Climate-Sensitive Vernacular Architecture

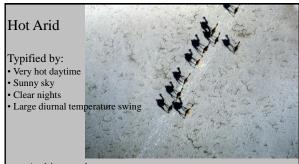
"Vernacular architecture does not go through fashion cycles. It is nearly immutable, indeed, un-improvable, since it serves its function to perfection...
—Bernard Rudofsky, Architecture w/o Architects, MOMA 1964

...vernacular[architecture]couldbest be studied from a specific point of view, raising specific questions about topics orthemes, rather than chronologically, the way traditional architectural history is studied.

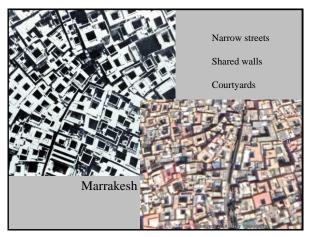
—Amos Rapoport

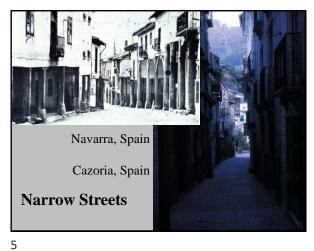
...so the theme here is climate-response theme

2



Architectural response: minimize/control building exposure to sun, wind, and light; use site scale shading, evaporative cooling, high mass, and migration



