



Promotion of scientific research. Science communication.

Dariusz Aksamit www.aksamit.info

This course has been supported by the Polish National Agency for Academic Exchange under the STER Programme

Who am I?











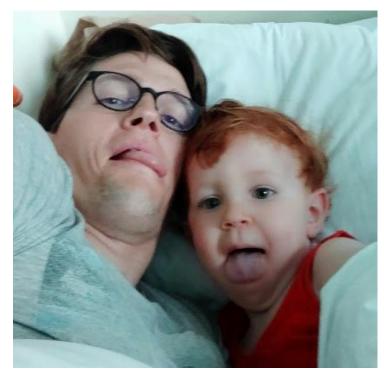






Who am I – privately?













Who are you?





• Please introduce yourself while the match is burning



• First remarks:



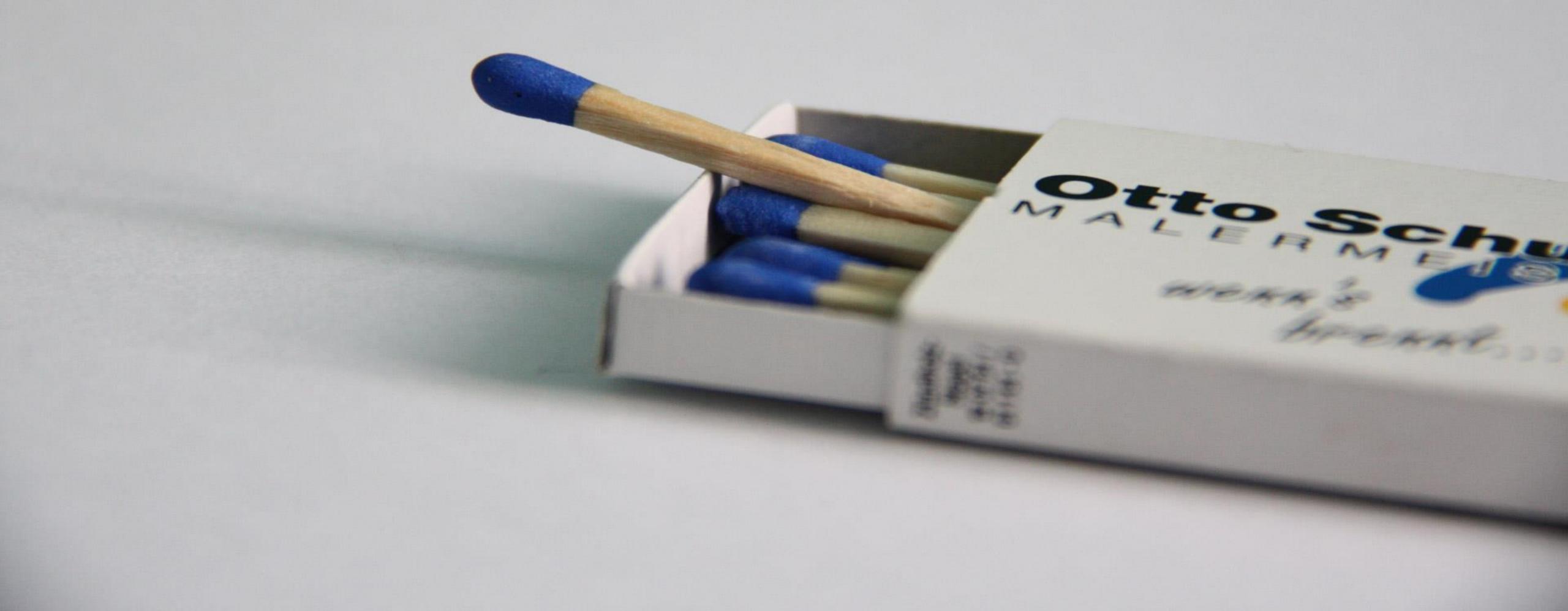
• First remarks:



• What's your worst science communication experience?



- What's your worst science communication experience?
- ...and the best?



What kind of science communication do you know/like?



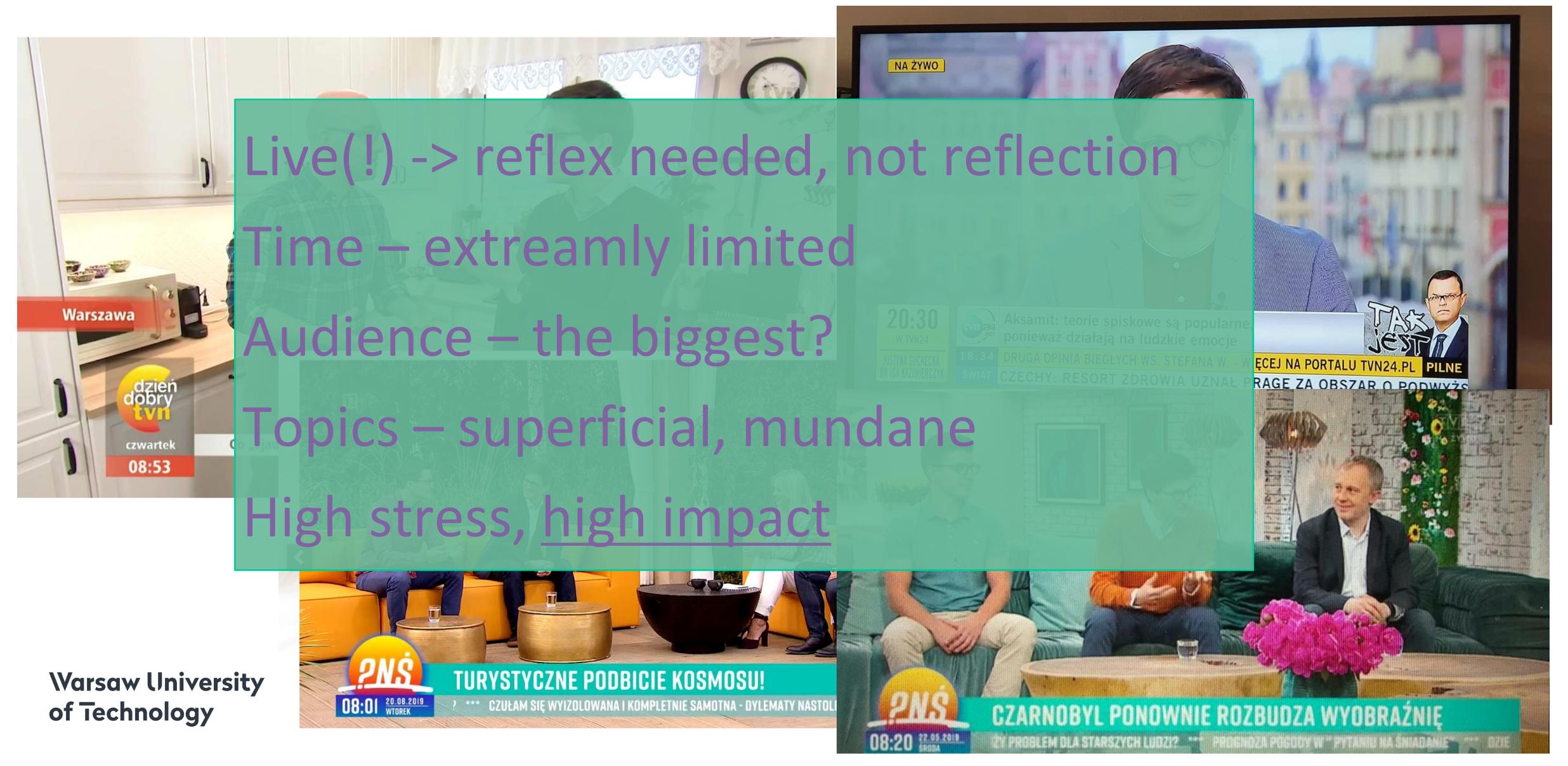
Why I'm conduting this training?

