

DDL313 Creativity and Sustainability in Nature

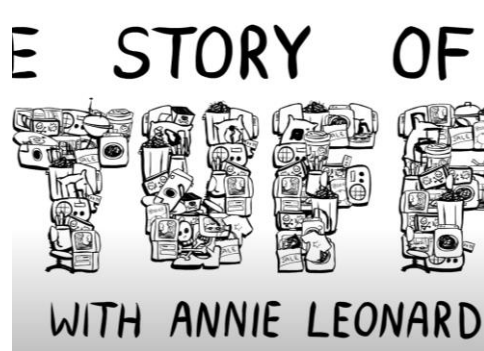
DDL753 Design of Sustainable Habitats



Jay Dhariwal
Asst Professor, Dept of Design,
IIT Delhi



Society and Environment
4th October, 2024



Traditional vs. modern life?



- Are we better than our forefathers?
- Is science and technology a blessing or a curse?



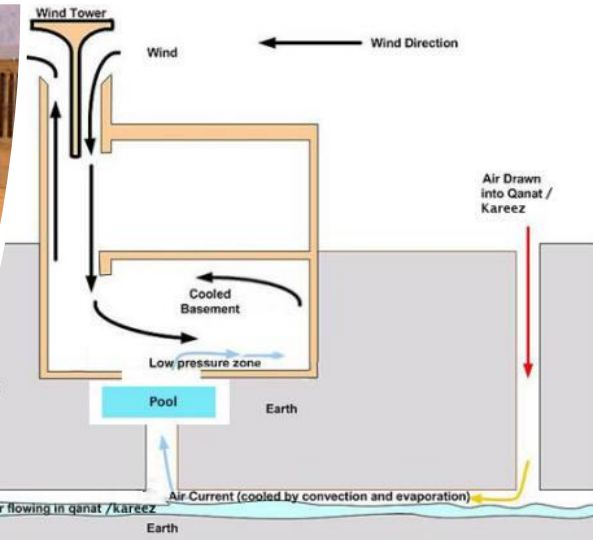
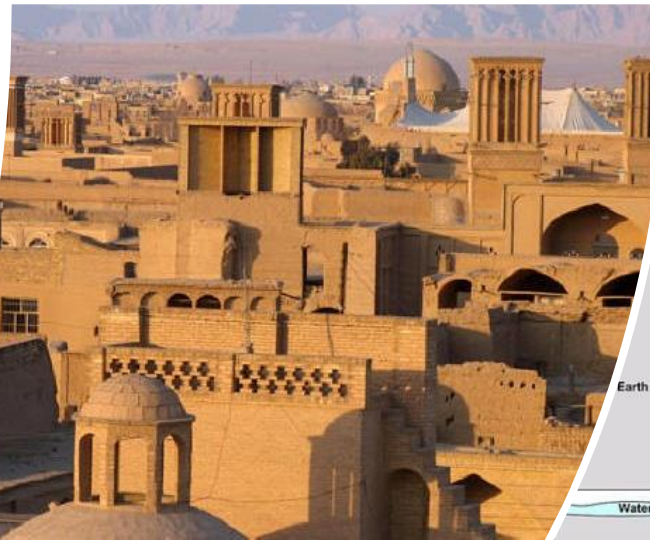
Learn from sustainable practices in different cultures

Why do they do this?
Why is it relevant for us?

<https://theconversation.com/the-amish-live-simply-but-dont-confuse-them-with-environmentalists-101017>

<https://www.heritageinstitute.com/zoroastrianism/yazd/page2.htm>

<https://nypost.com/2015/09/08/i-left-my-life-as-a-new-york-fashionista-to-become-a-nun/>

