

# Mayors Symposium – Sustainable Tourism along the Silk Road

28 March 2024

Lanzhou, Gansu Province, China



## Balancing tourism growth, environmental conservation and climate action

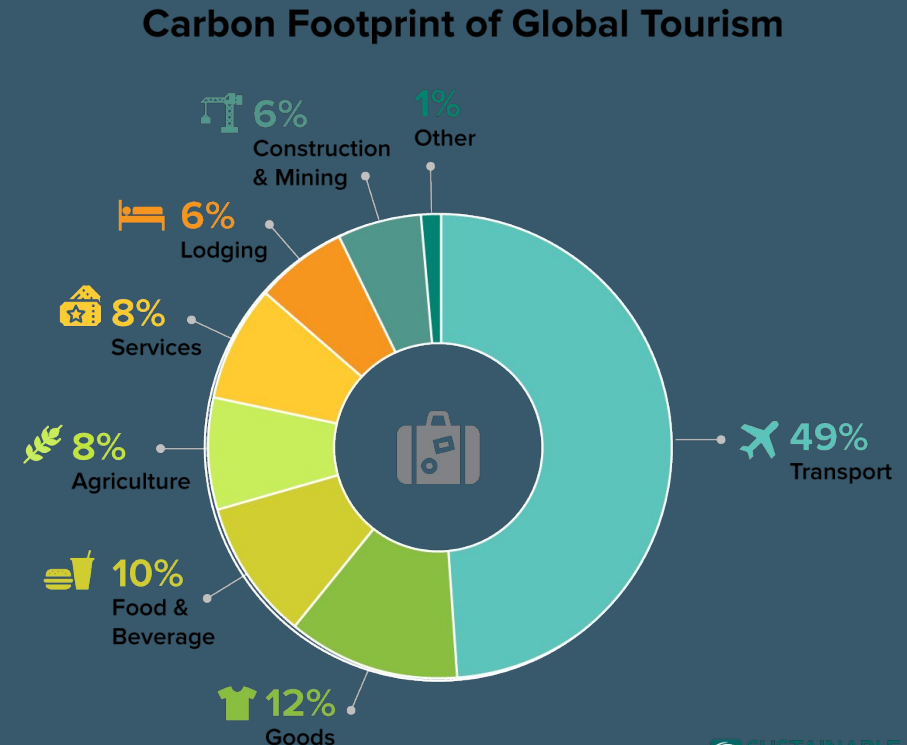
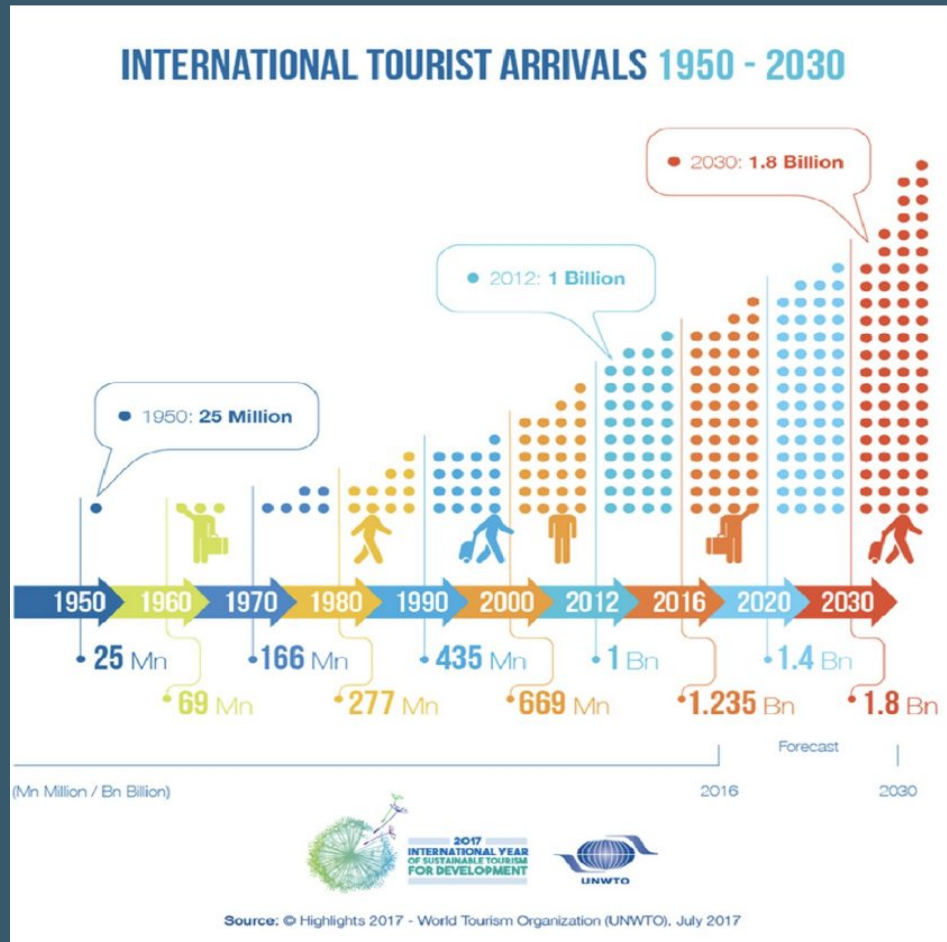
Cecilie Smith-Christensen

