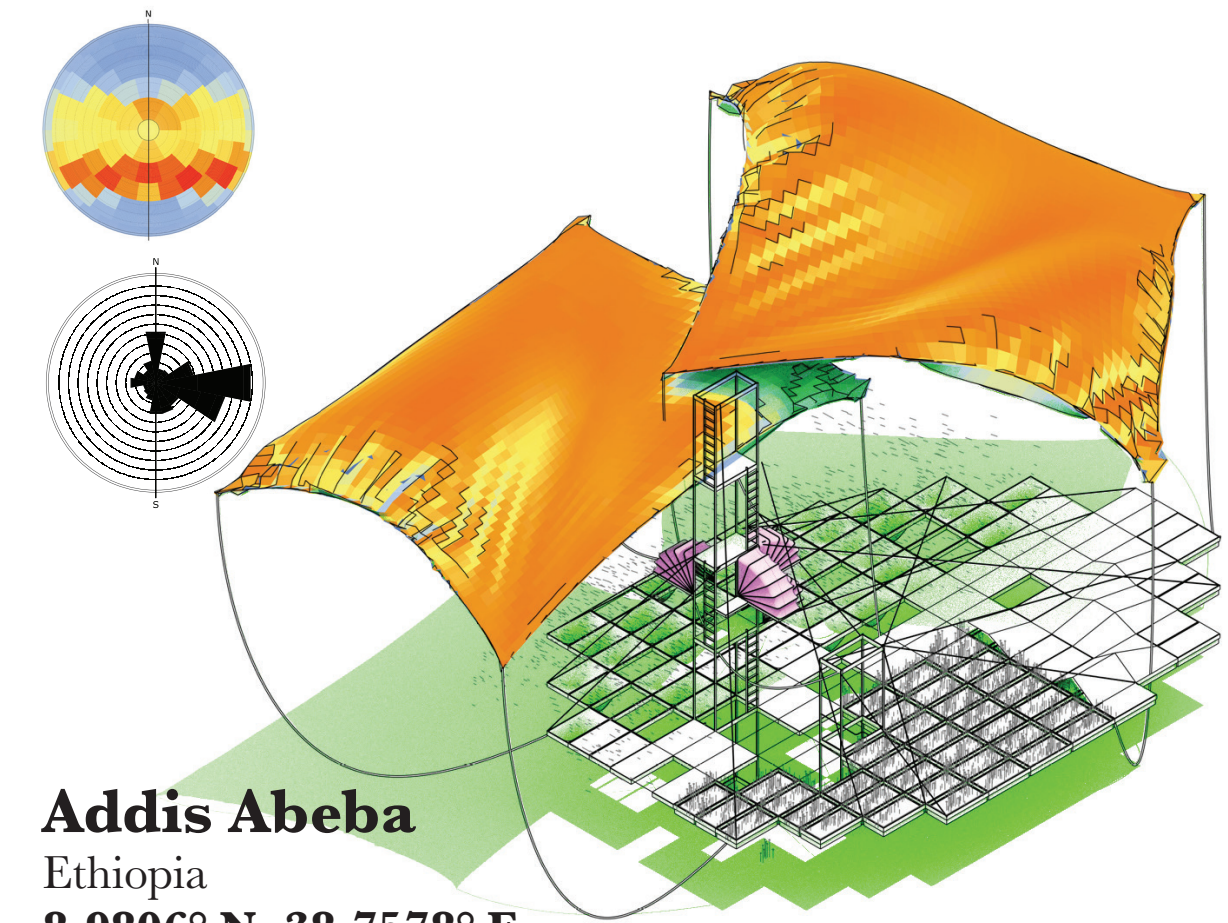


Local/global strategy

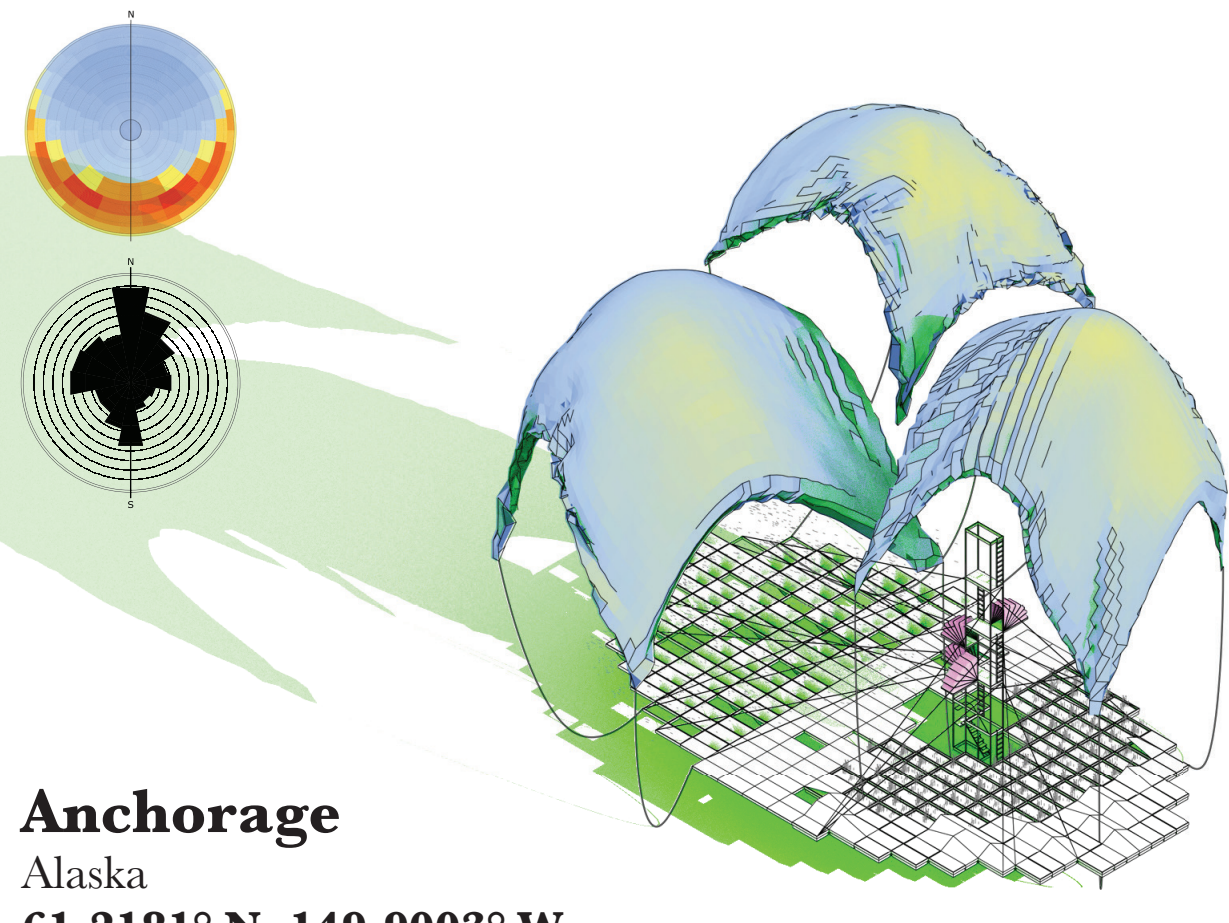
Supersede is a responsive system. A tower, a pixilated productive platform and solar balloons. The components are always the same and yet it is always different. The prototype is adaptable to different locations: Addis Adaba, Anchorage, Beijing, Cape Town, El Paso, Helsinki, Melbourne, Nairobi, Ottawa, Punta Arenas Quito and Wellington are some examples. The platform shape and profile reflects wind conditions. It is elongated in alignment with the principal and cross wind vectors and reduced in size where there are strong wind conditions. Balloon geometry responds to the sunpath. Balloons get wider and flatter in locations closer to the equator, maximising photovoltaic gain while protecting the platform from solar radiation; and they