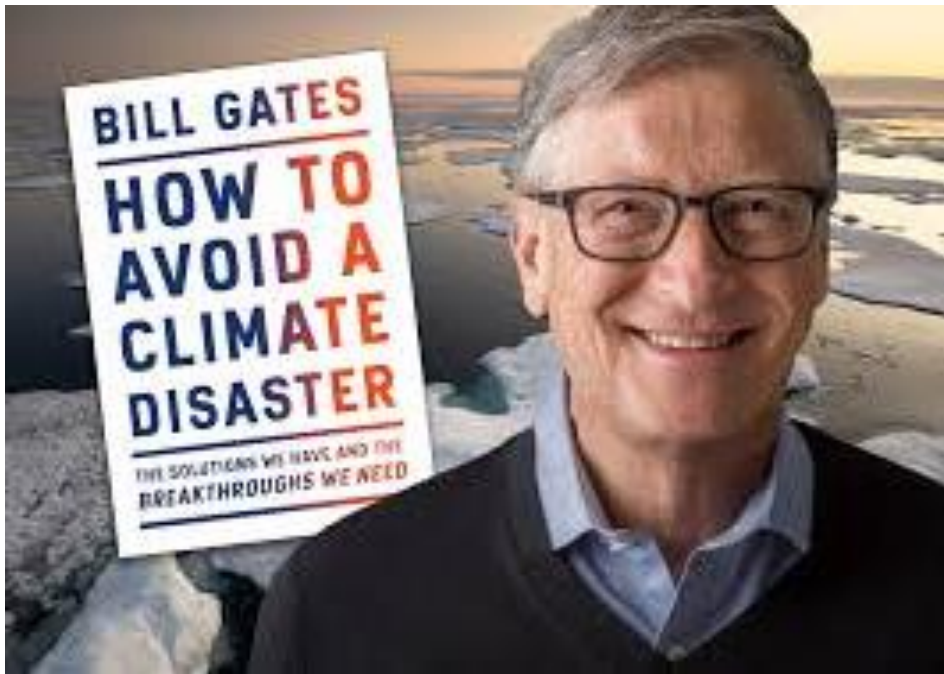




Nature classrooms

[Open air classrooms](https://www.santiniketan.com/education/)

<https://www.santiniketan.com/education/>



Introduction: 51 Billion to Zero

- 1 Why Zero?
- 2 This Will Be Hard
- 3 Five Questions to Ask in Every Climate Conversation
- 4 How We Plug In
- 5 How We Make Things
- 6 How We Grow Things
- 7 How We Get Around
- 8 How We Keep Cool and Stay Warm
- 9 Adapting to a Warmer World
- 10 Why Government Policies Matter
- 11 A Plan for Getting to Zero
- 12 What Each of Us Can Do

How to get from 51 billion tCO₂e to 0?

The history of our world in 18 minutes

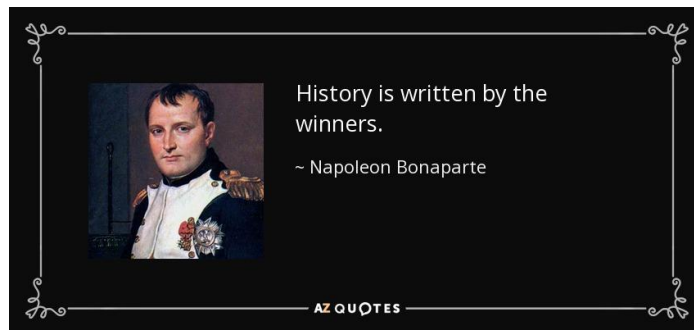
A brief history of humankind

Objective Reality?	New (Fictional) Reality?
Trees	Corporations
Rivers	Religions
Mountains	Money
Animals	Nations

As per Yuval Noah Harari in *Sapiens*

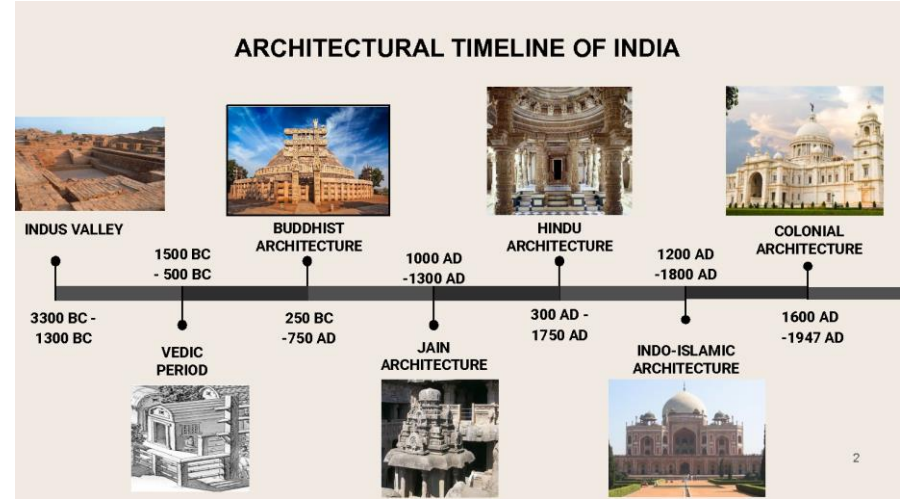
पंछी नदिया पवन के झोंके
कोई सरहद ना इन्हें रोके
सरहदें इन्सानों के लिए हैं
सोचो तुमने और मैने क्या पाया इन्सां हो के

Movie: Refugee



Indus Valley Civilization

4500 Years Old Public Bath



Shailendra Mehta - The University of the Future: Lessons from a 2600 Year History

