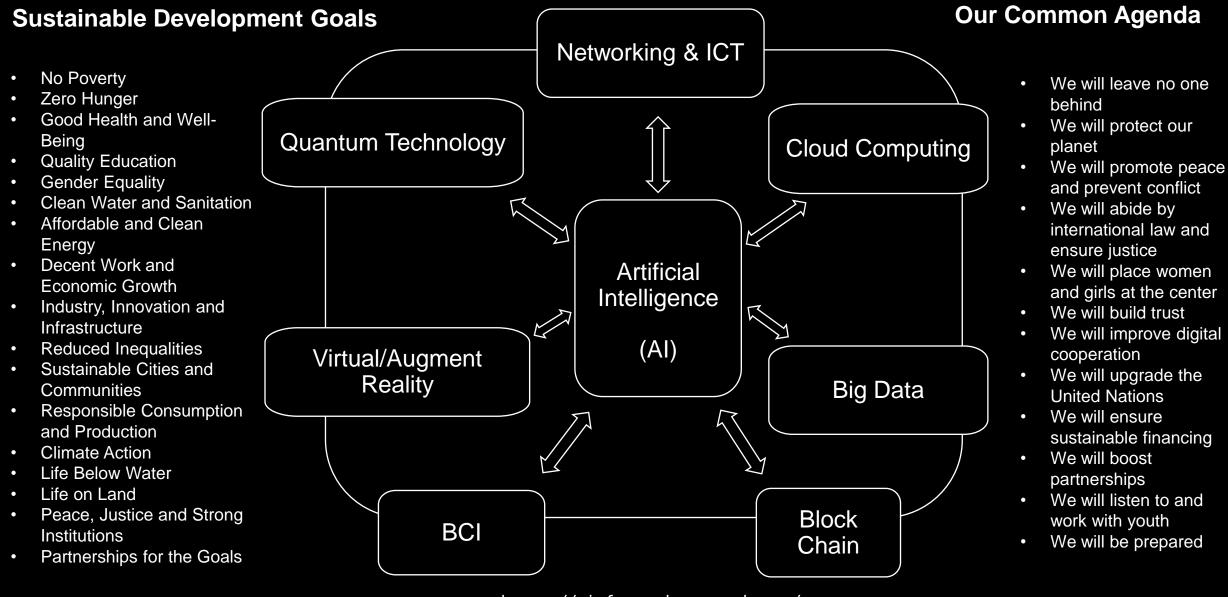
Capacity Building of Digitalization and AI for a Sustainable and Shared Future