get taller and more spherical at higher latitudes, optimising photovoltaic gain while allowing solar radiation to heat the platform. Each configuration generates different shading conditions for the productive platform, thus constructing a different artificial landscape: crops and greenhouses are situated on the side receiving most sun, while wetlands, fish farms and hydroponics systems are protected in the shaded areas. Supersede is intended not only as a closed cycle productive system, but as a biodiversity trigger, helping local ecosystems to engender richer and more hybrid human/non-human modes of coexistence.



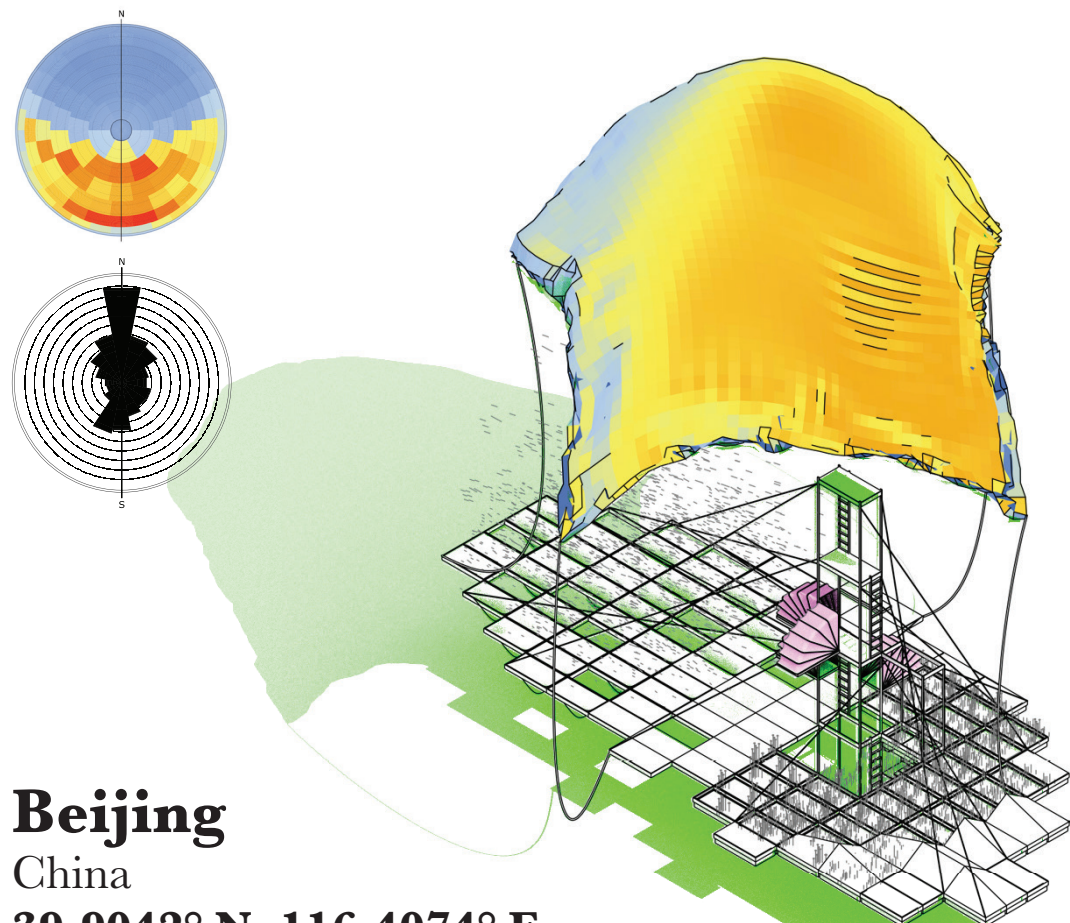
Addis Abeba
Ethiopia
8.9806° N, 38.7578° E