Because I have a lot of <u>experience</u> – you can ask me about...

...live presentation in national media...



...live presentation in national media...







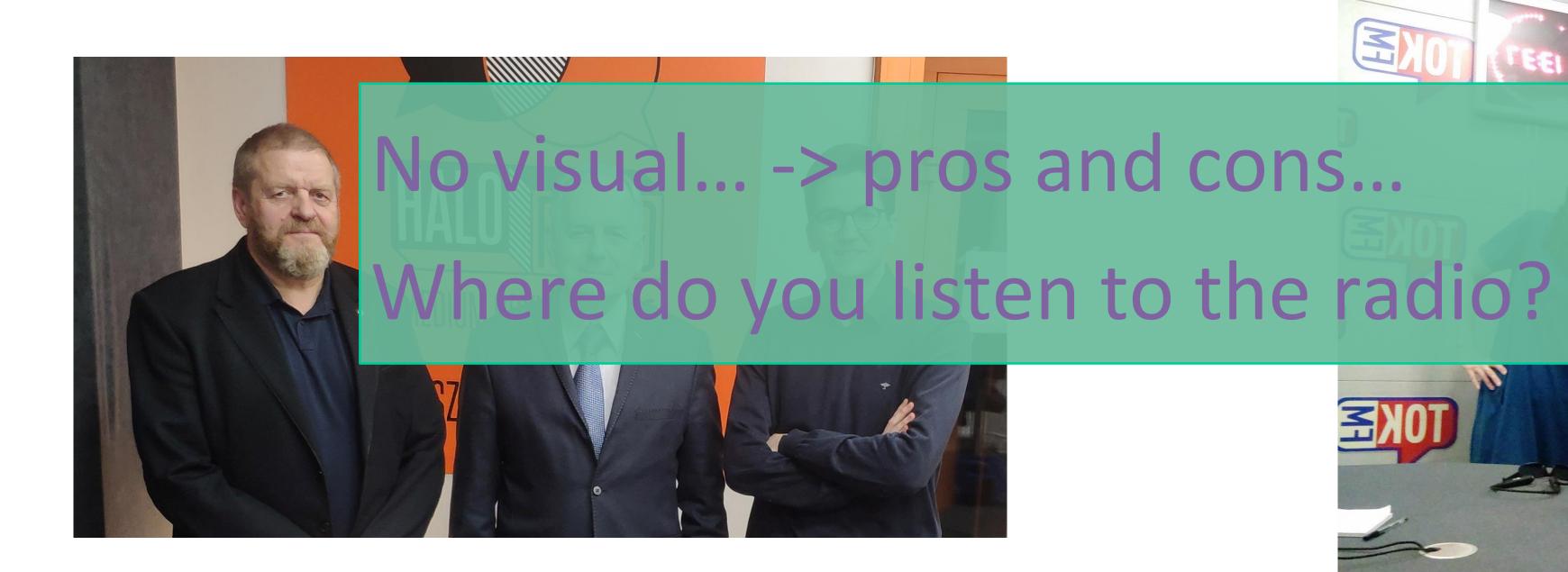










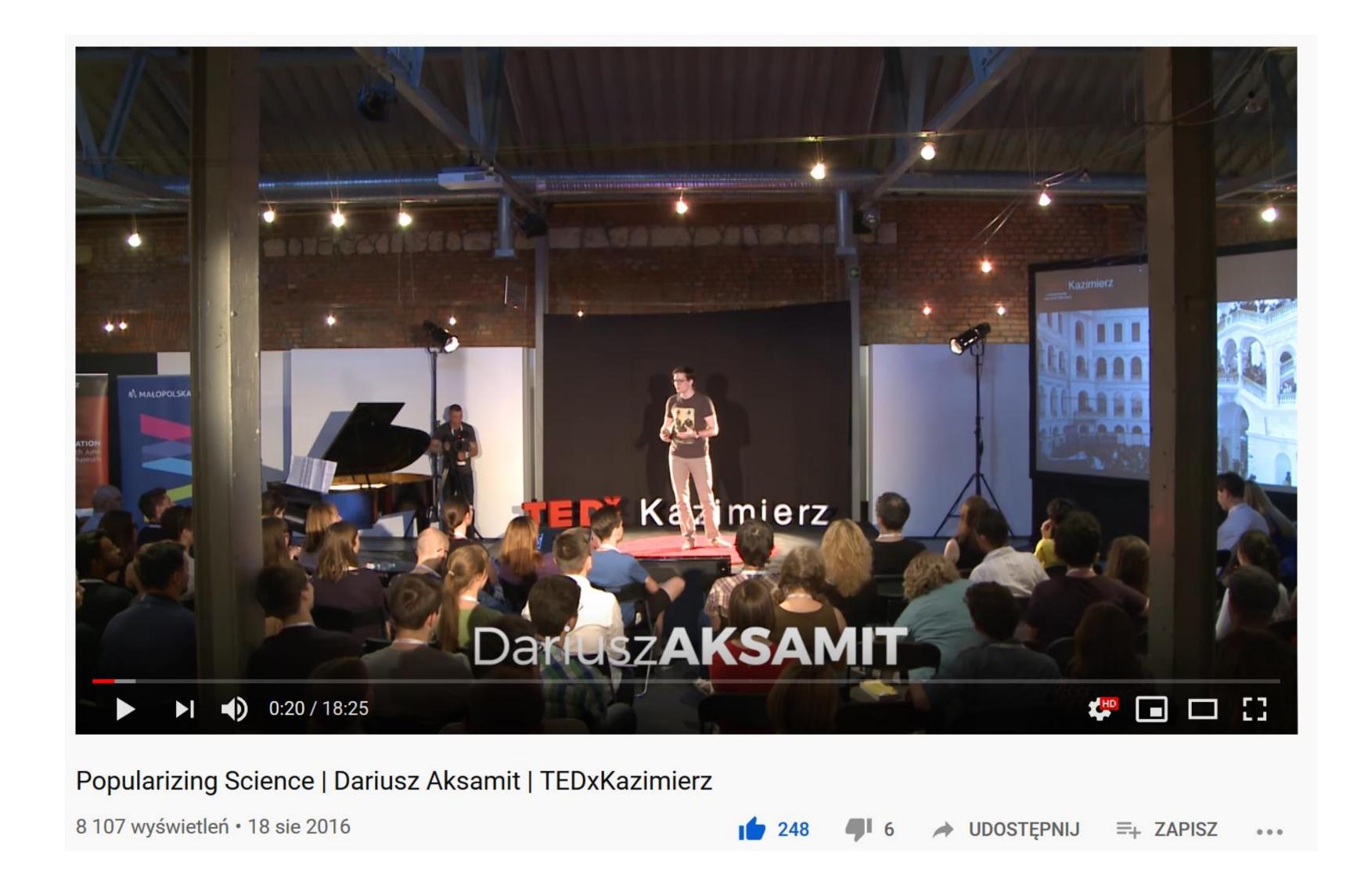








...how to give a TED talk and other public speaking...



...how to give a TED talk and other public speaking...

