

# Wikipedia as a tool to accelerate adaptation knowledge: Learn how to contribute

#### **Adaptation Futures**

7 October 2021







## **Agenda**

- Welcome and poll
- About CDKN and our Wikipedia journey
  - Emma Baker, SouthSouthNorth
- Wikipedia for researchers, practitioners and communicators
  - Sumana Banerjee, Jadavpur University
- Wikipedia, environmentalism and the open knowledge movement
  - Subodh Kulkarni, Centre for Internet and Society
- Wikipedia coverage of climate adaptation and editing 101
  - Alex Stinson, Wikimedia Foundation
- Next steps and closing



## **CDKN Knowledge Accelerator**

#### Linking knowledge and action on climate change

We tailor the wealth of knowledge on climate change

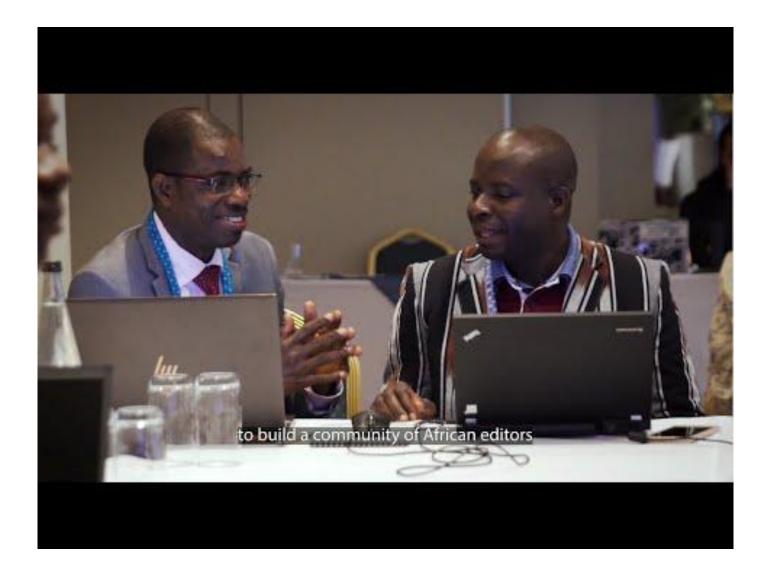
- to match developing country needs,
- support collaboration and learning,
- and empower climate leaders and champions.