22 sept; 12:00 UTC+3:00
West winds; 3 shelter units; 176 components;
[35 crops, 25 protected crops; 36 platforms; 58
ponds; 22 voids]; maize, cabbage, pulses;
243k Kcal/season; 43 KWh



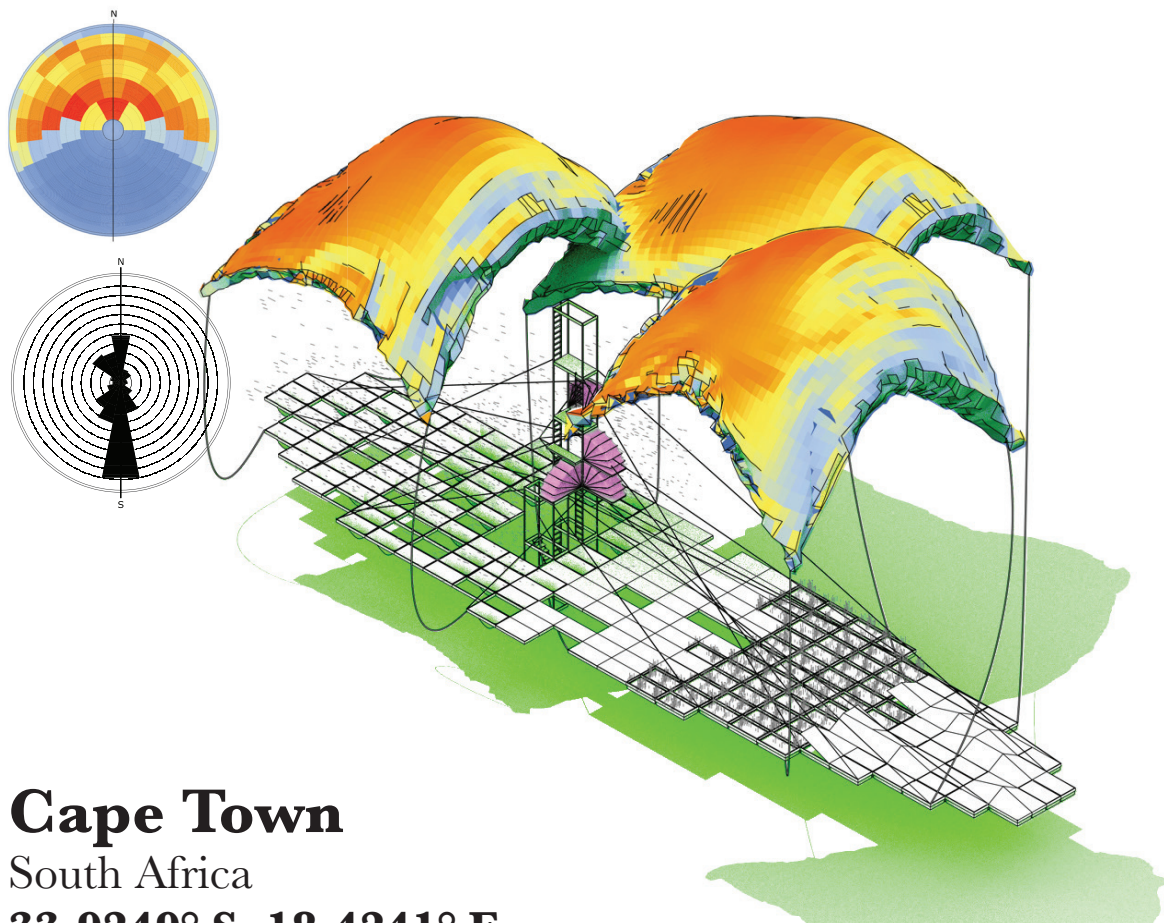
Anchorage
Alaska
61.2181° N, 149.9003° W

22 sept; 12:00 UTC-9:00
North/south winds; 3 shelter units; 234
components; [50 crops, 28 protected crops;
58 platforms; 83 ponds; 15 voids]; maize,
cabbage, pulses;
316k Kcal/season; 38 KWh