The most popular – and the most neglected! Shortert speech means harder speach (inverse sqares law;))



Popularizing Science | Dariusz Aksamit | TEDxKazimierz

8 107 wyświetleń • 18 sie 2016





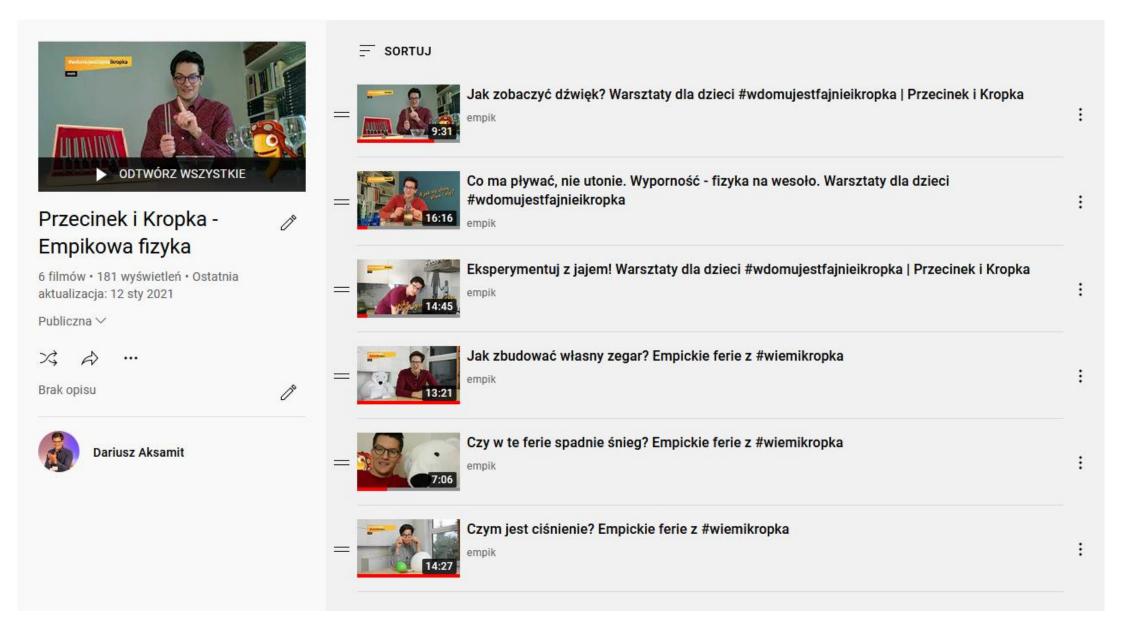


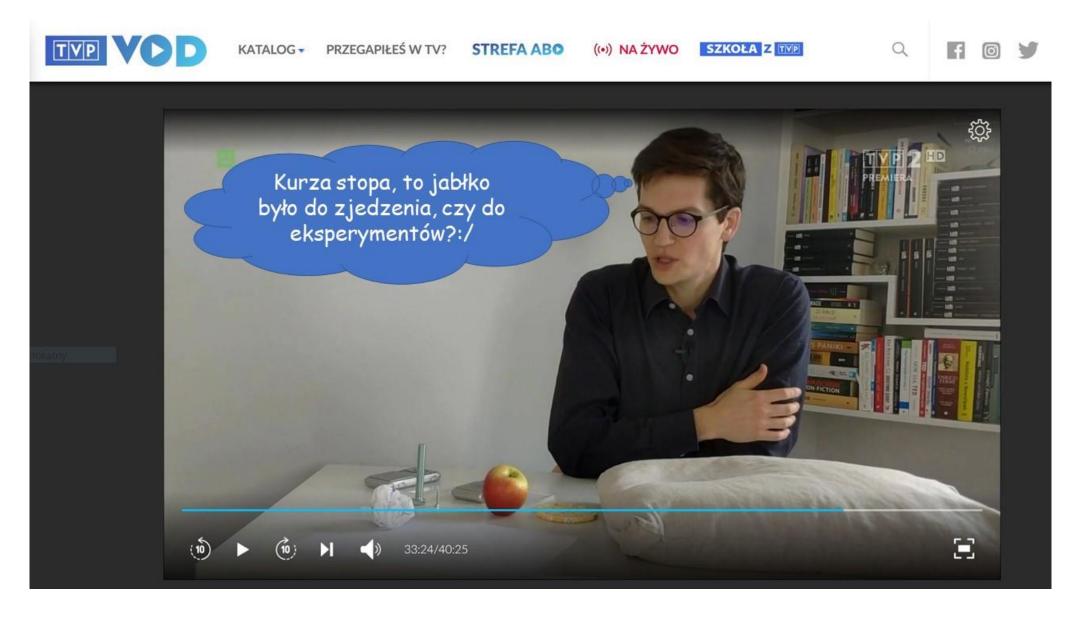


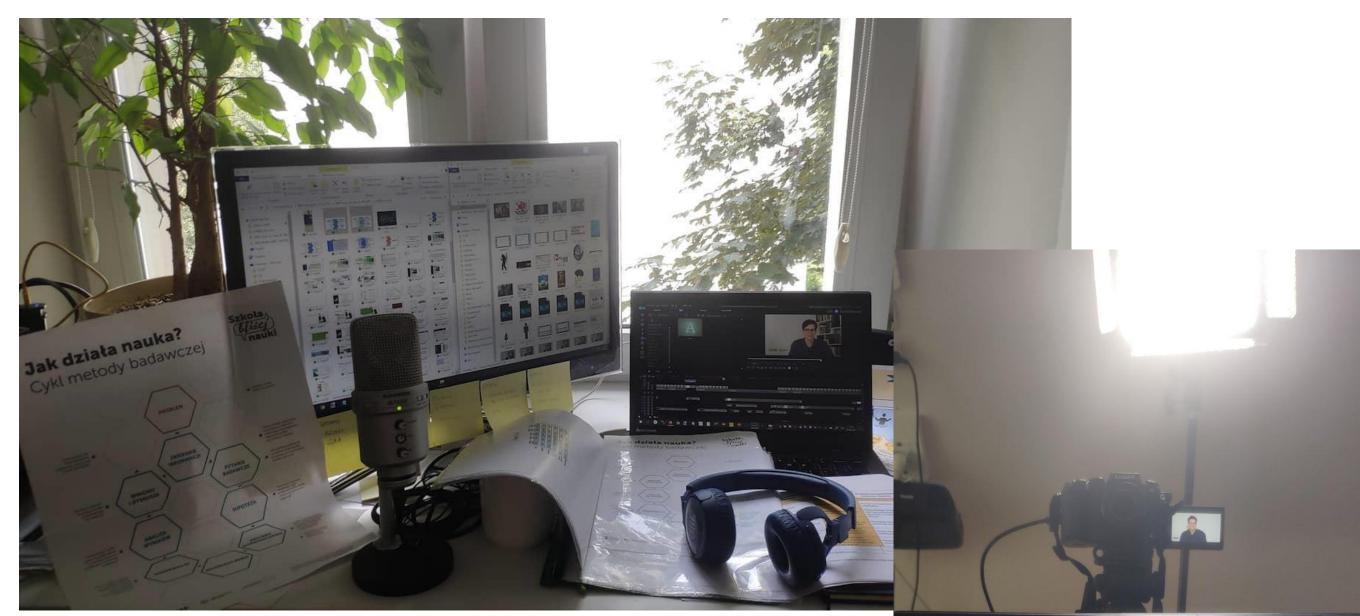


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...how to make educational videos and on-line lectures... 18