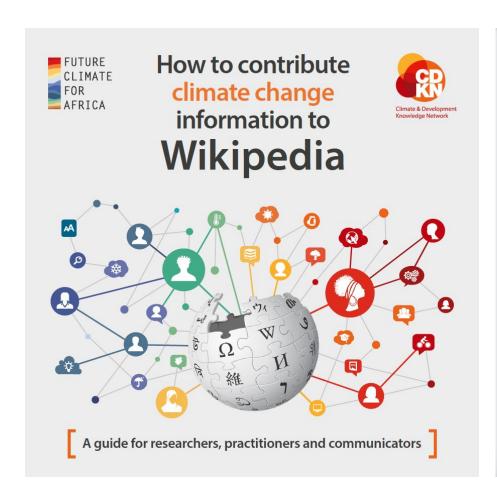


## Africa edit-a-thon





## **Guide for climate professionals**





www.cdkn.org/wikipedia



### Wiki4Climate edit-a-thon







# Wikipedia for climate change researchers, practitioners and communicators

Sumana Banerjee

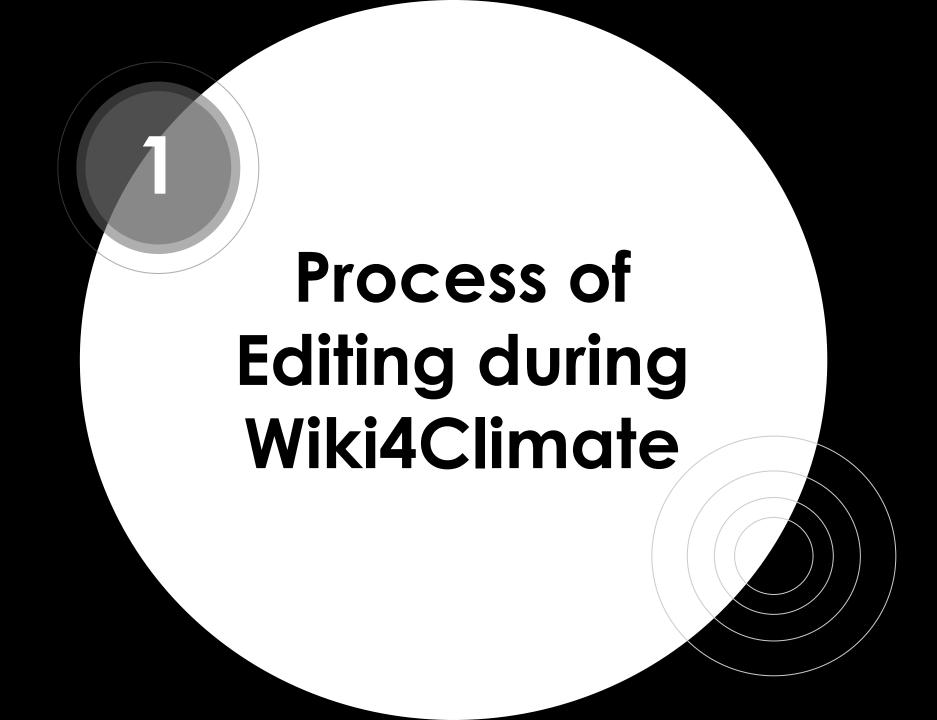


# 9 Hello!

#### I am Sumana Banerjee

I am a Project Manager and a Researcher on Climate Change.

Based out of **Jadavpur University**, and currently working on the **UKRI-GCRF Living Deltas Hub**, my study area is the **Indian Sundarban delta** 



## Well planned across stages

#### Before the event

Intimidating

Guidance provided through Guidebook

#### **During the event**

Easy, quick, and rewarding

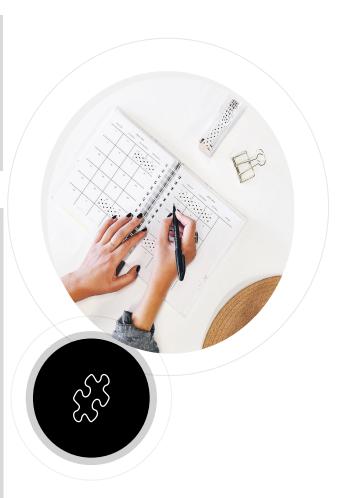
Guidance provided in real-time

Live demonstration of editing

Etiquette to avoid "edit-wars"

Communication is the key

Round-the-clock guidance from mentors on Slack workroom





# What did I edit?

Valuable for different groups

#### Researchers

Increase citations (own and peers)

Opportunity to update new evidence faster

#### Managers

Extension of succinct report writing Research findings in a nutshell

#### **Communicators**

Easy communication to a wider audience Flexibility of communication across languages



# Local evidences on a global platform

Climate Change Adaptation
Gender and Climate Change
Gendered impacts of Cyclones
Indian Sundarban delta







# **EMPOWERED**

To make knowledge more accessible

To highlight local evidences

To give back to Wikipedia

# Thanks!

#### Any questions?

You can find me at @SumanaB2401 (Twitter) sumana.ju.ld@gmail.com



# Wikipedia, environmentalism and the open knowledge movement

Subodh Kulkarni



#### Wikimedia projects for Community based Environmental Documentation & Social Audit

Access
To
Knowledge

To address the important challenge of climate change and sustainable Knowledge development, we need substantial, good quality and reliable information on issues pertaining to the environment, livelihoods and public health.