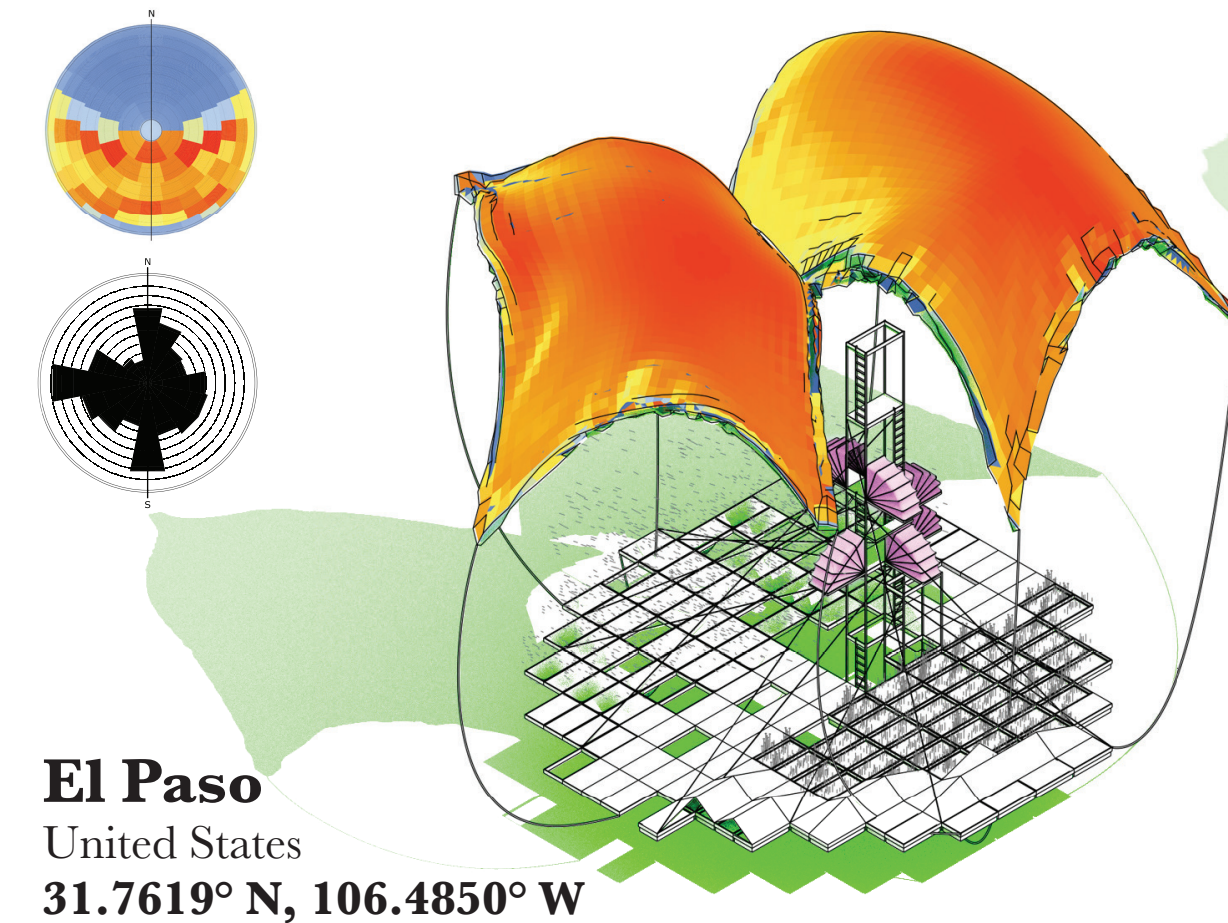
Beijing
China
39.9042° N, 116.4074° E

22 sept; 12:00 UTC+8:00
North/South winds; 3 shelter units; 144
components; [33 crops, 15 protected crops; 36
platforms; 33 ponds; 8 voids]; wheat, carrot,
pulses;
110k Kcal/season; 32 KWh



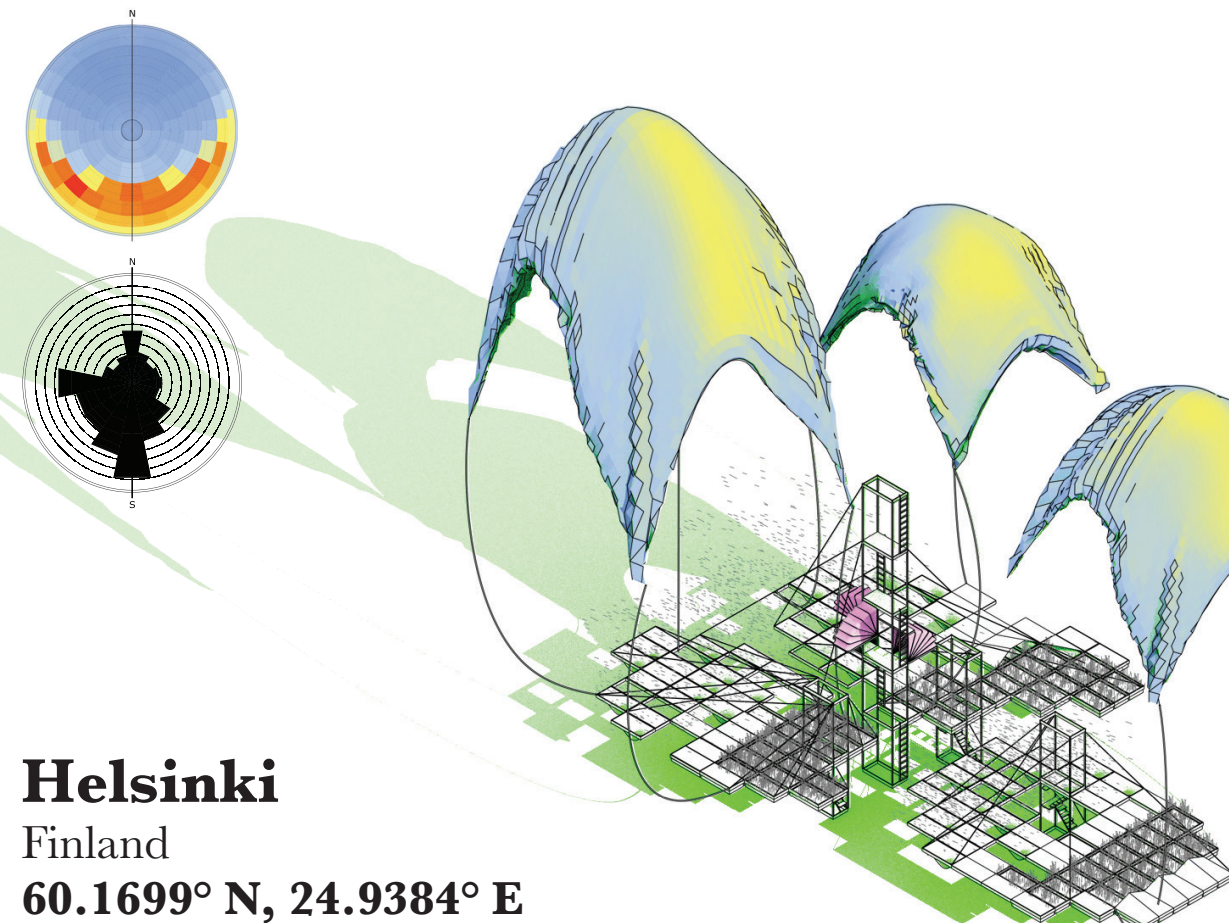
Cape Town
South Africa
33.9249° S, 18.4241° E

22 sept; 12:00 UTC+2:00
South winds; 3 shelter units; 144 components;
[33 crops, 15 protected crops; 36 platforms; 33
ponds; 8 voids]; maize, sorghum, sunflower;
120k Kcal/season; 83 KWh