April 12, 2016 5:00pm

RM 4-163

Location: MIT Campus

Type: xTalks

Audience: Faculty, MIT Community,
Public, Students

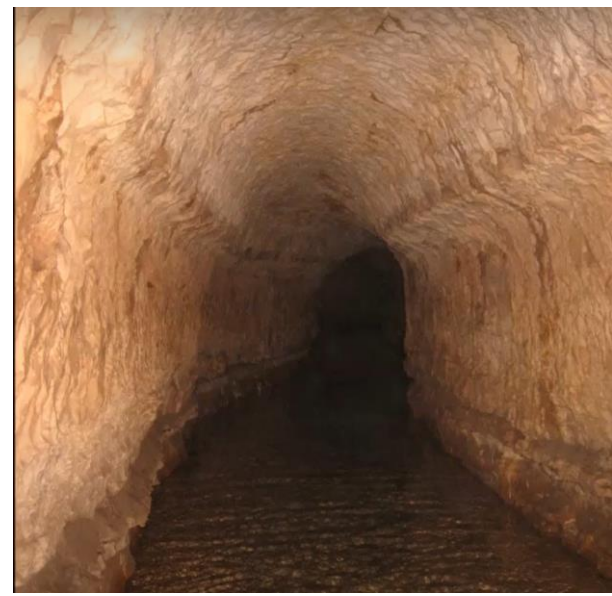
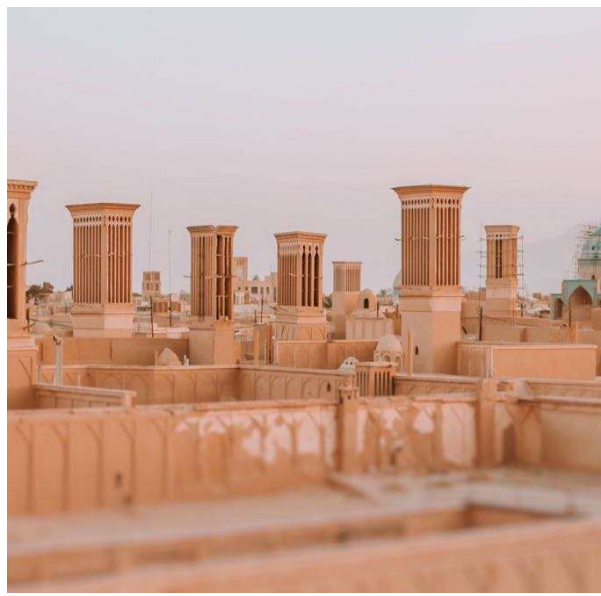
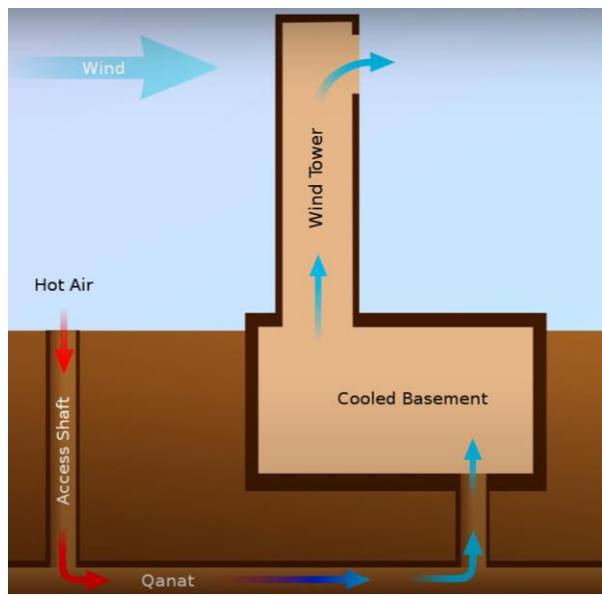


The 2600 year history of universities consists of three broad periods, of 1800 years, 700 years and 100 years, during which respectively, the Indian, the European and US universities have been dominant. During these three periods which have rarely been looked at together, the university form evolved gradually to its present form.

We will look at nearly 20 innovations that have taken place in the university form during this time, and highlight the remarkably similar sets of problems that were solved thereby in different regions of the world. The continuing dynamism of US universities will also be touched upon, as stemming from their unique governance forms. We will also look at the impact of new technologies such as MOOCs on the evolution of the university form.

<https://openlearning.mit.edu/events/shailendra-mehta-university-future-lessons-2600-year-history>

[Floor teaching around 300 BC](#): Chanakya teaching about seeking truth



Ancient air-conditioning in Yazd, Iran

Ancient
method to
preserve
grapes in
Afghanistan





A futuristic vision for Latin America, rooted in ancient
design

Why do we do what we do? Human needs?

- Workspace
- Clothing
- Entertainment
- Travel
- Shelter
- Classrooms
- Sleep
- Food
- Health
- Hygiene



<https://www.thevoiceoffashion.com/sustainability/opinion/rewind-the-year-of-khadi-1996>

Eco-friendly birthday design