Develop a methodology for generating open, publicly accessible knowledge databases through broad participation of local people from all segments of the society. The methodology is as follows -

- Working directly with people in their own languages, as well with networks of civil society organizations with environmental concerns and Government departments
- Involving educational institutions
- Organizing reliable datasets generated in a transparent fashion, making them available to the public through Wikimedia projects & other websites
- Original observations on the focal themes of this project, in the form of narratives, text, quantitative data, images and video-clips
- To facilitate the process, the project would develop an appropriate framework in the form of training material such as powerpoint presentations & video tutorials

#### **Environmental documentation initiatives on Wiki**



Access To Knowledge

Project Jalbodh (Water knowledge repository on Wiki): Knowledge about water issues, status of rivers, laws & regulations on water etc. -

Exploring Wikimedia platforms in Dialogue on the Urban Rivers of Maharashtra

Workshop of river activists at Tarun Bharat Sangh, Bhikampura, Rajasthan Wikimedia Workshop on Rivers under Project Jalbodh Partnerships under Project Jalbodh - Knowledge resource on Water

- Documentation of natural disasters 2019 flood in Sangli
   2021 floods in Satara
- Thematic Workshops Women's workshop on Climate change



#### **Environmental documentation initiatives on Wiki**



- Content enrichment on environmental issues: Relicensing of books on community forest management, Biodiversity conservation & sustainable harvesting of forest produce -Category:Books published by Vrikshamitra
- Content enrichment on Water issues: Relicensing of books on rivers, water acts & policies, environmental issues etc -Category:Books published by Tarun Bharat Sangh, India
- Content generation on biodiversity https://meta.wikimedia.org/wiki/CIS-A2K/Events/Content\_generation\_works
   hops\_with\_Maharashtra\_Gene\_Bank\_project\_team





Some images....







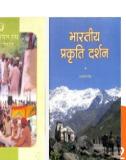














# Wikipedia coverage of climate adaptation and editing 101

Alex Stinson, Wikimedia Foundation

Twitter: @Sadads

#### What do we know so far?

- 3,470+ articles on English
- 7 language Wikipedias organizing content groups
- Community group forming around Wikimedians for Sustainable Development





#### Wikiproyecto: Cambio climático

11 revisions since 2021-02-16 (+6 days), 4 editors, 309 pageviews (30 days), created by: Scann (4,964) · See full page statistics

Wikiproyecto

Tareas y recursos

Lista de segui

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El Wikiproyecto Cambio climático es un wikiproyecto para trabajar en la cobertura de los artículos vinculados al cambio climático. El foco principal del proyecto son los artículos relacionados con el cambio climático antropogénico, incluyendo:

- Causas y efectos físicos del cambio climático antropogénico
- Impactos, consecuencias y efectos del cambio climático en el mundo en general, incluyendo la biósfera
- Impactos, consecuencias y efectos del cambio climático sobre los humanos
- Mitigación y adaptación al cambio climático, incluyendo geo-ingeniería y otras prácticas
- Políticas públicas alrededor del cambio climático, incluyendo mecanismos de financiamiento
- · Opinión pública y manifestaciones activistas alrededor del cambio climático
- · Ciencia del cambio climático

Si tienes alguna pregunta o propuesta, puedes dejar un mensaje en la página de discusión. Si quieres participar, agrega tu nombre a la lista de participantes. Luego revisa las tareas y recursos para encontrar algunas maneras en las que puedes ayudar. (Gracias!

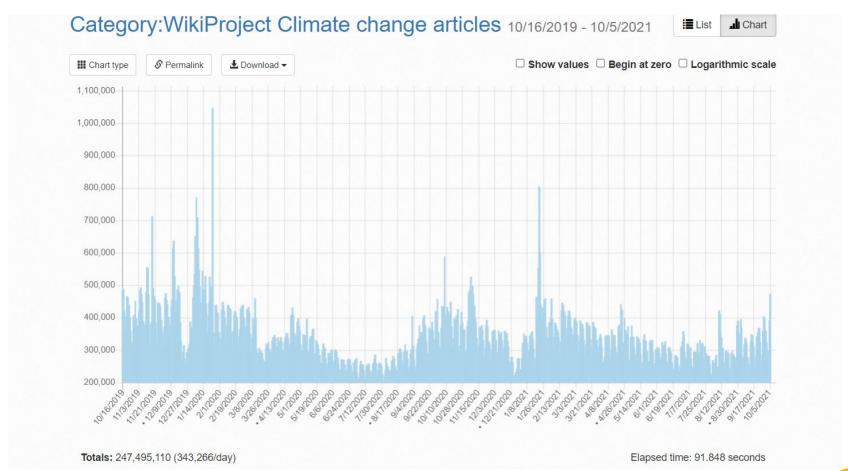
#### Cambios recientes

En esta sección se muestran los cambios recientes a los artículos en la lista de seguimiento del wikiprovecto