World Heritage Catalysis

<https://www.whcatalysis.org>

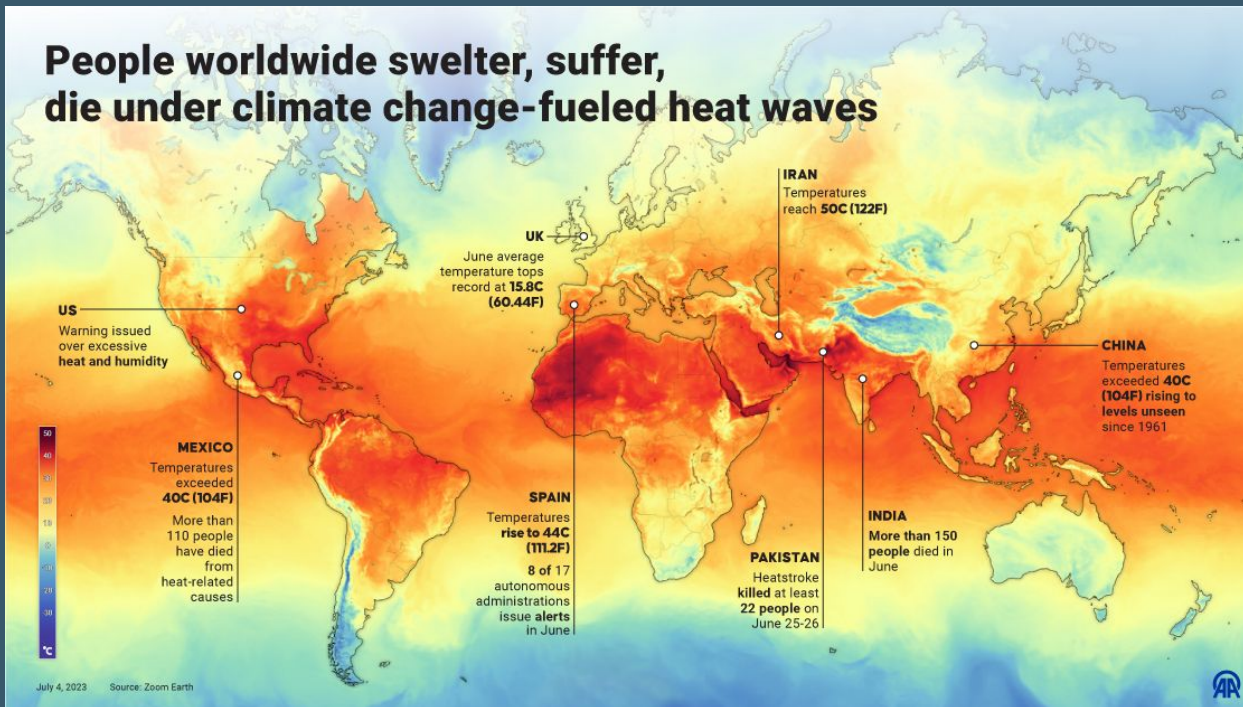
# Tourism - a high emission sector

Travel and tourism - accounting for 8-11% of man made CO2 emissions.