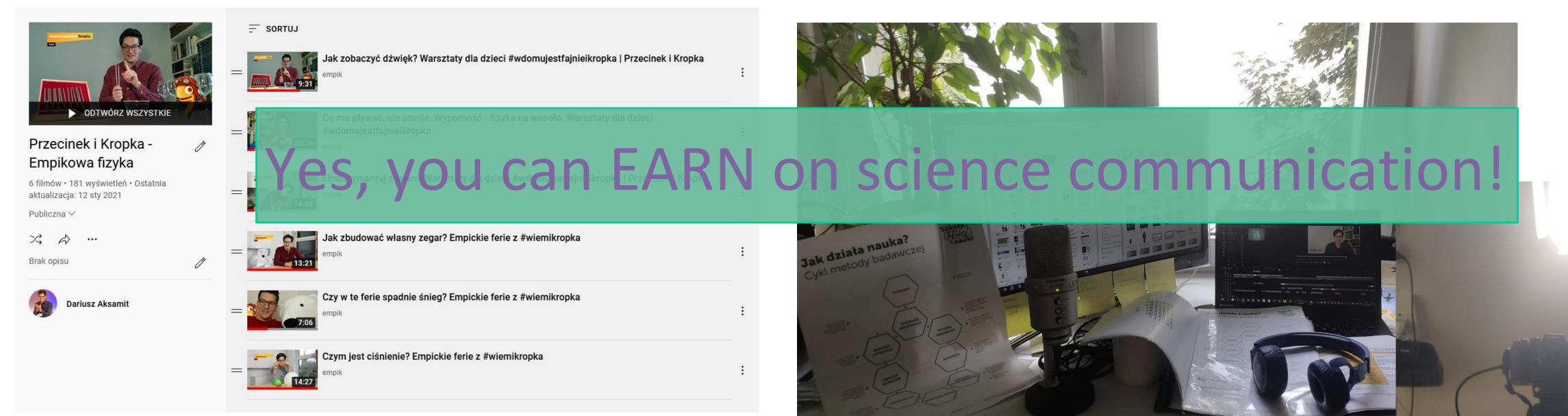


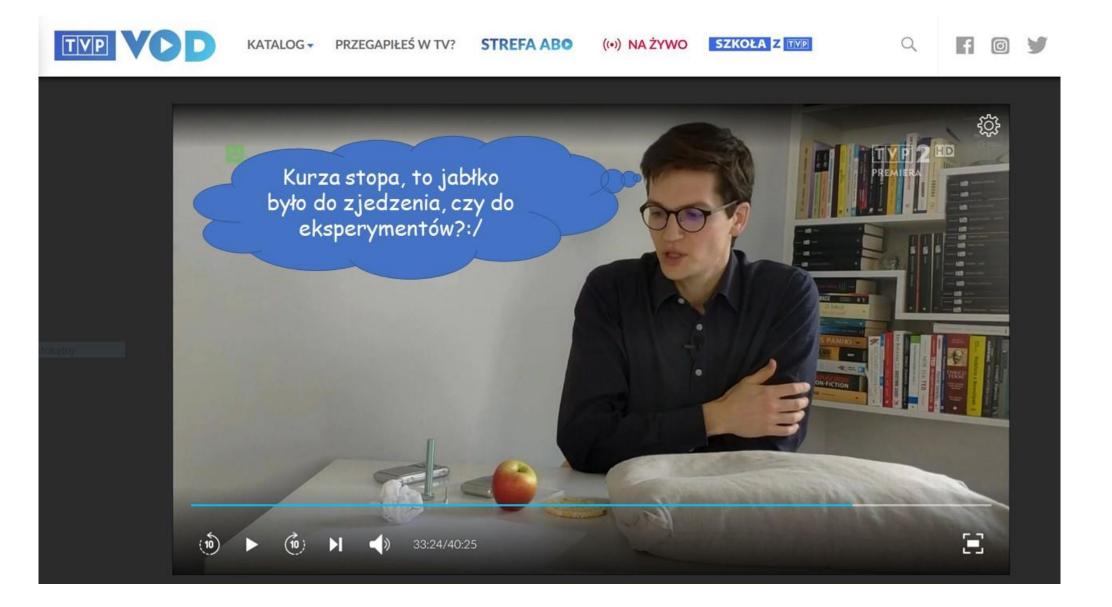




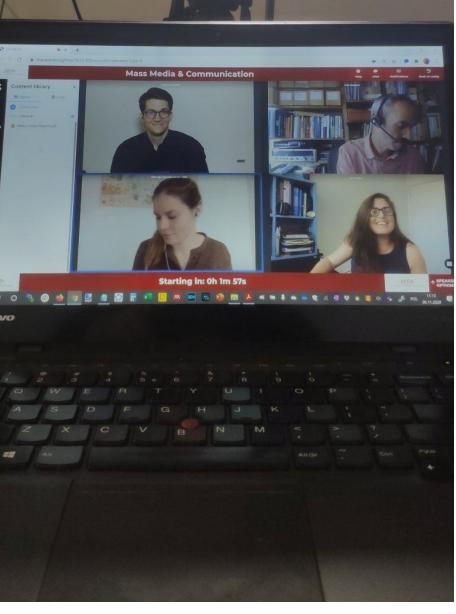


...how to make educational videos and on-line lectures... 19





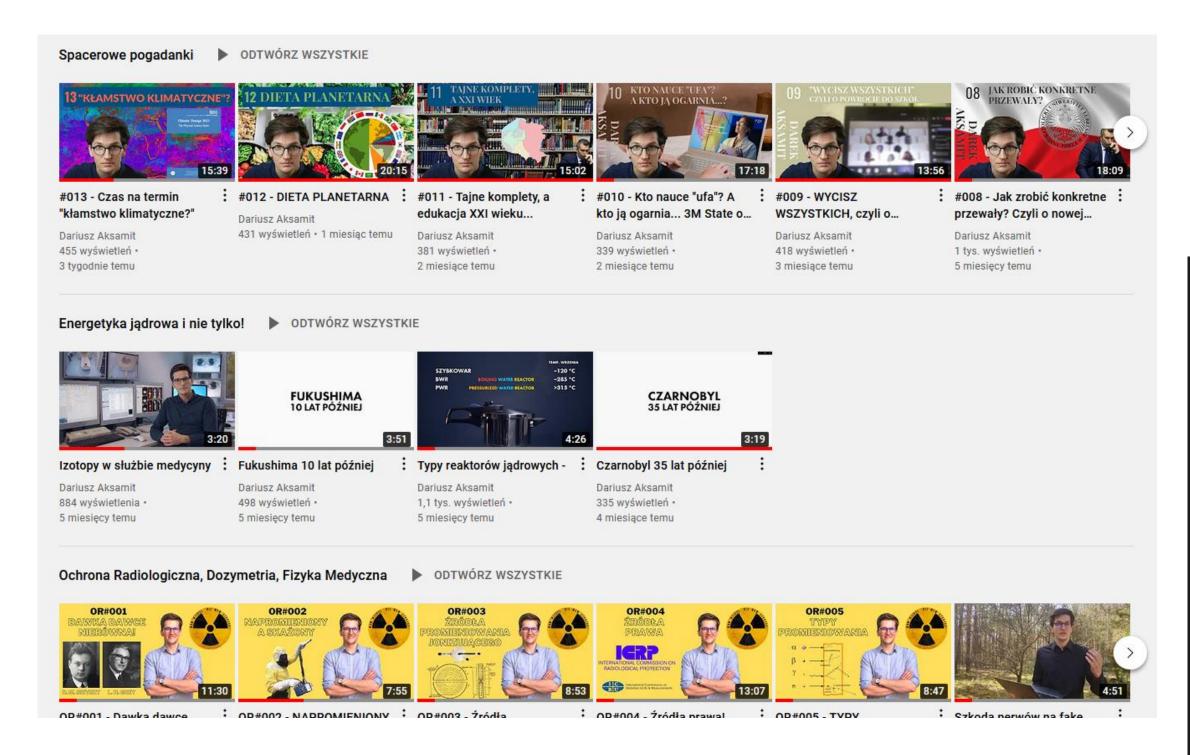




... how to make YouTube videos – professional or

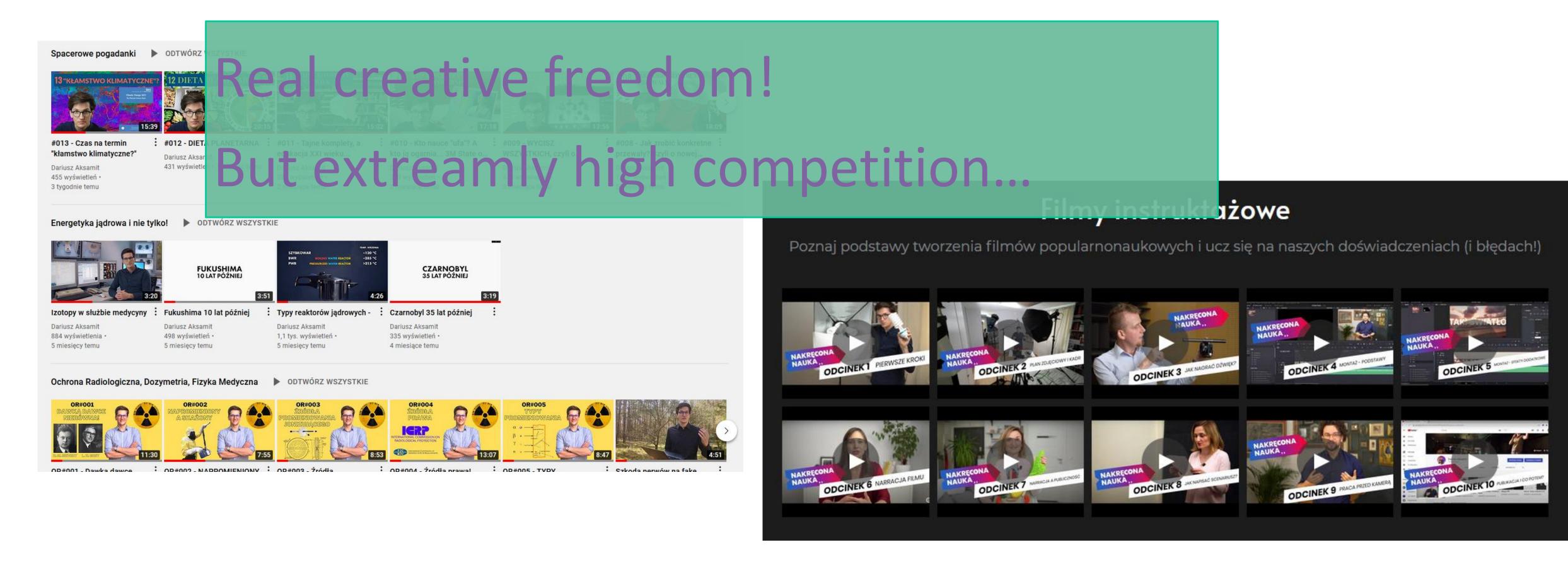
20

amateur...





amateur...



...write an article to press or portal...



O BLOGU

AKTUALNOŚCI

TEMATY

AUTORZY

KONTAKT



18 MAJA 2021

Jak badać wpływ promieni elektromagnetycznego na

Badania epidemiologiczne są kosztowne, żmudne i dłuile o jednostce, tylko o populacji. Pomiary fizyczne są dokł przybliżenie człowieka, a pomiar we wnętrzu żyjącego (praktycznie niewykonalny (jeśli ten ma pozostać przy ż w mózgu, gdy rozmawiamy przez telefon? Tu z pomoca Tylko jak "włożyć" do nich człowieka? I co to jest perfuzj









Sieć 5G, koronawirus i pseudonaukowe bzdury

21 SIERPNIA 2020 • 13 MINUT CZYTANIA