WIKIMEDIA



# 2 years = ~ 250 million pageviews of climate-specific content on English





# What kind of scale of impact are we talking about?

Wikipedia articles explicitly about climate change topics in one year

```
English Wikipedia Pageviews: 125 million(~ 40%)
Other Wikipedia Pageviews: 166 million(~ 60%)
# of articles across language: 18478 (at time ~3000 were
English)
```



#### What about the millions of other pageviews to paragraphs or sections also about climate change?

and international organisations to reduce insecticide use in rice,-

#### Climate change [edit | edit source ]

This section is an excerpt from Climate change in Bangladesh § Agriculture. [edit]

In most countries like Bangladesh, yields from rain-fed agriculture was predicted to be reduced to 50% by 2020. [citation needed] For a country with increasing population and hunger, this will have an adverse effect on food security. Although the effects of climate change are highly variable, by 2030, South Asia could lose 10% of rice and maize yields, while neighboring states like Pakistan could experience a 50% reduction in crop yield.

As a result of all this, Bangladesh would need to prepare for long-term adaptation, which could be as drastic as changing sowing dates due to seasonal variations. introducing different varieties and species, to practicing novel water supply and irrigation systems. [29]: 230 Bangladeshi farmers have been adapting to rising water levels by making creative floating gardens which mesh water hyacinth plants with bamboo and fertilizer to provide a sturdy floating platform for agriculture, according to climate researcher Alizé Carrère. [30]

Being an agrarian society, people of Bangladesh are greatly dependent on various forms of agriculture. It is the main source of rural job in the country having over 87% people somewhat related to agri-based economy. [31] In 2016, according to World Bank, agriculture contributed to 14,77% of country's GDP. A steady increase in agricultural production with the use of modern equipment and scientific methods, agriculture has been a key driver to eradicate rural poverty in Bangladesh. The risk of sea level rising and global warming is the biggest challenge not only to country's agricultural improvement but also the success on poverty reduction.

As agricultural production is heavily related with temperature and rainfall, the current change in weather conditions is creating negative impact on crop yielding and the total area of arable land has been decreased. According to a report published by the Ministry of Environment and Forests - GoB, 1 degree Celsius increase in maximum temperature at vegetative, reproductive and ripening stages there was a decrease in Aman rice production by 2.94, 53.06 and 17.28 tons respectively. [32] Another major threat deriving from this factor is water salinity which directly affects rice production especially in the coastal part of Bangladesh. The same report state that, the country will lose 12-16% of its land if the sea level rises by 1 meter. These challenges lead to food scarcity and insecurity for the huge populace of the country. There are several adaptation measures which are practised to cope up with the abnormal behaviour of climate such as: resilient varieties of crops, diversification, change in cropping pattern, mixed cropping, improved irrigation facility, adopting soil conservation, agroforestry and so on. [33]



Agriculture in Bangladesh

A number of these measures have already been adapted by the government of Bangladesh and well practised throughout the country. The Bangladesh Rice Research Institute has introduced a varieties of saline tolerant rices like BR-11, BR-23, BRRI rice -28, BRRI rice -41, BRRI rice -47, BRRI rice -53 and BRRI rice -54. In the drought prone areas, BR-11, BR-23, BRRI rice -28, BRRI rice -41, BRRI rice -47, BRRI rice -53 and BRRI rice -54 are used which take short time to cultivate. To make the best and efficient utilization of water the Department of Agricultural Extension has introduced 'Alternate Wetting and Drying (AWD). [32] The government also provide financial support to the affected farmers from different disasters and hazards



# Wikipedia

What exactly is it, anyway???