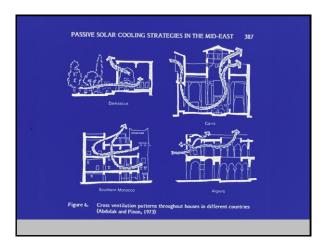


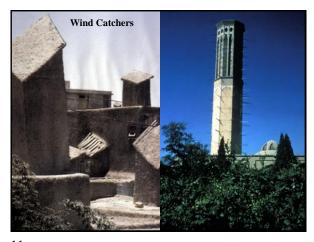


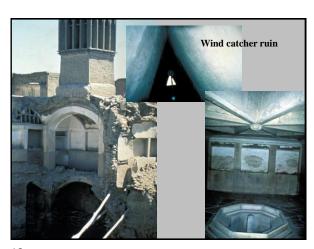






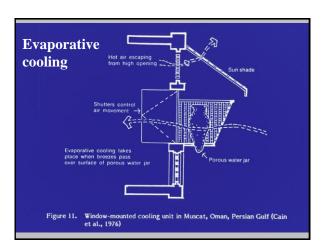


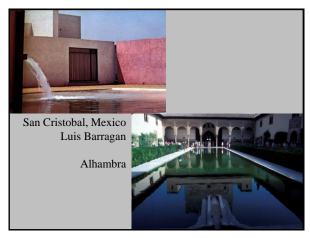


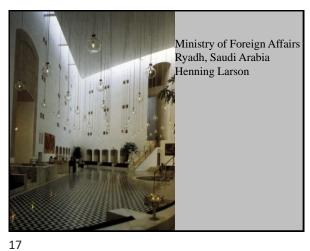


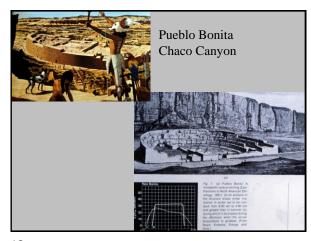




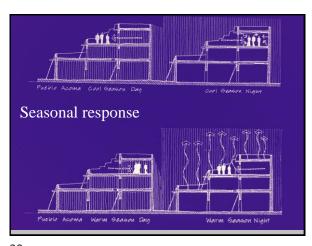


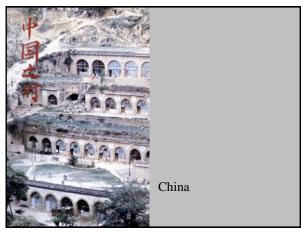


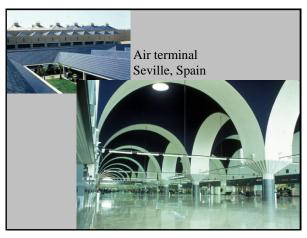




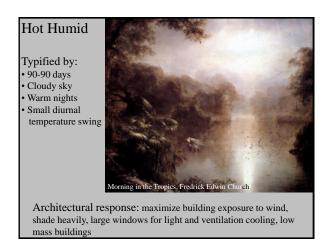


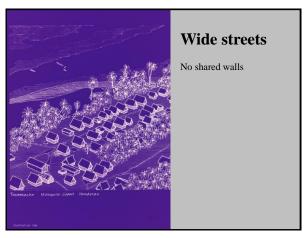


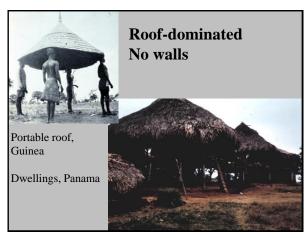


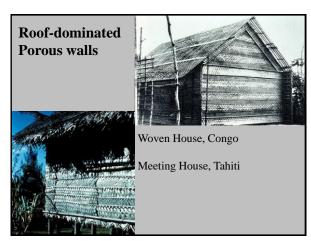




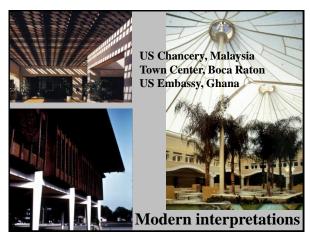




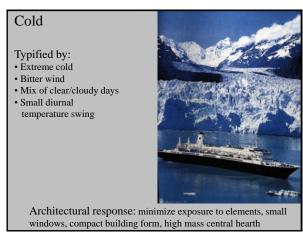




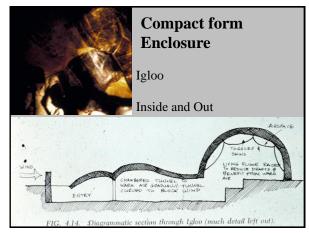




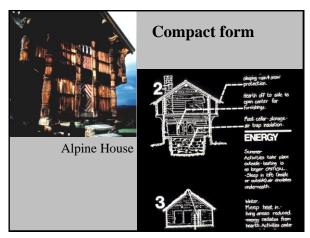


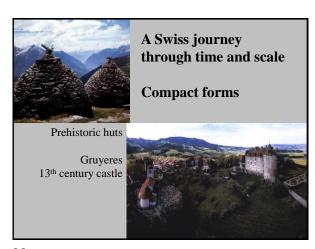




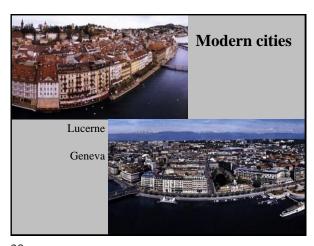
















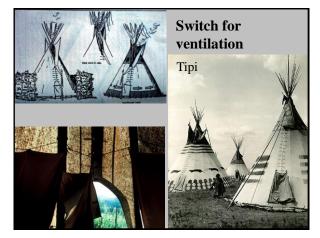
Mix of strategies
Shared walls
Courtyards

Trees

Open space

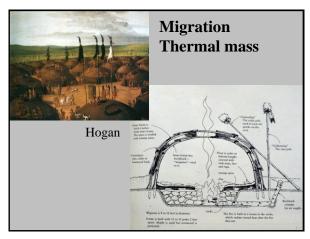
Japanese village

40



41

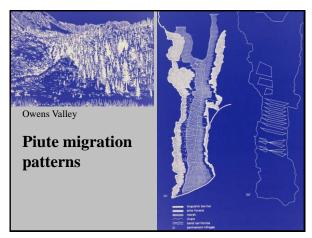


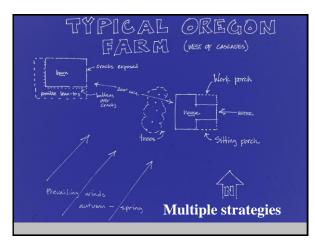


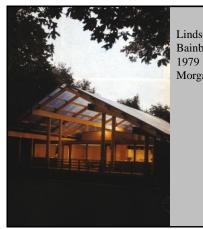












Lindstrom House Bainbridge Island 1979 Morgan & Lindstrom

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