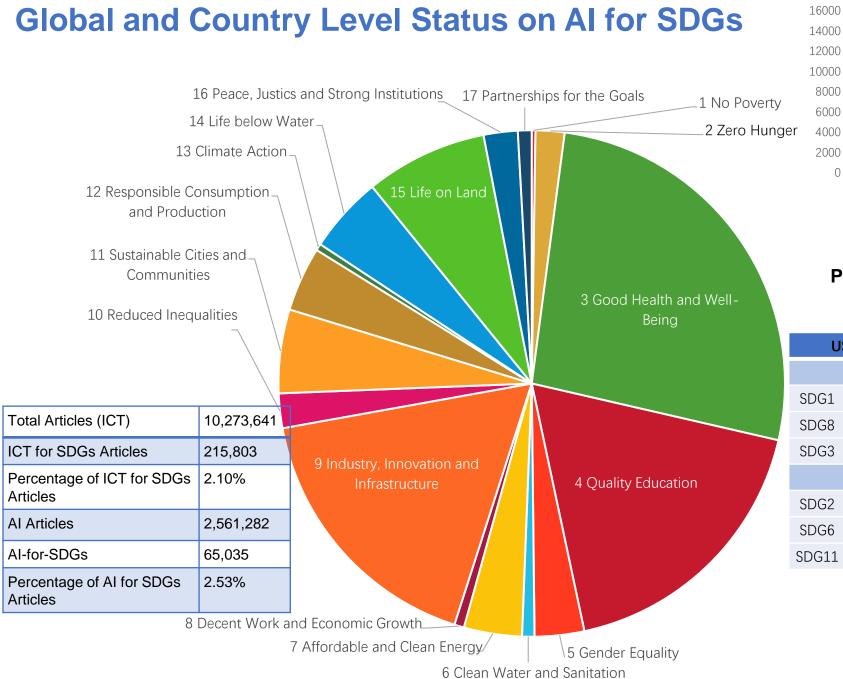
Yi Zeng

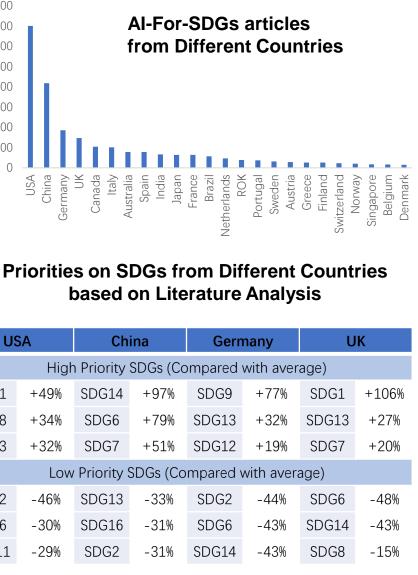
Center for Long-term AI & Chinese Academy of Sciences

Al as the Core for Digital Technologies



https://ai-for-sdgs.academy/



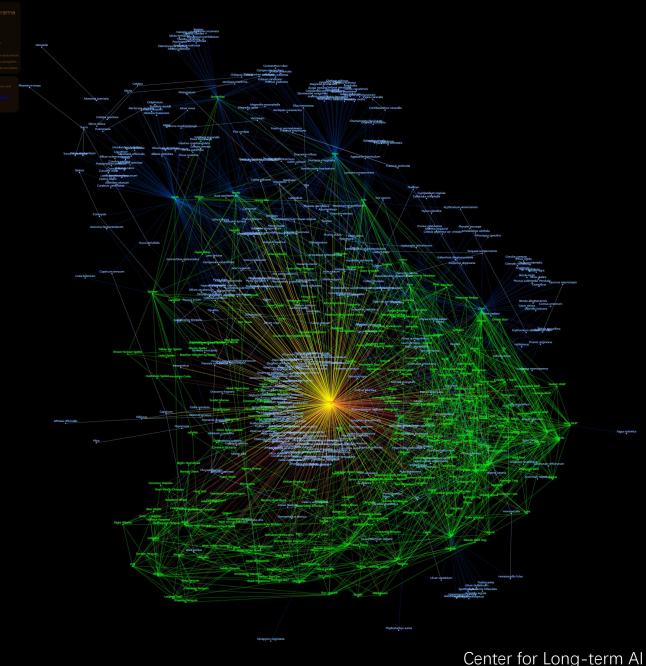


https://ai-for-sdgs.academy

https://agile-index.ai/

Symbiosis Panorama

- Weaving the web of human, animals, plants, and all living beings on their interconnectedness for a sustainable symbiotic society.
- Human, animals, plants, and all living beings are naturally and have already been closely related, while human does not fully aware of these interconnectedness, and protect the interconnections in a sustainable way.
- Enabled by AI to present and protect the natural interconnections among all living beings.



http://symbiosis-panorama.ai-for-sdgs.academy/

Human and Ants in the Symbiosis Panorama

" Human vs Ants 1:1,000,000

Ants and their larvae are eaten in different parts of the world. The eggs of two species of ants are used in Mexican escamoles. In areas of India, and throughout Burma and Thailand, a paste of the green weaver ant (Oecophylla smaragdina) is served as a condiment with curry. Mashed up in water, after the manner of lemon squash, "these ants form a pleasant acid drink which is held in high favor by the natives of North Queensland, and is even appreciated by many European palates".

The French neuroanatomist, psychiatrist and eugenicist Auguste Forel believed that **ant societies were models for human society**. "

Center for Long-term Al http://symbiosis-panorama.ai-for-sdgs.academy/

Cultural Interactions Engine

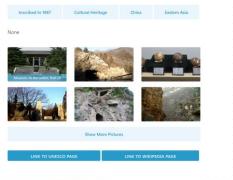
-- Linking People by Cultural Interactions and Exchanges powered by AI

http://cultural-interactions-engine.ai-for-sdgs.academy/



Covering all the UNESCO World Heritages (Cultural: 897, and Natural: 218)

Peking Man Site at Zhoukoudian



Information extracted from Wikidata

Number Of Rooms	Lccn-N82046988	
Office Held By Head Of The Organization	Http://G.Co/Kg/M/03234v	
Commons Category	Zhoukoudian	
Catalog Code	136	
Coordinate Location	Point(115.923888888 39.689166666)	
Name In Kana	しゅうこうてん の ベキンげんじん いせき	
Area	480	
World Heritage Criteria	World Heritage Selection Criterion (VI)	