# What is Wikipedia?

Wikipedia is a multilingual, web-based, free encyclopedia based on a model of openly editable content. It is the largest and most popular general reference work on the Internet. [Wikipedia] is supported by the Wikimedia Foundation, a non-profit organization which operates on money it receives from donors.

From Wikipedia (en)





## Wikipedia Policies

(N)otability - significant independent sources -> encyclopedic relevance(V)erifiability - Use reliable sources to reference information

(NOR) No original research - point to existing authoritative opinions

(NPOV) Neutral Point of View - summarize the key points





# What exactly would a good edit look like?

#### **Petroleum**

Petroleum (pronounced-/pe-trouliem/), also called crude oil or just oil, is a naturally occurring, yellowish-black liquid found in geological formations beneath the Earth's surface. It is commonly refined into various types of fuels. Components of petroleum are separated using a technique called fractional distillation, i.e. separation of a liquid mixture into fractions differing in boiling point by means of distillation, typically using a fractionating column. It consists of naturally occurring hydrocarbons of various molecular weights and may contain miscellaneous organic compounds. The name petroleum covers both naturally occurring unprocessed crude oil and petroleum products that are made up of refined crude oil. A fossil fuel, petroleum is formed when large quantities of dead organisms, mostly zooplankton and algae, are buried underneath sedimentary rock and subjected to both intense heat and pressure.



It consists of naturally occurring hydrocarbons of various molecular weights and may contain miscellaneous organic compounds: [4] The name petroleum covers both naturally occurring unprocessed crude oil and petroleum products that are made up of refined crude oil. A fossil fuel, petroleum is formed when large quantities of dead organisms, mostly zooplankton and algae, are buried underneath sedimentary rock and subjected to both intense heat and pressure.

Petroleum has mostly been recovered by oil drilling (natural petroleum springs are rare). Drilling is carried out after studies of structural geology (at the reservoir scale), sedimentary basinanalysis, and reservoir characterisation (mainly in terms of the porosity and permeability of geologic reservoir structures) have been completed: [2][3] It is refined and separated, most easilyby distillation, into numerous consumer products, from gasoline (petrol), diesel-and kerosene to asphalt and chemical reagents (ethylene, propylene, butene; [4]-acrylic acid; [5][6][7]-paraxylene [8]) used to make plastics, pesticides and pharmaceuticals: [9]-Petroleum is used in manufacturing a wide variety of materials; [10]-and it is estimated that the world consumes about
100 million barrels each day.

Petroleum has mostly been recovered by oil drilling (natural petroleum springs are rare). Drilling is carried out after studies of structural geology (at the reservoir scale), sedimentary basin analysis, and reservoir characterisation (mainly in terms of the porosity and permeability of geologic reservoir structures). [2][3] Recent improvements to technologies have also led to exploitation of other unconventional reserves such as oil sands and oil shale. Once extracted, oil is refined and separated, most easily by distillation, into numerous products for direct use or use in manufacturing, such as gasoline (petrol), diesel and kerosene to asphalt and chemical reagents (ethylene, propylene, butene, [4] acrylic acid, [5][6][7] para-xylene [8]) used to make plastics, pesticides and pharmaceuticals. [9] Petroleum is used in manufacturing a wide variety of materials, [10] and it is estimated that the world consumes about 100 million barrels each day. Petroleum production can be extremely profitable and has been important for economic development in the 20th century, with some countries, so called "oil states", gaining significant economic and international power because of their control of oil production.

