

#ThinkClima – Lobbying for (in)action May 26 - 27, 2021

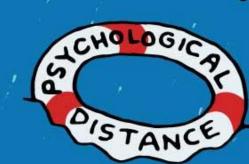
Bärbel Winkler



# Why are resources to fight misinformation needed?







E POLARIZATION E



#### List of and links to Resources



Skeptical Science https://sks.to



MOOC Denial101x https://sks.to/Denial101x



History of FLICC https://sks.to/FLICC



FLICC Poster https://sks.to/FLICC-poster



The Conspiracy Theory
Handbook
https://sks.to/conspiracy



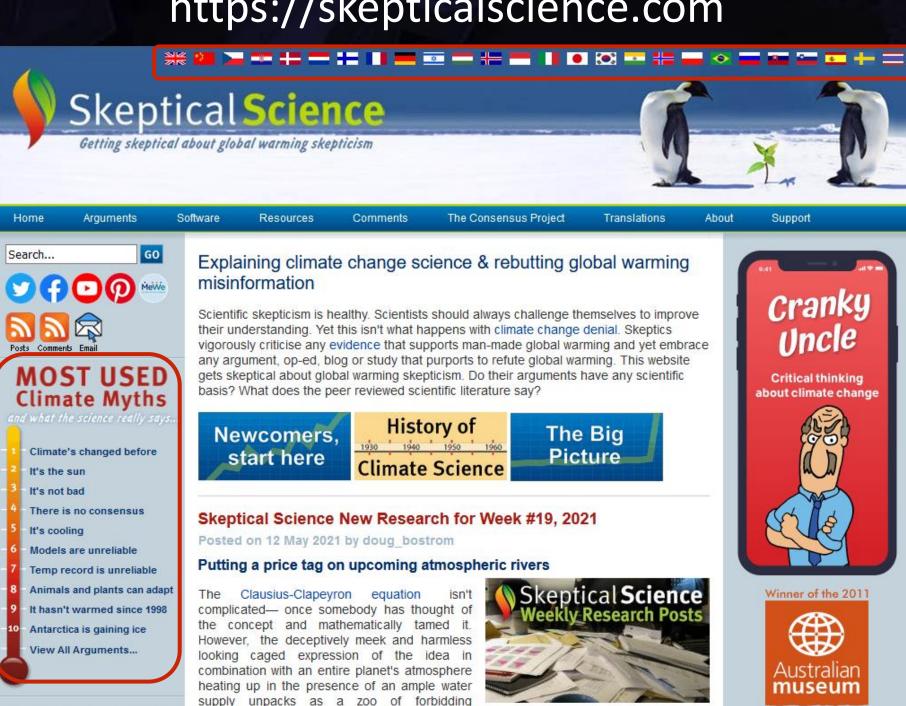
The Debunking
Handbook 2020
https://sks.to/db2020



Cranky Uncle
Game and Book
https://crankyuncle.com

#### **Skeptical Science**

https://skepticalscience.com







climate change

knowledge



Capturing and quantitatively describing details of how our climate train wreck is going to unfold is in some ways even more difficult than establishing root cause principles such as the Clausius-Clapeyron.equation. A lot of previous work in disparate disciplines has first to

complications for us humans and our built environment.

#### **Skeptical Science**

https://sks.to/AGU2020-poster



The story of Skeptical Science: How citizen science helped to turn a website into a go-to resource for climate science

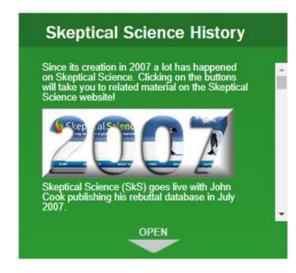
Bärbel Winkler (1) and John Cook (1, 2)

1. Skeptical Science, 2. George Mason University









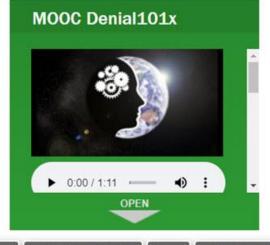


#### **About John Cook**

John Cook originally earned a Bachelor of Science at the University of Queensland, achieving a First Class Honors with a major in physics. He obtained a PhD in cognitive psychology at the University of Western Australia, with the thesis "Closing the a research assistant professor at the Ce George Mason University, with a research focus on developing communication and educational strategies to counter