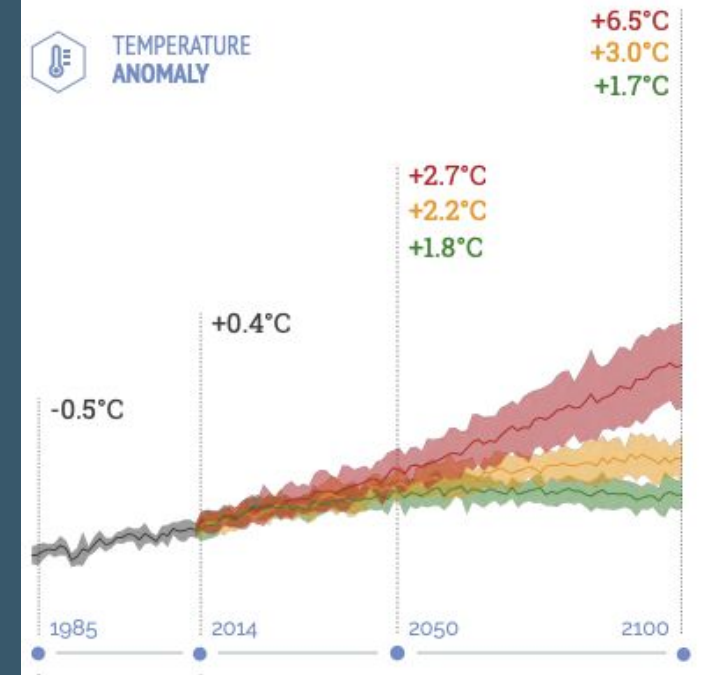
# Climate change - an existential threat

Climate change is the greatest challenge to tourism and host communities.



## TEMPERATURE PROJECTIONS

Under a low emissions scenario projected temperature variations will remain contained at around +1°C, both by 2050 and 2100. Under a high emissions scenario, with no reduction in GHG emissions, much greater temperature anomalies are expected by both 2050 and 2100.







China  
Grotto  
on W



“In the coming years, the success of travel and tourism businesses and destinations will be increasingly tied to their ability to manage and operate under even greater ecological threats”

– World Economic Forum Travel & Tourism Index

# Resilience - the “new sustainability”

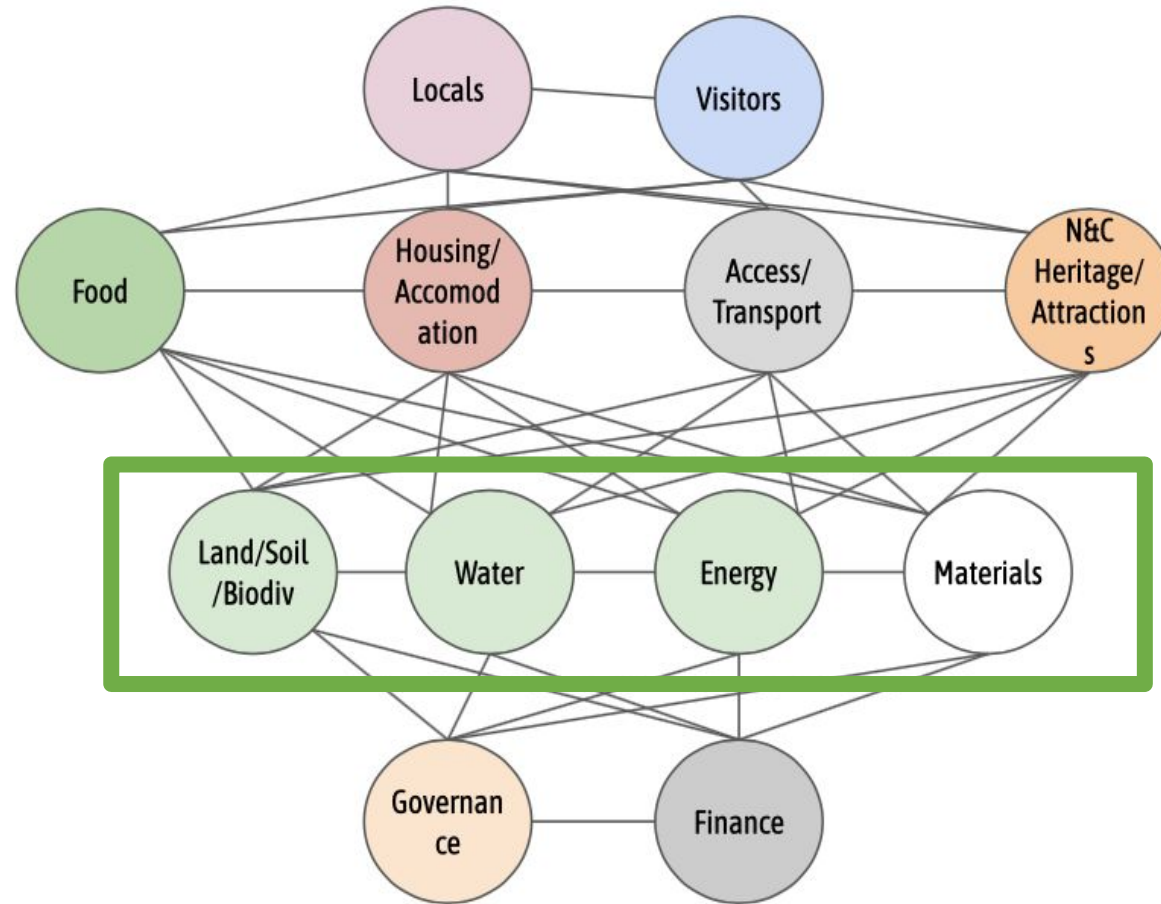


Residents cool off at a pool in Jinan in eastern China's Shandong province.  
Photograph: Ng Han Guan/AP

Community resilience refers to the ability of local communities to adapt, learn, and self-organize in the face of challenges and disruptions, such as disasters or crises.