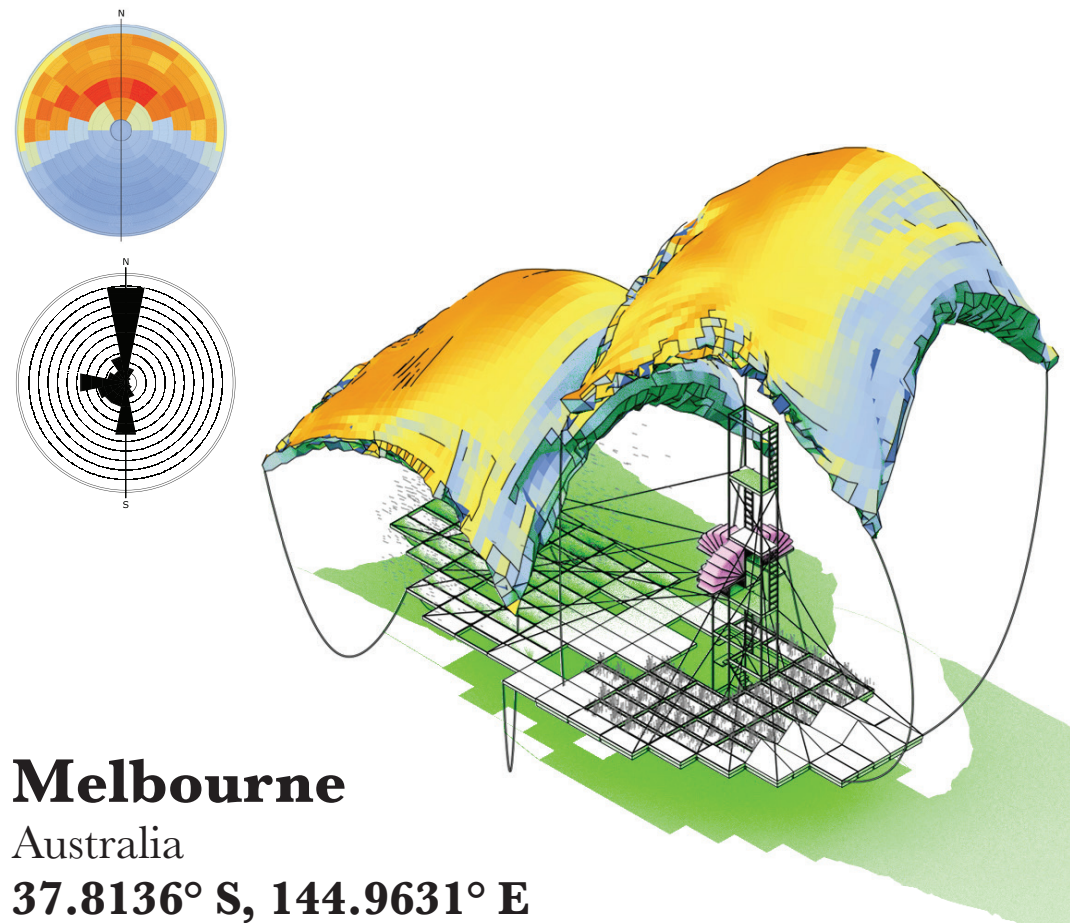
El Paso
United States
31.7619° N, 106.4850° W

22 sept; 12:00 UTC-7:00
West/North/South winds; 6 shelter units; 169
components; [49 crops, 25 protected crops; 32
platforms; 42 ponds; 21 voids]; maize, soybean,
tomato;
295k Kcal/season; 52 KWh