The story of Skeptical Science How citizen science helped to turn a website into a go-to resource for climate science

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NARRATION AUTHOR INFORMATION ABSTRACT REFERENCES CONTACT AUTHOR PRINT GET IPOSTER

#### Denial101x - Making sense of climate science denial

#### 3 ELEMENTS TO AN EFFECTIVE DEBUNKING

Lectures
follow the
Fact-MythFallacy
structure of
effective
debunking

Interactive exercises which often trigger discussions in the forums

Massive
Open
Online
Course



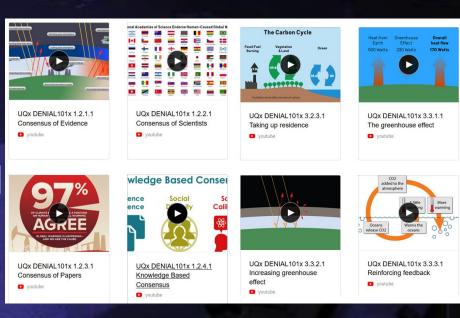
**40 e**xpert interviews to go along with the lectures

**40.000**+ participants

from
180+
countries
since 2015

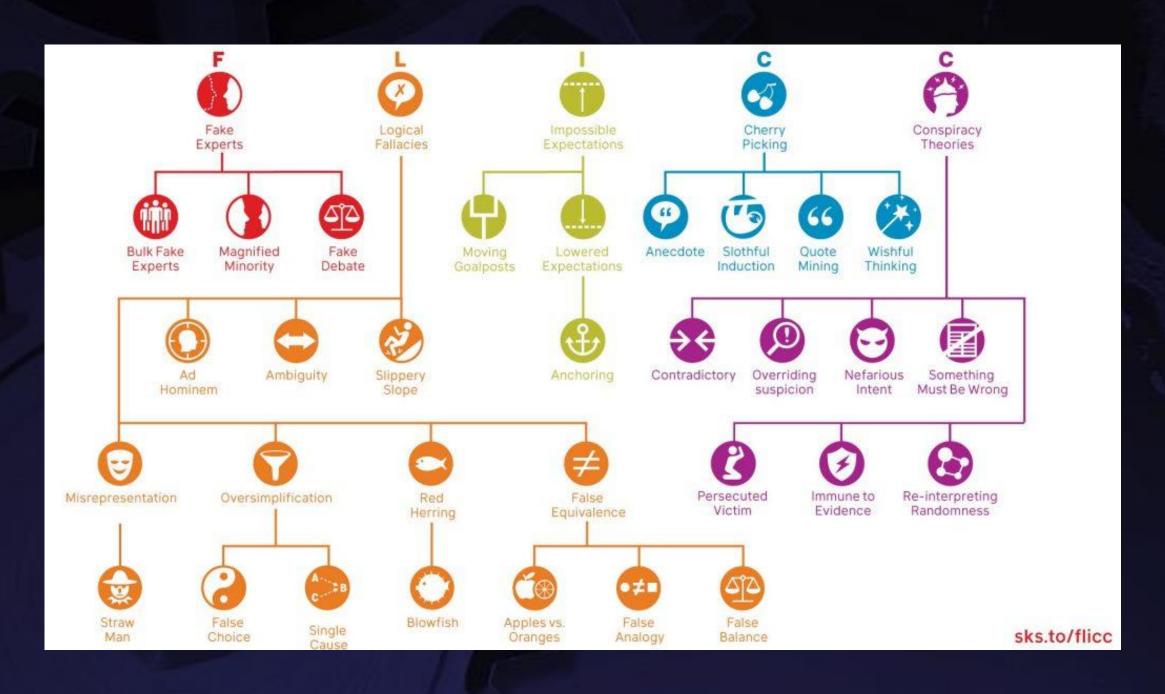


about climate science and debunking misconceptions



#### FLICC – the techniques of science denial

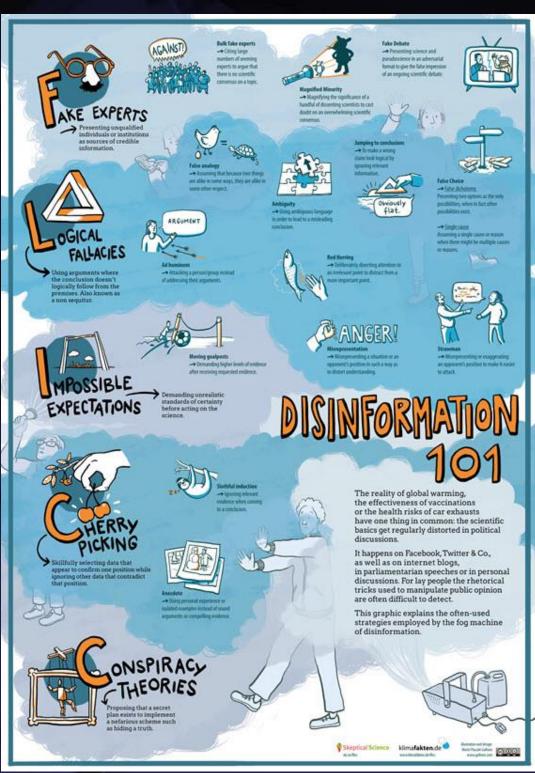
https://sks.to/flicc





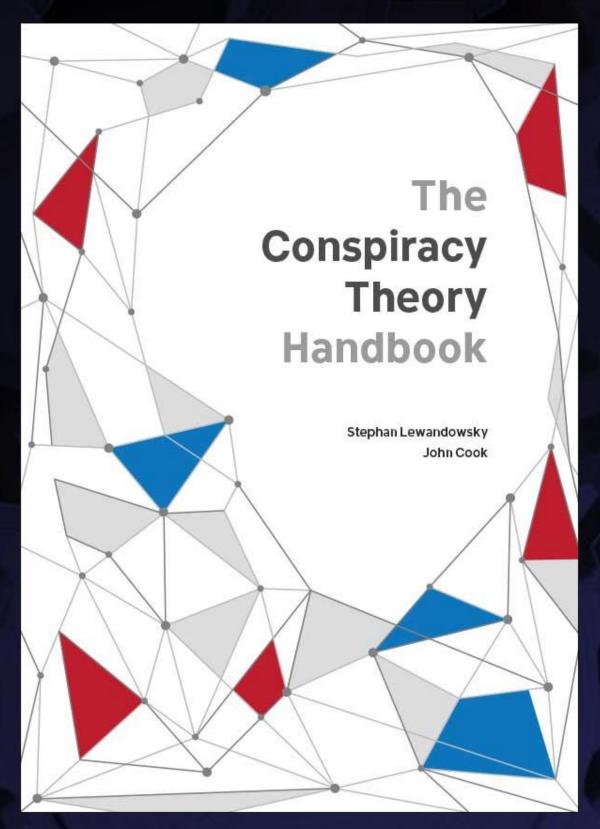
#### The FLICC Poster

https://sks.to/FLICC-poster



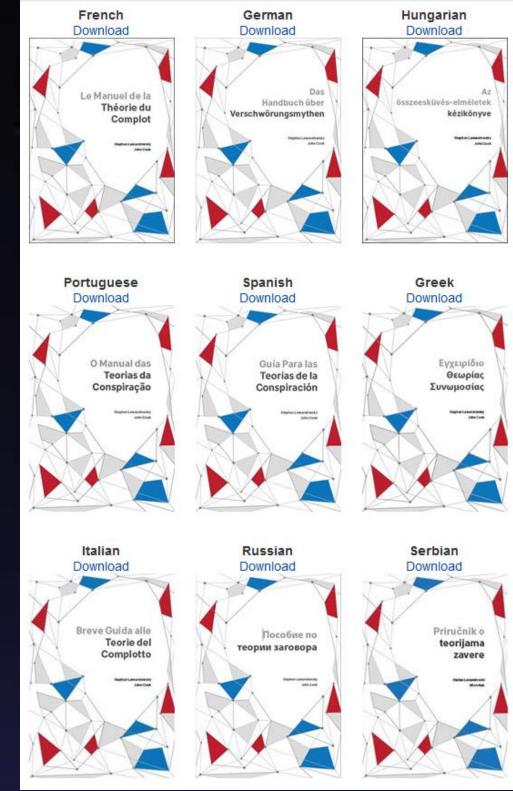


# The Conspiracy Theory Handbook



https://sks.to/conspiracy





### The seven traits of conspiratorial thinking

#### TRAITS OF CONSPIRATORIAL THINKING

C



Contradictory

0



Overriding suspicion

N



Nefarious Intent S



Something Must Be Wrong P



