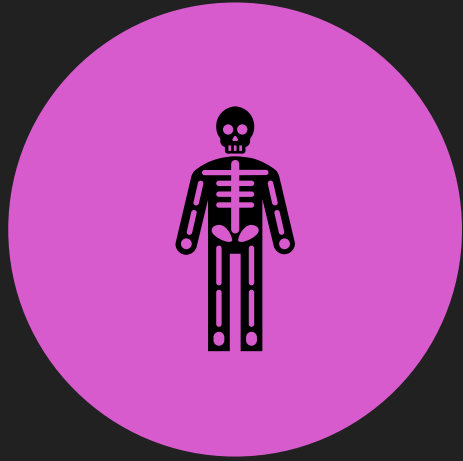
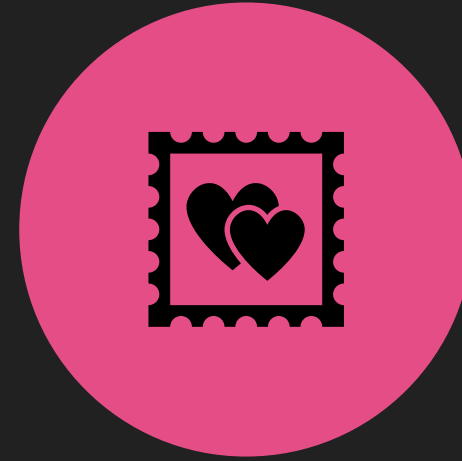


Environmental specialist content on Wikimedia projects

Deryck Chan | Wikimania 2019, Stockholm



**WHAT DO YOU DO IF
YOU'RE A
WIKIMEDIAN AND...**



**ONE DAY, YOU WAKE UP AND
REALIZE THAT YOU HAVE
BECOME AN EXPERT IN A
SCIENTIFIC AREA?**

What's the problem?

Wikipedians are used to careful research (to avoid deletion)

Specialists are used to careful research (to pass the reviewer)

Wikipedians want to write about their specialism on Wikipedia...

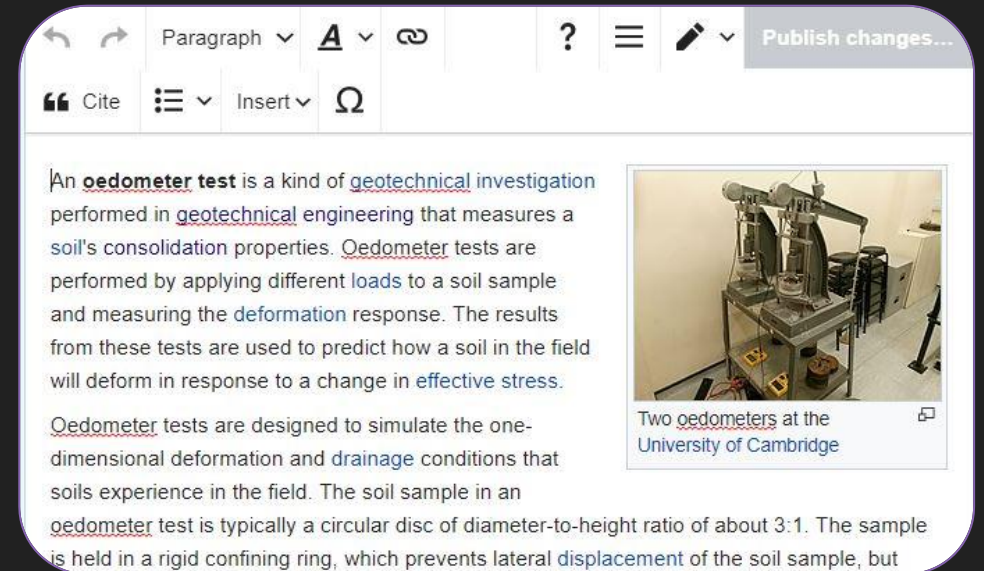
- They look at a blank sheet and have nowhere to start



**An “old
fashioned”
Wikipedian
from 2007 has
come to offer
his solution!**

1. Write first, cite later.

- How did Wikipedia begin?
From barebone “stub” articles
- You are the subject expert
- Most specialist scientific topics are uncontroversial (much less exciting than what you’d expect from the media’s coverage of climate change deniers)



The screenshot shows a Wikipedia article titled "Oedometer test". The text describes the test as a geotechnical investigation performed in geotechnical engineering to measure a soil's consolidation properties. It explains that oedometer tests involve applying different loads to a soil sample and measuring its deformation response. The results are used to predict how a soil in the field will deform in response to a change in effective stress. The article also notes that oedometer tests are designed to simulate one-dimensional deformation and drainage conditions that soils experience in the field. The soil sample is typically a circular disc with a diameter-to-height ratio of about 3:1, held in a rigid confining ring to prevent lateral displacement.

Two oedometers at the University of Cambridge

2. Contribute media.

- Not everybody meets penguins.
- Not everybody can go to your workplace either.
- The most mundane photo or graph from your lab will draw crowds.