# Systems interdependence

Relationship  
between systems  
within a (host)  
community



Stake/interest  
holders/consumers/producers

Interface between tourism &  
community

**Environmental resources**  
Underlying conditions for  
sustainability

New value networks  
Decoupling the economy from  
extraction



# Climate action

## ICHT Charter principle 7: Integrate climate action and sustainability measures in the management of cultural tourism and cultural heritage

- All cultural tourism stakeholders must take action to mitigate, reduce and manage climate impacts.
- Measures to support heritage conservation, biodiversity and natural ecosystems need to be a priority in planning, implementation and evaluation of tourism and visitor management strategies.
- Climate action strategies must consider traditional ownership, knowledge and practices.
- Climate change is calling for a transformational and regenerative approach to cultural tourism building resilient and adaptive communities and heritage places.



# Climate action through tourism

China has already set these climate-related goals



**By 2030**  
Peak carbon



**By 2035**  
Per-head GDP to match  
"moderately developed nations"\*



**By 2060**  
Carbon neutrality

\*Defined as nations with a per-capita GDP of US\$20,000 to US\$40,000

中外对话  
China Dialogue

*Service enterprises catering, entertainment and hotel industries shall adopt products that economize on energy, water and materials and are conducive to protecting the environment, and reduce the use of or do not use products that may waste resources and pollute the environment. New service enterprises in catering, entertainment and hotel industries established after the Law is put into effect shall adopt technologies, equipment and facilities that economize on energy, water and materials and are conducive to protecting the environment.*

*Article 26, Circular Economy Promotion Law (2008)*

# The transformative practice journey

From “sustainable” tourism in an growth dependent economy  
to energy positive tourism in a regenerative economy



VMAST

Assessments and mapping  
exposing complexity and  
opportunities

Energy production:  
Renewable energy  
Ecosystem services



- a regenerative circular approach
- stewardship of commons
- resilience
- tourism serving communities
- distributed and collaborative governance
- values based success indicators
- community empowerment

Practice **Extractive** **Green** **Sustainable**

- a linear, growth based approach
- exploitation of commons
- vulnerability
- communities serving tourism
- top down and exclusive
- growth based success indicators
- community disempowerment



**Generative**  
- Contributing to the  
local community

**Restorative**  
- Restoring social & ecological  
systems to a healthy state

**Regenerative** Practice  
- Enabling social & ecological  
systems to evolve

Energy consumption:  
Fossil energy  
Ecosystem services



ECONOMIC  
TRANSITION

ECONOMIC  
TRANSFORMATION

# Towards environmental sustainability

**Good practice is not a status  
- it's and ongoing commitment to learn  
and improve practice.**

Through regular use of UNESCO's Visitor Management Assessment & Strategy Tool (VMAST) World Heritage sites in Gansu will become catalysts for positive change through

**Contribution to environmental sustainability, climate change mitigation & adaptation**

(VMAST Goal B)

HOME	ASSESSMENT	APPRAISAL	STRATEGY
A. Governance & management	<b>B. Environmental sustainability</b>	C. Social & cultural sustainability	D. Economic sustainability
<b>Goal B: CONTRIBUTION TO ENVIRONMENTAL SUSTAINABILITY, CLIMATE CHANGE MITIGATION &amp; ADAPTATION Score: 0%</b>			
B1 Protection of sensitive environments ( _ %)			
B2 Protection of wildlife ( _ %)			
B3 Waste management ( _ %)			
B4 Water security and access ( _ %)			
B5 Energy conservation ( _ %)			
B6 Light, noise and visual pollution ( _ %)			
B7 Low-impact travel and transport ( _ %)			
B8 Carbon footprint (greenhouse gas emissions) ( _ %)			
B9 Climate change adaptation ( _ %)			
B10 Environmental risks ( _ %)			



# 谢谢大家！

Cecilie Smith-Christensen

Word Heritage Catalysis

如果大家有任何疑问，欢迎通过邮件联系我

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