Persecuted Victim



Immune to Evidence

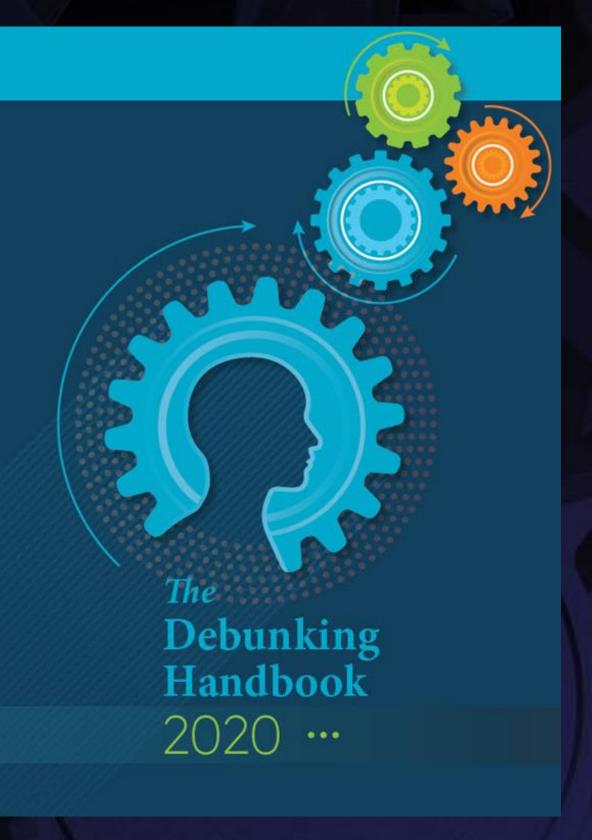
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Re-interpreting Randomness

sks.to/conspiracy

## The Debunking Handbook 2020



https://sks.to/db2020





#### The Debunking Handbook 2020

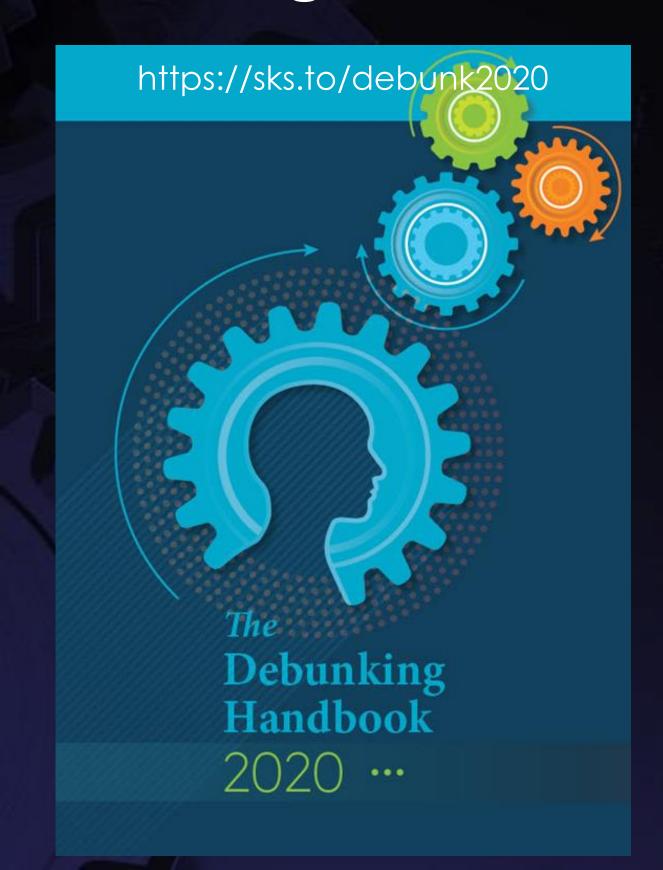




https://sks.to/debunk2020-part3

#### The elusive backfire effects

"On balance, recent evidence provides no reason to avoid debunking for fear of a backfire effect. Debunking is likely to be at least partially effective, except for some limited circumstances when people's worldviews are being challenged."