Petroleum exploitation has significant negative environmental and social consequences. Most significantly, the petroleum industry is one of the major contributors to climate change, and parts of the petroleum industry actively suppressed science and policy to prevent the climate crisis. Other negative environmental effects include the environmental impacts of exploration and exploitation of petroleum reserves, such as oil spills, and air and water pollution at the sites of utilization. All of these environmental impacts have direct health consequences for humans. Socially, oil has also been a source of conflict leading to both state-led-wars and can fuel other conflicts (for example, oil revenue funded the Islamic State of Iraq and the Levant). Production of petroleum is expected to reach peak oil before 2040 as global economics reduce dependencies on petroleum as part of climate change mitigation and a transition towards renewable energy and electrification. [11] This is expected to have significant economic impacts that stakeholders argue need to be anticipated in a just transition and addressing the stranded assets of the petroleum industry.

An oil retinery in Mina Al Anmac Kuwait.

Etymology



#### Chesapeake Bay: Difference between revisions [edit | edit | ource]

A B-class article from Wikipedia, the free encyclopedia

Coordinates: @ 37

3 (3) 2,021 revisions since 2002-06-25 (+9 hours), 1,039 editors, 195 watchers, 23,353 pageviews (30 days), created by: DavidLevinson (15,160) · See full page statistics

#### Browse history interactively



#### [restore this version]

Revision as of 03:05, December 16, 2020 (edit)

Dr. Van Nostrand (talk | contribs | block) **m** (punctuation, spelling, and link to pages) (change visibility)

(Tag: Visual edit)

← Previous edit

[rollback (AGF)] || [rollback] || [vandalism]

Latest revision as of 12:15, December 16, 2020 (edit) (undo)

Sadads (talk | contribs | block) [rollback: 2 edits]

(→Climate change: adding a bit more) (change visibility)

(Tag: Visual edit)

(One intermediate revision by the same user not shown)

A

It took too long to compute your changes, so the description below may not be optimal.

The Bay is approximately 200 miles (320 km) long from its northern headwaters in the Susquehanna River to its outlet in the Atlantic Ocean. It is 2.8 miles (4.5 km) wide at its narrowest (between Kent County's Plum Point near Newtown in the east and the Harford County western shore near Romney Creek) and 30 miles (48 km) at its widest (just south of the mouth of the Potomac River which divides Maryland from Virginia). Total shoreline including tributaries is 11,684 miles (18,804 km), circumnavigating a surface area of 4,479 square miles (11,601 km²). Average depth is 21 feet (6.4 m), reaching a maximum of 174 feet (53 m). The Bay is spanned twice, in Maryland by the Chesapeake Bay Bridge from Sandy Point (near Annapolis) to Kent Island and in Virginia by the Chesapeake Bay Bridge—Tunnel connecting Virginia Beach to Cape Charles.

Known for both its beauty and bounty, the Bay has become "emptier", with fewer crabs, oysters and watermen (fishermen) since the mid-20th century. [4] Nutrient pollution and urban runoff have been identified as major components of impaired water quality in the bay. The stressing ecosystems and compounding the the decline of shellfish populations has also been linked due to overharvesting overharvesting. Restoration efforts that began in the 1990s have continued into the 21st century and show potential for growth of the native oyster population. [5][6] The health of the Chesapeake Bay improved in 2015, marking three years of gains over a four year period, according to a 2016 report by the University of Maryland. [7] The bay is experiencing other environmental concerns, including climate change which is causing sea level rise which is eroding coastal areas and infrastructure and causing changing to the marine ecosystem. [8] These changes have already changed the coastline eroding islands like Holland Island and threatening local infrastructure and economies.



#### **Benin City**

#### Environmental issues

#### Climate change

The city is already feeling the effects of climate change, with increases and temperature, humidity and precipitation trends between 1981 and the 2015.<sup>[37]</sup>

#### Flood management

Benin city experiences regular flooding.<sup>[38]</sup> Studies have consistently highlighted the problem since at least 1993.<sup>[39]</sup> Experts have recommended a number of ways to improve flood management, including better controls on land use, construction and development,<sup>[39]</sup> improved Community-based programs designed to improve city adaptation and disaster management,<sup>[38]</sup> and improvements in individual preparedness.<sup>[40]</sup>

In June 2020, a significant number of communities and individuals were left homeless because of city flooding. [41] At the time, residents and the city blamed poor storm drains and a failure to continue flood adaptation programs. [41]