土木工程

出自維基百科，自由百科全書

3. Be multilingual.

- Small languages need big help.
- If you know multiple languages, use your power to connect another culture to scientific knowledge.
- (Potentially unpopular opinion: I think you make a greater impact by writing a new article on a broad scientific topic in a small Wikipedia [say language with 1 mil. users] than a narrow topic on the English Wikipedia)

lintHint



A multi-level stack interchange, buildings, houses, and park in Shanghai, China

1-oldest engineering discipline after
d to distinguish non-military

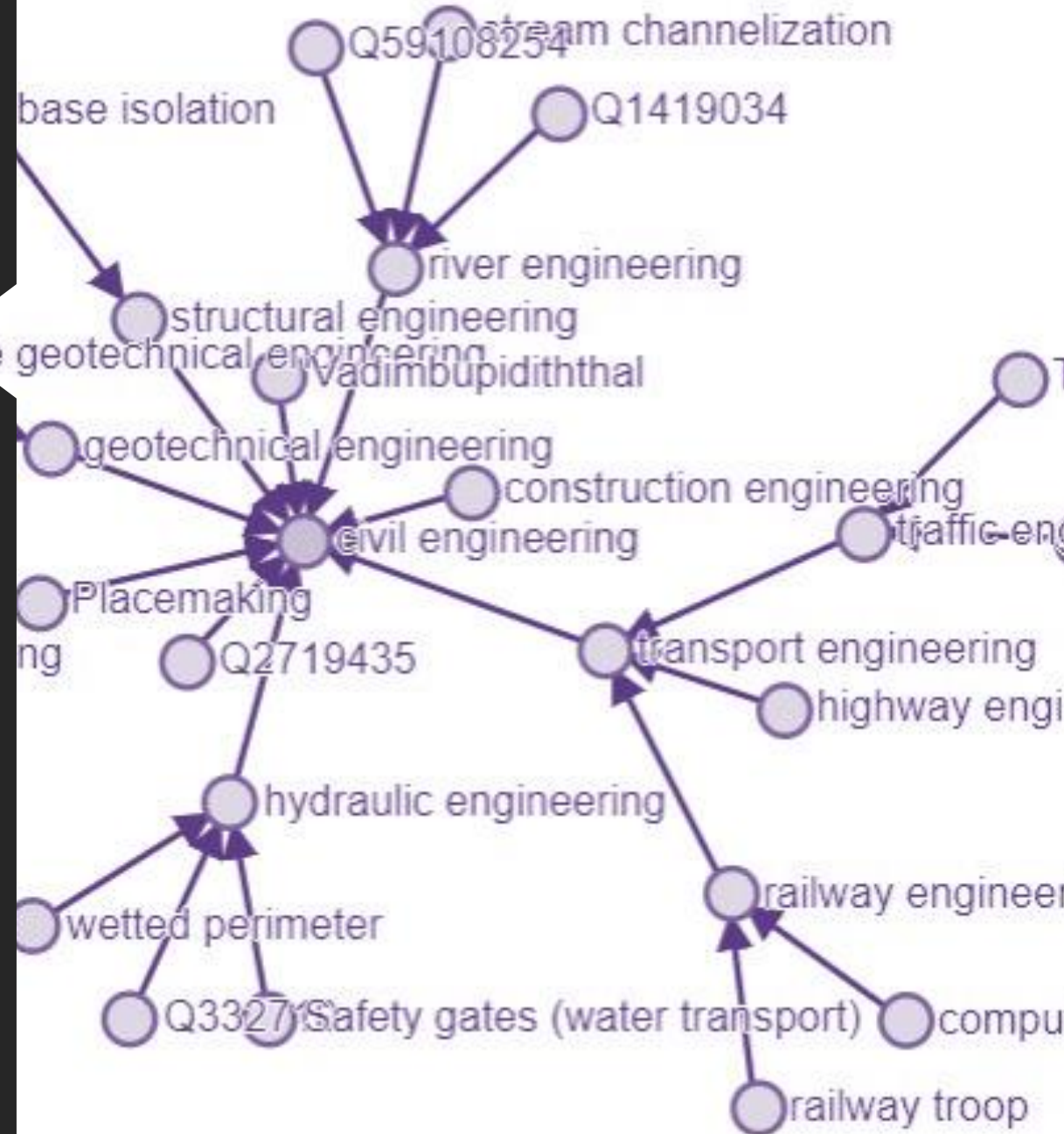
[4] Civil engineering takes place in the

土木工程係工程學嘅一個分支，負責設計、起、同埋維修人類生活嘅地方。嗰啲地方嘅嘢包括土地、樓宇、路、橋等等基礎建設。供水、排污、排洪同埋環境管理^[1]以確保城市同村莊適合人類居住，而且能夠提供生活必需品^[2]。

正因為土木工程涉及成個環境，所以土木工程嘅學科同行業範圍好闊，包涵好多唔同工種，下轄唔少專科。主要專科包括土力工程、結構工程、水利工程、環境工

4. Connect up.

- Structured data is the key to the future of open science
- Link up your topics on Wikidata to help others build on your work across projects
- For multilingual content, Wikidata also works as a lexicon of specialist keywords
- It needs to be discoverable to have impact!



Agree? Disagree? Let's talk



WRITE FIRST,
CITE LATER



CONTRIBUTE
MEDIA



BE
MULTILINGUAL



CONNECT UP

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○ @deryckchan

○ deryckchan@cantab.net

○ Future Infrastructure & Built Environment
research group, Cambridge University

Attributions

- **Attributions:** *Oedometer testing* on English Wikipedia https://en.wikipedia.org/wiki/Oedometer_test
- *Civil engineering* on English Wikipedia https://en.wikipedia.org/wiki/Civil_engineering
- 《土木工程》， 粵文維基百科 <https://zh-yue.wikipedia.org/wiki/土木工程>
- *King Penguin Chick at Salisbury Plain (5719980176).jpg*, Liam Quinn CC-BY-SA-2.0
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