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Naukowcy obalają mit na temat wpływu sieci 5G na system odpornościowy człowieka. "To bzdura"











Wokół 5G mnożą się teorie spiskowe. Do tych powtarzanych od kilku miesięcy doszły nowe. W internecie coraz więcej pojawia się informacji, że 5G może osłabiać system odpornościowy człowieka, a tym samym zwiększać zachorowalność na koronawirusa. W rozmowie z Business Insider Polska Dariusz





Naukowcy obalają mit na temat wpływu



KONTAKT



AUTORZY

TEMATY















przybliżenie człowie praktycznie niewyko

w mózgu, gdy rozmawiamy przez telefon? Tu z pomoca Tylko jak "włożyć" do nich człowieka? I co to jest perfuzj

AKTUALNOŚCI





DARIUSZ AKSAMIT

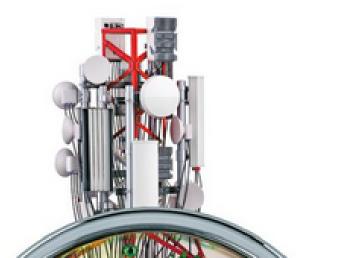
Sieć 5G, koronawirus i pseudonaukowe bzdury

21 SIERPNIA 2020 • 13 MINUT CZYTANIA

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na fali nauki

O BLOGU

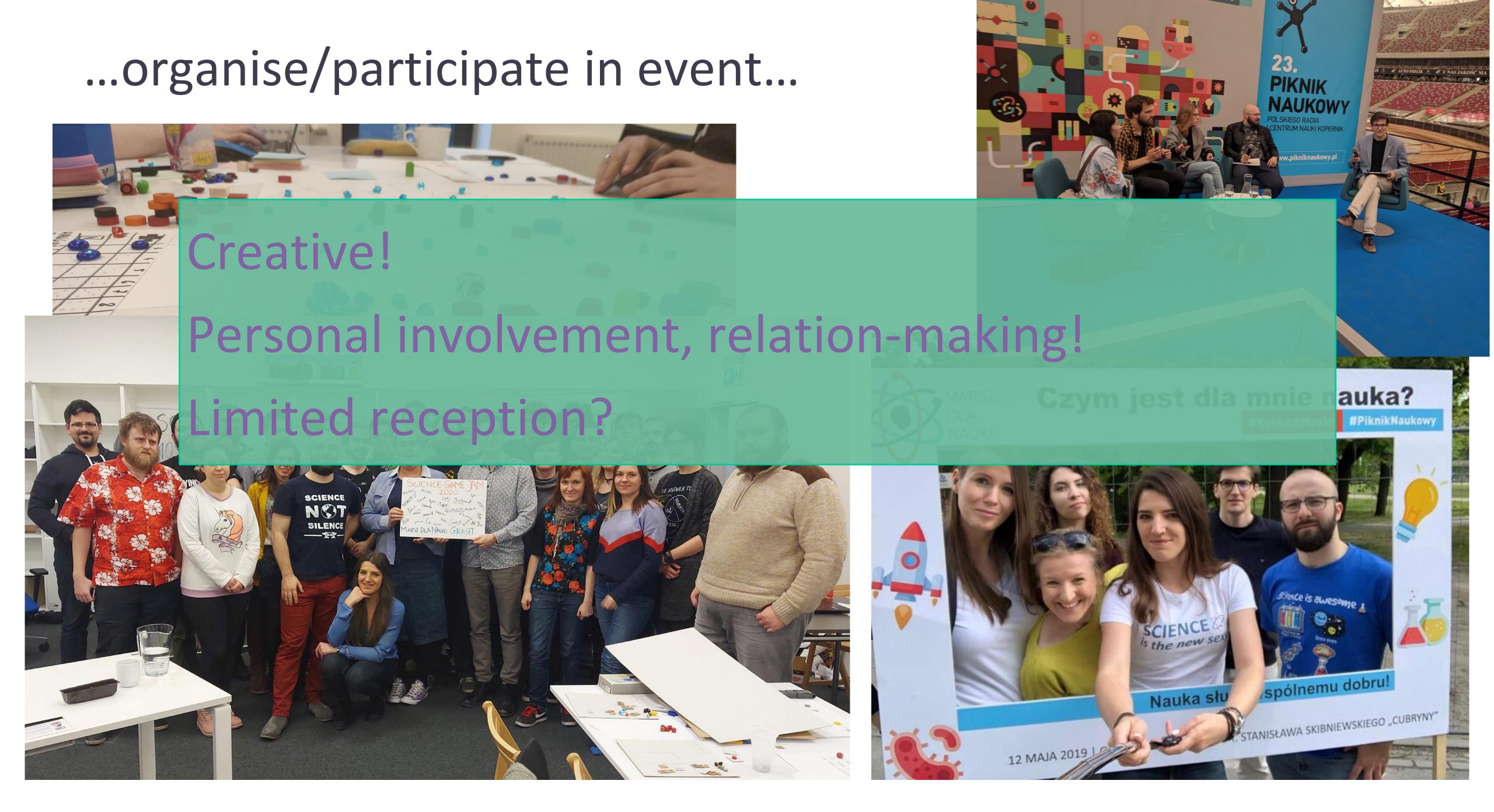


...organise/participate in event...