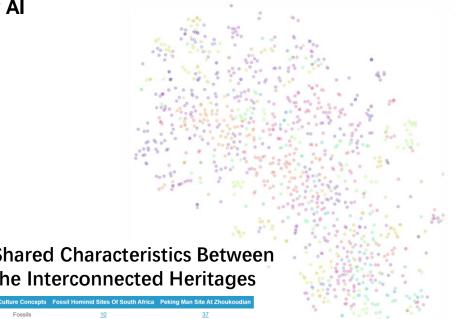
Fossil Hominid Sites of South Africa

The Taung Skull Fossil Site, part of the extension to the site inscribed in 1999, is the place elebrated Taung Skull - a specimen of the species Australopithecu nd. Makapan Valley, also in the site, features in its many archa ents that define the origin and evolution of humanity. Foss enabled the identification of several specimens of early bominids more articularly of Paranthropus, dating back between 4.5 million and 2.5 million years, as we s evidence of the domestication of fire 1.8 million to 1 million years and

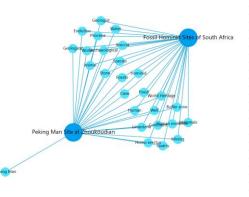


Information extracted from Wikidata

A Similarity Map of World Heritage



Interactive Relation Graph



Shared Characteristics Between the Interconnected Heritages

18

15

10

Fossils

Fossil Cave

Hominid

Human

Species Limestone

Stone

Breccia

Well

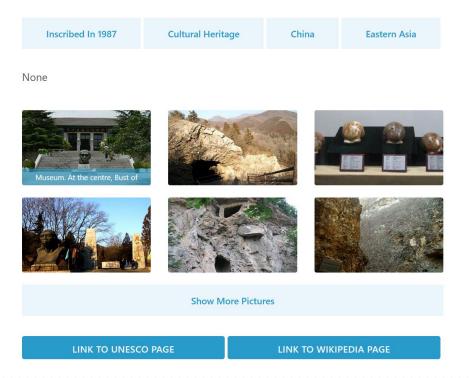
Animal

World Heritag Homo Erectus Archaeologica Continent Geologica Water Quarry Pliocene Human Evolution

> World Geologist Mammals

Evolution Buffer Zone Mining

Peking Man Site at Zhoukoudian



Similarities (By Generative AI):

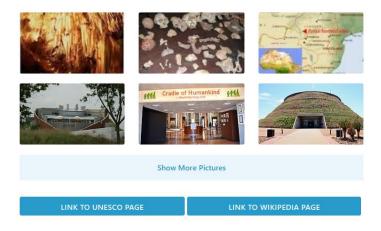
Both 'Fossil Hominid Sites of South Africa' and 'Peking Man Site at Zhoukoudian' are significant archaeological sites that have provided valuable insights into human evolution and the ancient history of hominids.

Fossil Hominid Sites of South Africa

Africa

Inscribed In 1999 Cultural Heritage South Africa

The Taung Skull Fossil Site, part of the extension to the site inscribed in 1999, is the place where in 1924 the celebrated Taung Skull – a specimen of the species Australopithecus africanus – was found. Makapan Valley, also in the site, features in its many archaeological caves traces of human occupation and evolution dating back some 3.3 million years. The area contains essential elements that define the origin and evolution of humanity. Fossils found there have enabled the identification of several specimens of early hominids, more particularly of Paranthropus, dating back between 4.5 million and 2.5 million years, as well as evidence of the domestication of fire 1.8 million to 1 million years ago.



Diversities (By Generative AI):

The dissimilarities between 'Fossil Hominid Sites of South Africa' and 'Peking Man Site at Zhoukoudian' are their geographical locations and the hominid species found. The former is located in South Africa and has fossils of Australopithecus and early Homo species, while the latter is located in China and has fossils of Homo erectus species.

Capacity Building for AI Development and Applications

In all countries, Capacity Building in the public and private sectors is urgently required to facilitate responsible, good and beneficial use of AI.

- Al Engines (Software+Hardware) Foundational models and engines as infrastructures
- Data and Knowledge with Culture Embedding Cultural driven fine tuning of AI models (mandatory: must apply)
- Applications and Services
- **Governance:** use proportionally, risks assessment and prevention, emergency response capacity, off-switches and other stabilization measures, based on cultures with international interoperability.

It is a Human Society and an Ecological World It can be assisted by AI but not driven by AI We do not want AI Everywhere

> Responsible, Steady Development and Proper Use leads to

AI for Human and Ecology Good both for the Near-term and for the Long-term

Thank you!

https://ai-for-sdgs.academy/ https://long-term-ai.center/ https://safe-and-ethical.ai/