#### **Urban heating**

The city, on average is .5 degrees Celsius warmer than the surrounding rural areas, and these temperature differences are greater during workweeks when human activity increases pollution in the urban area.<sup>[42]</sup>

#### Waste management

A 2021 study published in *Nature*, highlighted that the city has not met the standards for waste management set by the Edo State Waste Management Board. After surveying 2720 inhabitants of the city, the authors found that most people in the city didn't understand proper waste management practices. [43] Moroever, the study found that survey participants didn't understand how waste management was connected to other issues like greenhouse gas emissions. [43] An additional study, found that most residents didn't understand the health impacts of bad waste management.

Carltonia





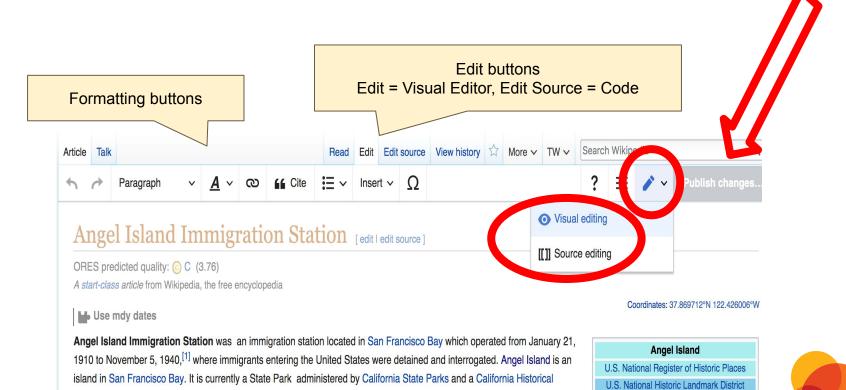
# What was it you showed us?

#### Edit w/ Visual Editor = What you see is what you get (mostly)

- 1. Locate article on work list
- 2. Select 'Edit' to use Visual Editor, 'Edit Source' for Source editing
  - 3. Unsure if you are in Visual Editor?

Select the Pencil (red arrow), select 'Visual editing'

4. Edit as you would in a word processor

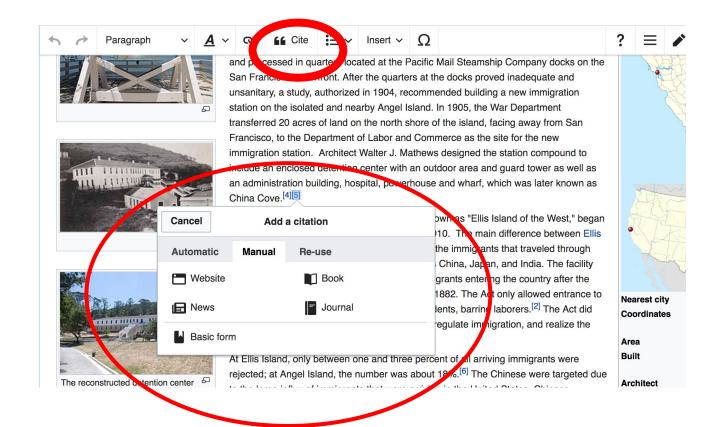


Landmark. The island was originally a fishing and hunting site for Coastal Miwok Indians, then it was a haven for Spanish

explorer Juan Manuel de Ayala. Later, it was developed as a cattle ranch, then, starting with the Civil War, the island served as a

## Cite your sources

# Place cursor in desired location, select 'Cite' Follow prompts



## **Adding Sections**

#### Immigrant perspectives

The predominantly Chinese immigrants who were detained at Angel Island were not welcomed in the United States. As recounted by once the individual states, they locked us up like criminals in compartments like the cages at the zoo." Held in these "cages" for weeks, often months, individuals were subjected to rounds of long and stressful interrogations to assess the legitimacy of their immigration applications. Immigrants were made to recall minute details of their lives. On occasion, translators may have not have spoken the particular dialect of the immigrant competently; most Chinese immigrants were from southern China at that time, many spoke Cantonese. It was difficult to pass the interrogations, and cases were appealed many times over before one could leave the island and enter the United States. Often, successful immigrants produced elaborate instruction manuals that coached fellow detainees in passing interrogations; if anyone was caught with these manuals, they would most likely be deported. Those that failed these tests often feared the shame of returning to China, and some would commit suicide - either before leaving and or on the voyage back to their homeland. [10]



