Science Communication & the Public SCI 3101: The Public Communication of Science / uOttawa

Why We Need to Understand Science

 We live in a society exquisitely dependent on science and technology, in which hardly anyone knows anything about science and technology. This is a clear prescription for disaster.



- Carl Sagan, 1990

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Ignorance as a Virtue

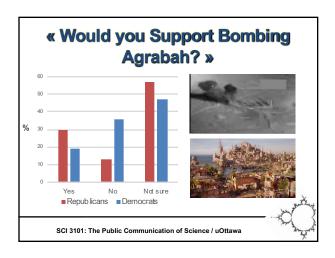
 Anti-intellectualism has been a constant thread winding its way through our political and cultural life, nurtured by the false notion that democracy means that 'my ignorance is just as good as your knowledge.'



- Isaac Asimov, 1980



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Opposition to GMOs and Biotech SCI 3101: The Public Communication of Science / uOttawa

Opposition to GMO Study Psychology research in USA & Canada in 2019 Asked 500 Americans about concern and opposition to GMOs Over 90% voiced some concern/opposition Were tested on their understanding of science and genetics SCI 3101: The Public Communication of Science / uOttawa United States Output Output

Dunning-Kruger Effect « Not only do such people reach erroneous conclusions and make unfortunate choices, but their incompetence robs them of the ability to realize it »

Where is the False Knowledge From? Google searches

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- WIKIPEDIA The Free Encyclopedia
 Lay people bloggers
- Celebrities and influencers
- Fueled by lack of metacognition and by confirmation bias





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From PUS to Science Literacy Engagement with Science "Deficit Model" SCI 3101: The Public Communication of Science / uOttawa