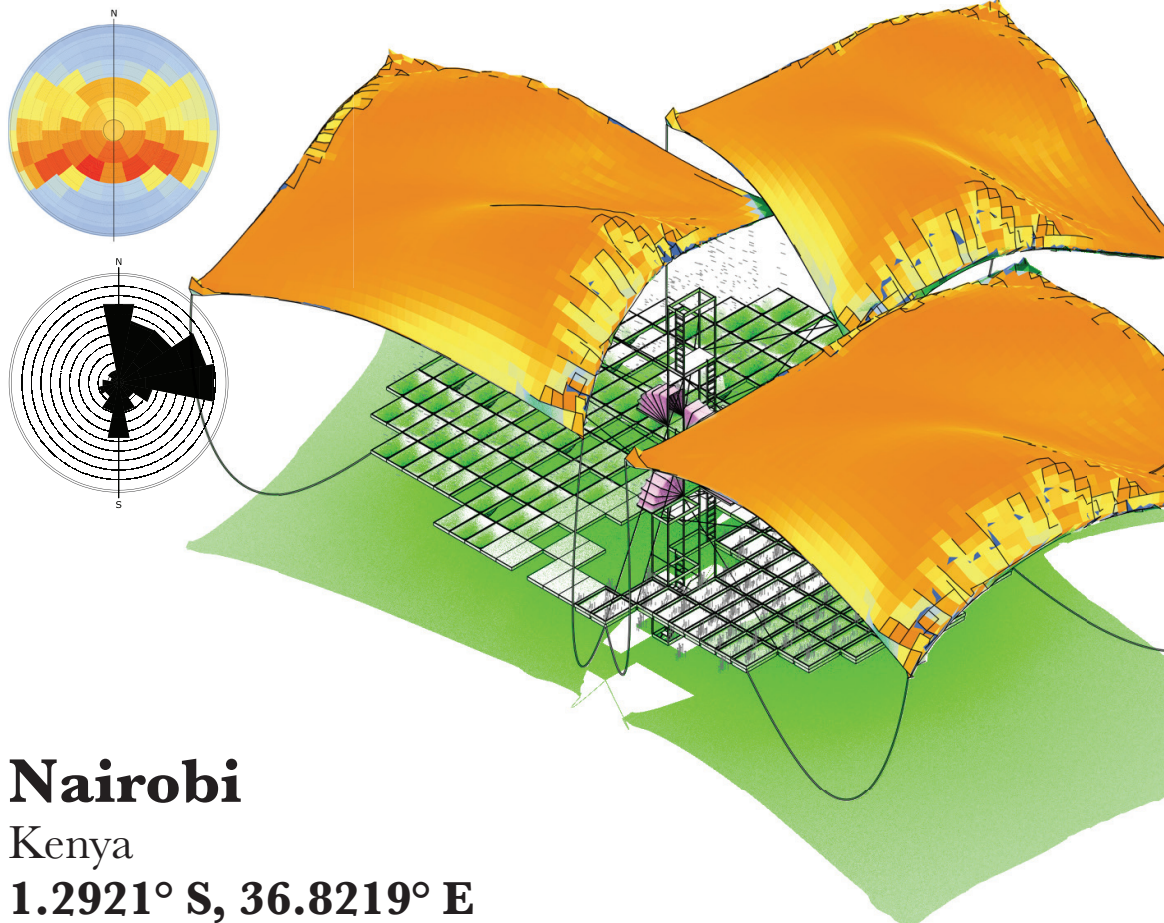
Helsinki
Finland
60.1699° N, 24.9384° E

22 sept; 12:00 UTC+2:00
West/South winds; 3 shelter units; 184 compo-
nents; [45 crops, 14 protected crops; 26 plat-
forms; 43 ponds; 56 voids]; maize, cabbage,
pulses;
110k Kcal/season; 32 KWh



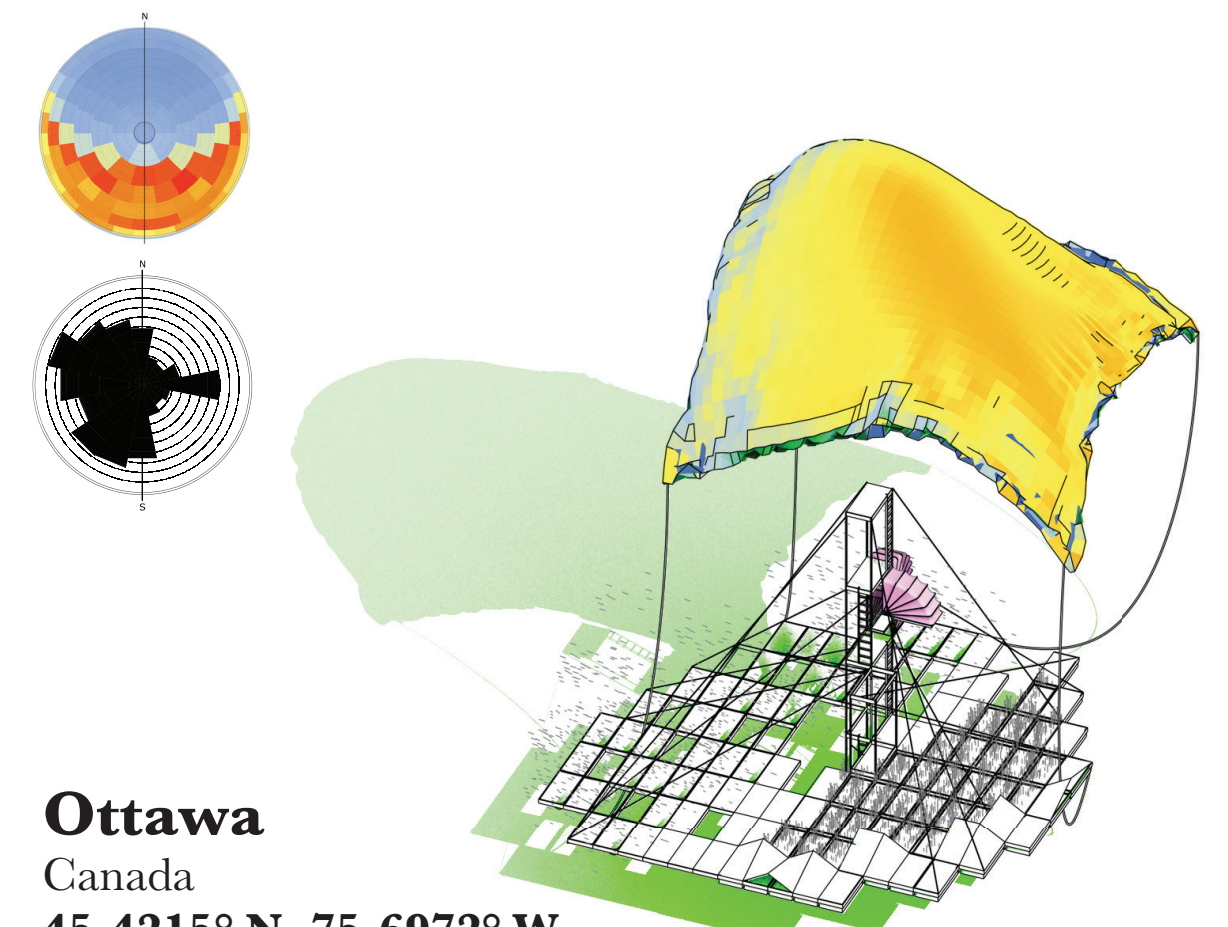
Melbourne
Australia
37.8136° S, 144.9631° E

22 sept; 12:00 UTC+10:00
North winds; 3 shelter units; 108 components;
[28 crops, 12 protected crops; 18 platforms; 31
ponds; 19 voids]; barley, rapeseed, potato;
90k Kcal/season; 42 KWh