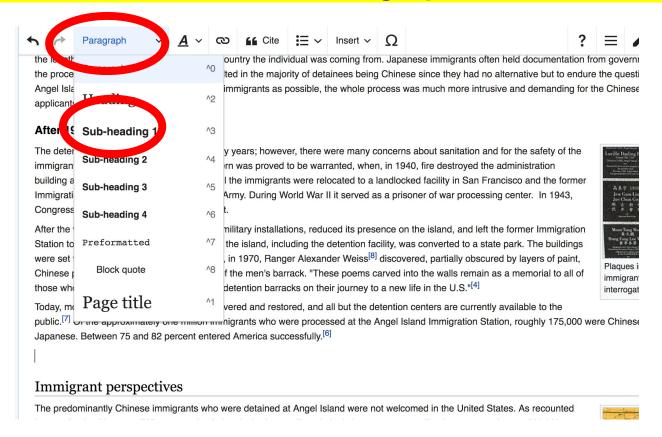
Detained Chine carved poems the immigration

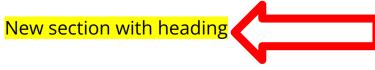
Many of the detainees turned to poetry as expression, spilling their emotions onto the very walls that contained them. Many of these poems were written in pencil and ink, or in brush, and then carved into the wooden walls or floors.<sup>[11]</sup> Some of the poems are bitter and angry, placid and contemplative, or even hopeful.

America has power, but not justice.

## **Adding Sections**

#### 1. Place cursor 2. Select 'Paragraph' 3. Select 'Heading'

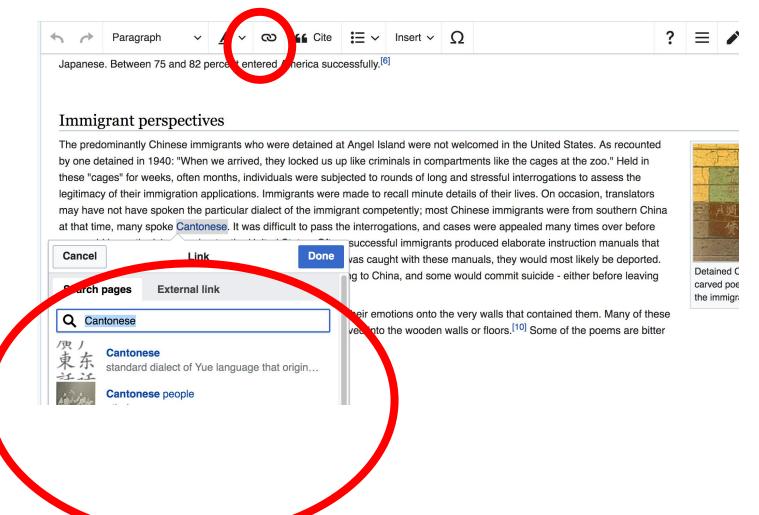






### Create links between articles

Select text 2. Select link icon 3. Select article and 'Done'



#### https://w.wiki/356S

# Join us for editing!

#### Wikipedia: WikiProject Climate change [edit source]



C

Portal - Category - WikiProject - Alerts - Stubs - Assessment - To-do

Points of interest related to Climate change on Wikipedia:

## www.cdkn.org

This work was carried out with the aid of a grant from the Ministry of Foreign Affairs of the Netherlands and the International Development Research Centre (IDRC), Canada, as part of the Climate and Development Knowledge Network (CDKN) Programme. The views expressed herein do not necessarily represent those of the Ministry of Foreign Affairs of the Netherlands, or of the International Development Research Centre (IDRC) or its Board of Governors, or of the entities managing CDKN.

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