NAUKA W POLSCE

NAUKA W POLSCE



Or medical/nuclear physics!;)













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Purpose of SciCom

"Science Communication"

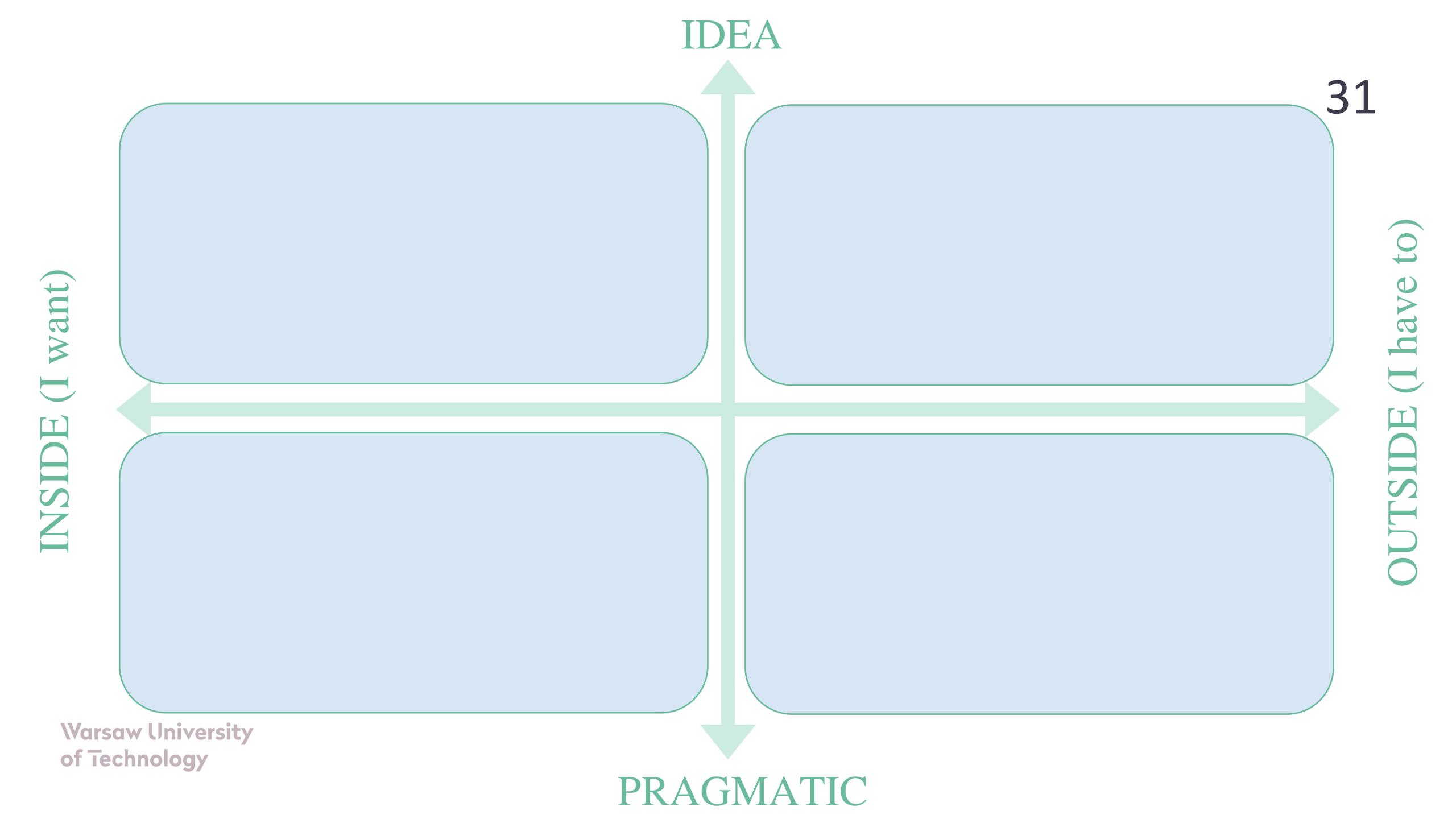
But....

WHY and FOR WHAT to do this?!

#WasteOfTime? #DoSomethingSerious! #HaveYouDefendedThesis?:p

Your motivation?





To help people
To protected people
To build better society

Public funding -> obligation to society

To earn

To build position of an expert

Benefits of a better society

I have a good time:)

"Outreach" or "dissemination" is mandatory in science grants from agencies

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INSIDE (I want)

Thave to)



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Why are you here?

What kind of science communication you want to learn?

What kind of skill you'd like to gain or develop?

What's your goal?



Prepare and send me your "bio" like half o A4 page with picture(!), summarazing who you are, what you do, what are you interesed in.

The importance of stupidity in scientific research

Martin A. Schwartz

Department of Microbiology, UVA Health System, University of Virginia, Charlottesville, VA 22908, USA e-mail: maschwartz@virginia.edu

Accepted 9 April 2008 Journal of Cell Science 121, 1771 Published by The Company of Biologists 2008 doi:10.1242/jcs.033340

I recently saw an old friend for the first time in many years. We had been Ph.D. students at the same time, both studying science, although in different areas. She later dropped out of graduate school, went to Harvard Law School and is now a senior lawyer for a major environmental organization. At some point, the conversation turned to why she had left graduate school. To my utter astonishment, she said it was because it made her feel stupid. After a couple of years of feeling stupid every day, she was ready to do something else.

I had thought of her as one of the brightest people I knew and her subsequent career supports that view. What she said bothered me. I kept thinking about it; sometime the next day, it hit me. Science makes me feel stupid too. It's just that I've gotten used to it. So used to it, in fact, that I actively seek out new opportunities to feel

I'd like to suggest that our Ph.D. programs often do students a disservice in two ways. First, I don't think students are made to understand how hard it is to do research. And how very, very hard it is to do important research. It's a lot harder than taking even very demanding courses. What makes it difficult is that research is immersion in the unknown. We just don't know what we're doing. We can't be sure whether we're asking the right question or doing the right experiment until we get the answer or the result. Admittedly, science is made harder by competition for grants and space in top journals. But apart from all of that, doing significant research is intrinsically hard and changing departmental, institutional or national policies will not succeed in lessening its intrinsic difficulty.