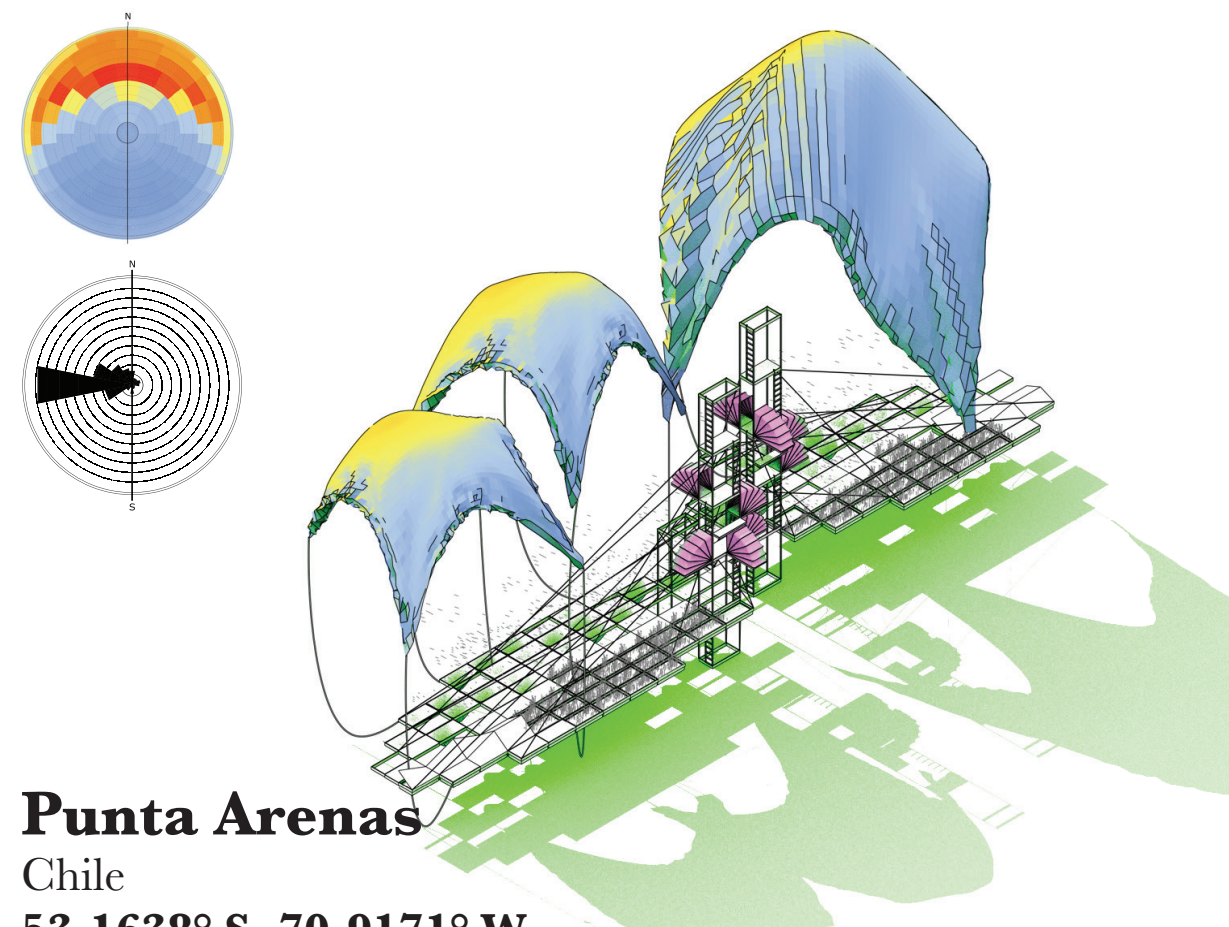
Nairobi
Kenya
1.2921° S, 36.8219° E

22 sept; 12:00 UTC+3:00
North/East winds; 4 shelter units; 223 compo-
nents; [48 crops, 35 protected crops; 36 plat-
forms; 75 ponds; 29 voids]; maize, sorghum,
pulses;
324k Kcal/season; 89 KWh