https://sks.to/debunk2020-part4



#### Cranky Uncle Game – https://crankyuncle.com/game







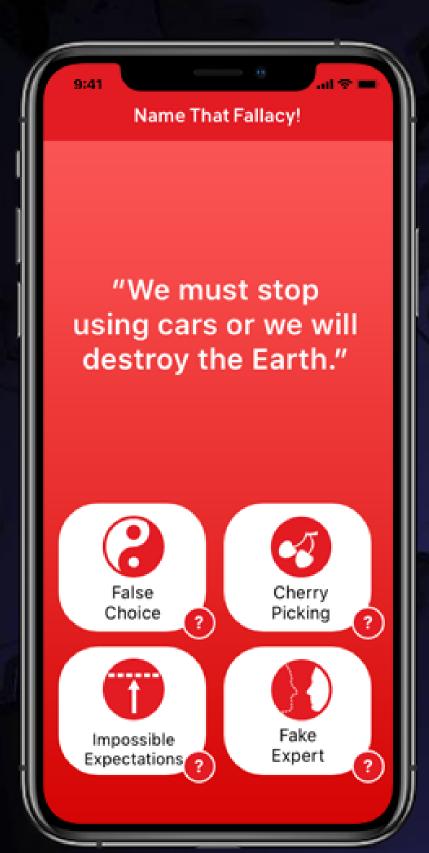
#### **Cranky Uncle Game**







#### **Cranky Uncle Game**







- The Teachers' Guide to Cranky Uncle includes the scientific basis for the game
- It also has suggestions for interactive class activities
- You can request a group code via https://sks.to/crankyclass

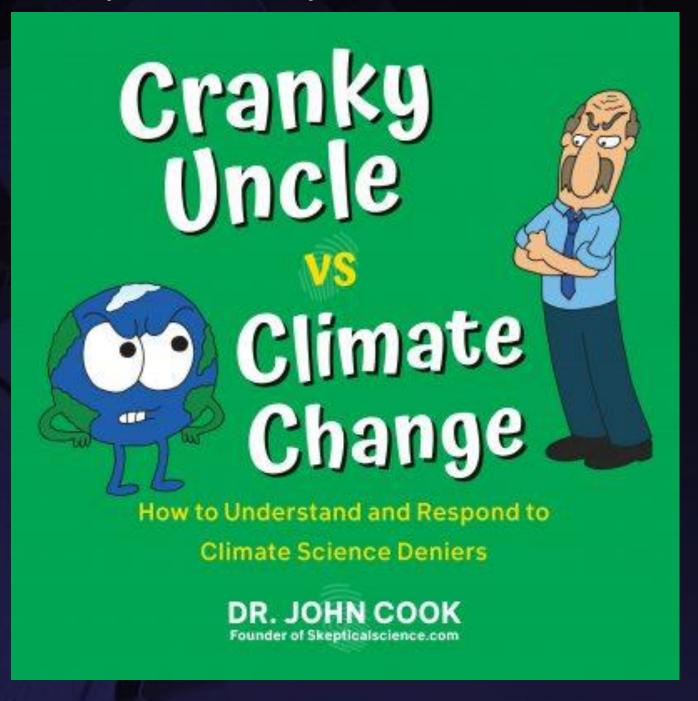


# Teachers' Guide Cranky Uncle



#### **Cranky Uncle Book**

https://crankyuncle.com/book





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#### Resources & References

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Lewandowsky, S., Cook, J., Ecker, U. K. H., Albarracín, D., Amazeen, M. A., Kendeou, P., Lombardi, D., Newman, E. J., Pennycook, G., Porter, E. Rand, D. G., Rapp, D. N., Reifler, J., Roozenbeek, J., Schmid, P., Seifert, C. M., Sinatra, G. M., Swire-Thompson, B., van der Linden, S., Vraga, E. K., Wood, T. J., Zaragoza, M. S. (2020). The Debunking Handbook 2020. Available at https://sks.to/db2020. DOI:10.17910/b7.1182

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