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Essay 1771

The importance of stupidity in scientific research

Martin A. Schwartz

Department of Microbiology, UVA Health System, University of Virginia, Charlottesville, VA 22908, USA e-mail: maschwartz@virginia.edu

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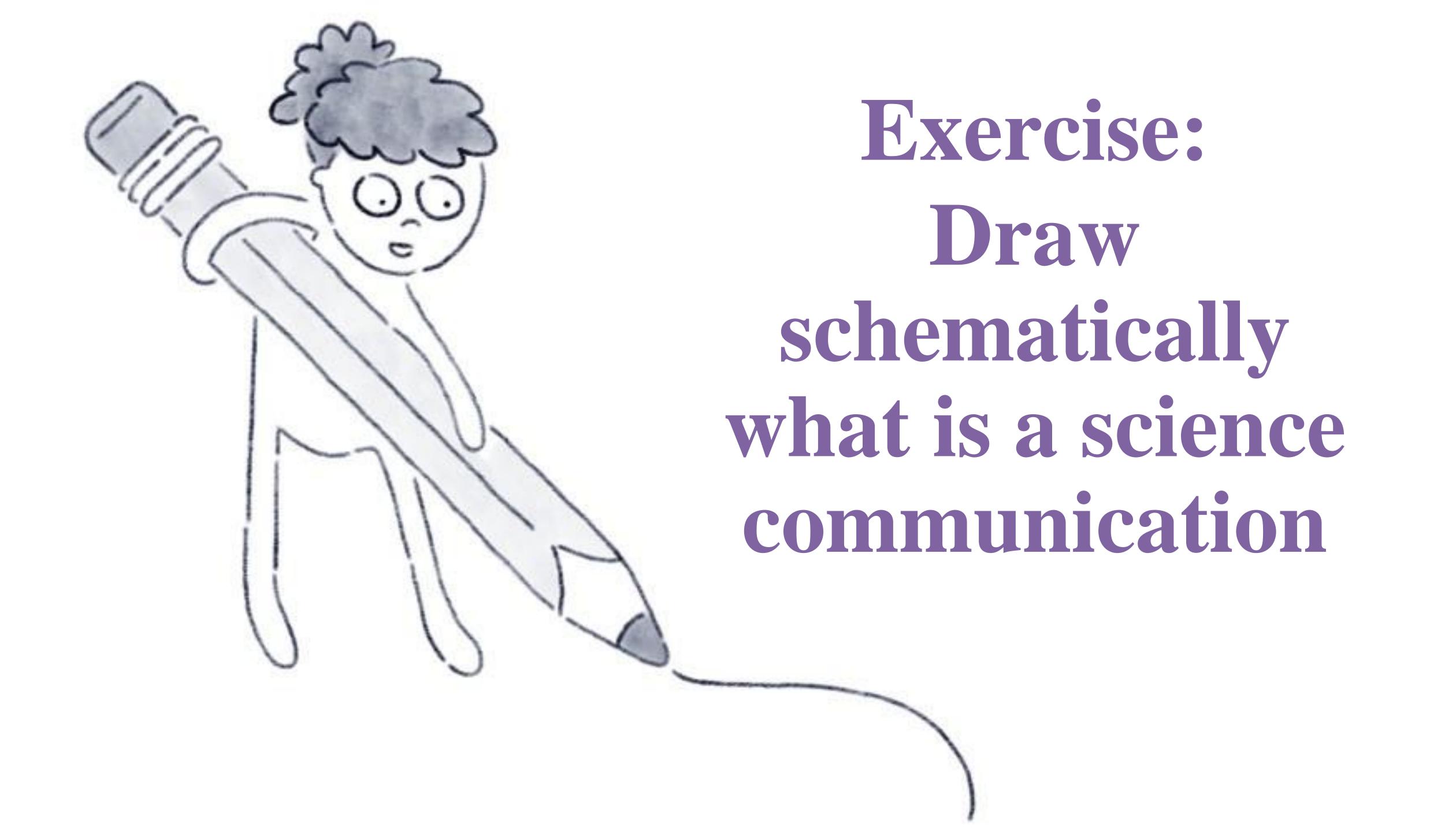
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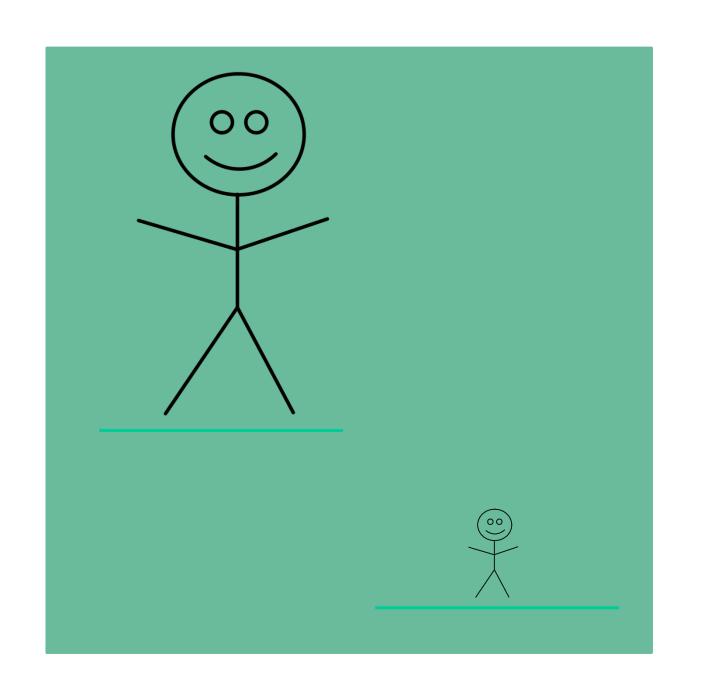
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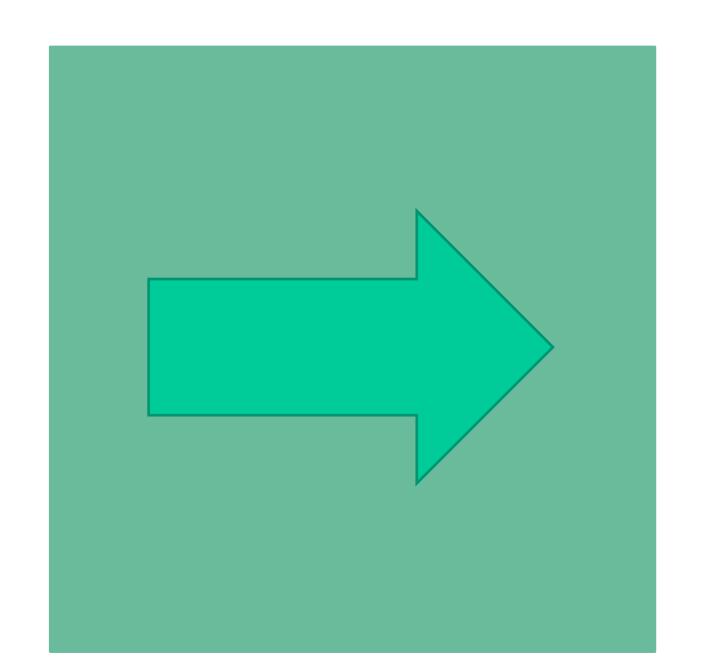
Second, we don't do a good enough job of teaching our students how to be productively stupid – that is, if we don't feel stupid it means we're not really trying.