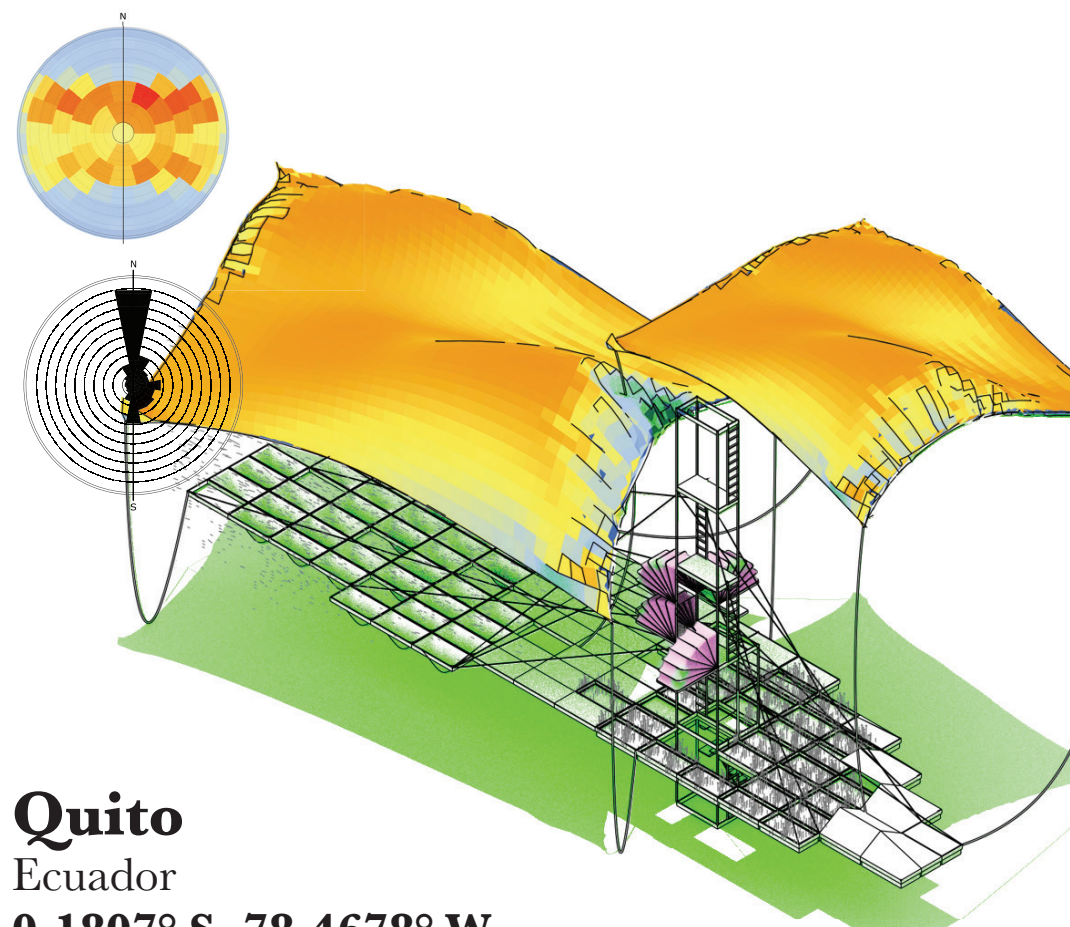
Ottawa
Canada
45.4215° N, 75.6972° W

22 sept; 12:00 UTC-4:00
West/South winds; 2 shelter units; 124 com-
ponents; [33 crops, 21 protected crops; 26
platforms; 36 ponds; 8 voids]; wheat, rapeseed,
pulses;
218k Kcal/season; 39 KWh



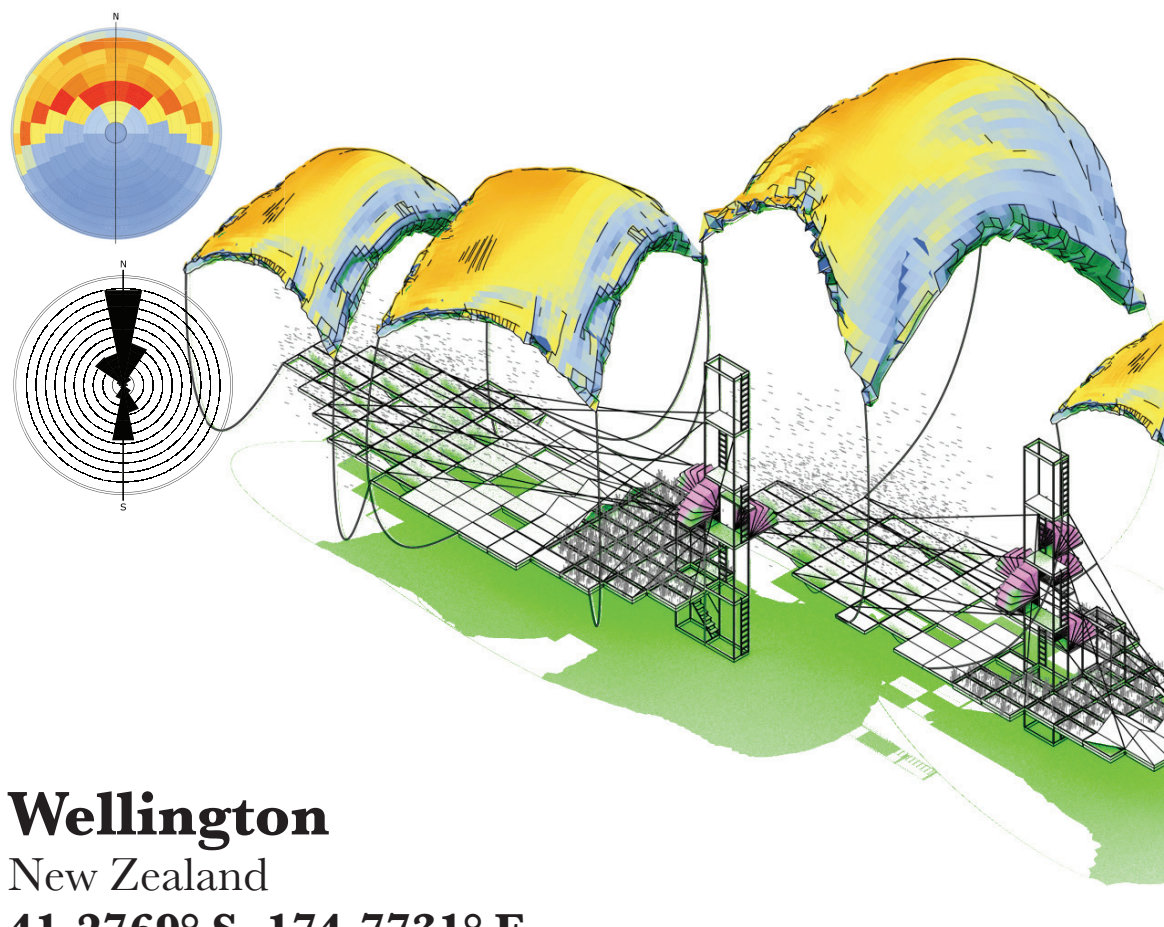
Punta Arenas
Chile
53.1638° S, 70.9171° W

22 sept; 12:00 UTC-3:00
West winds; 8 shelter units; 131 components;
[38 crops, 14 protected crops; 36 platforms; 33
ponds; 10 voids]; wheat, soybean, sunflower;
189k Kcal/season; 35 KWh



Quito
Ecuador
0.1807° S, 78.4678° W

22 sept; 12:00 UTC-5:00
North winds; 4 shelter units; 123 components;
[30 crops, 9 protected crops; 28 platforms; 48
ponds; 8 voids]; maize, soybean, tomato;
150k Kcal/season; 48 KWh



Wellington
New Zealand
41.2769° S, 174.7731° E

22 sept; 12:00 UTC+12:00
North winds; 6 shelter units; 164 components;
[30 crops, 16 protected crops; 31 platforms; 43
ponds; 44 voids]; wheat, pulses, cabbage;
186k Kcal/season; 45 KWh