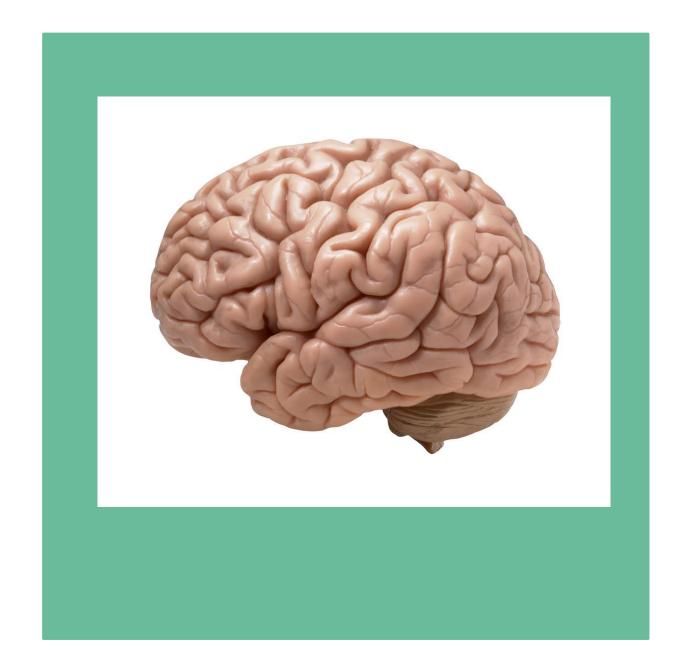
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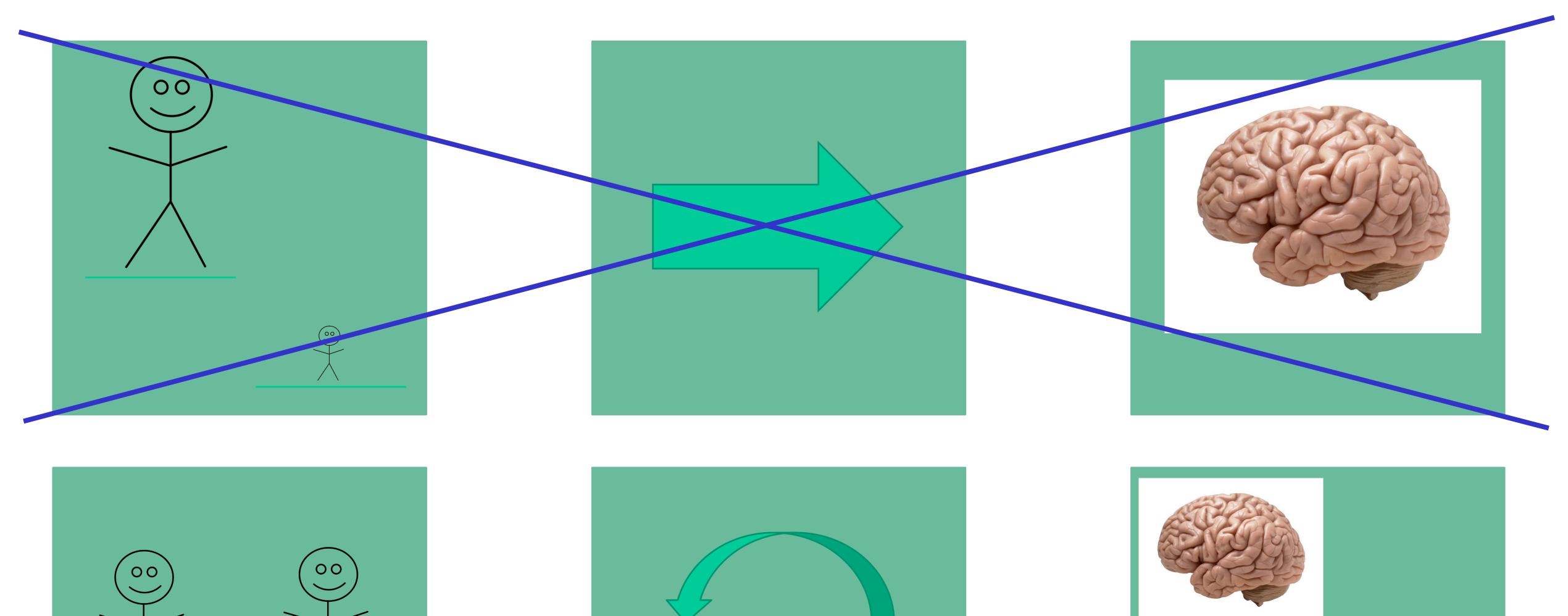


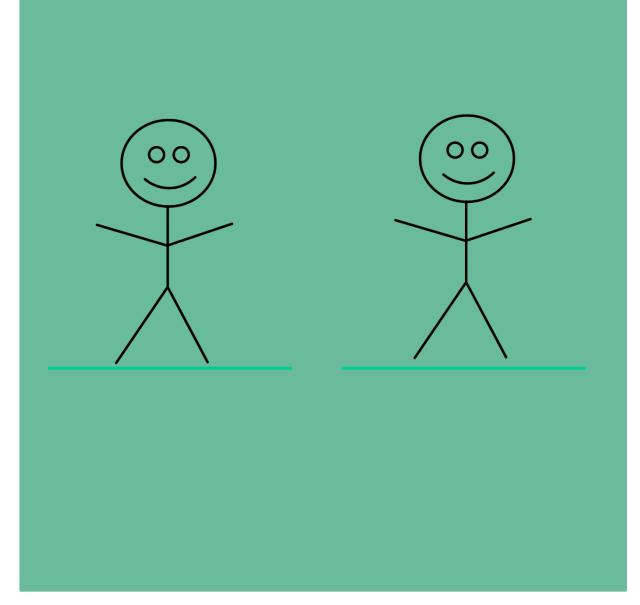


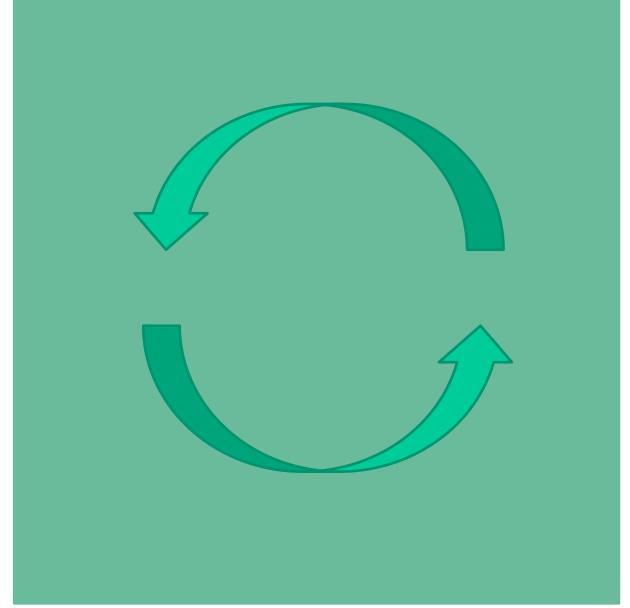


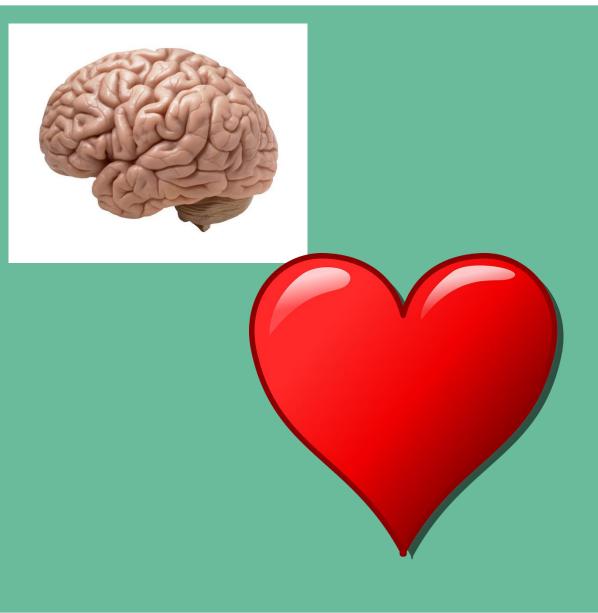


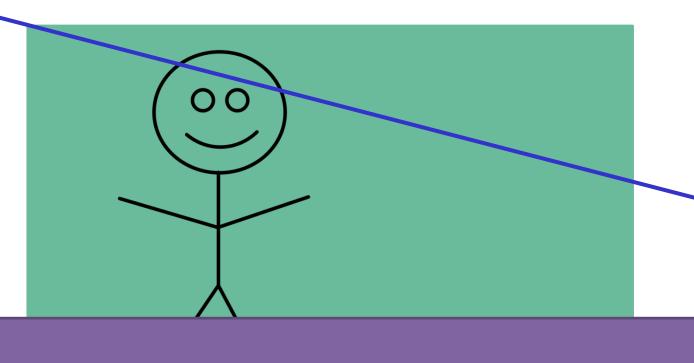












Respect Understanding Finding a common ground



COMMUNICATION

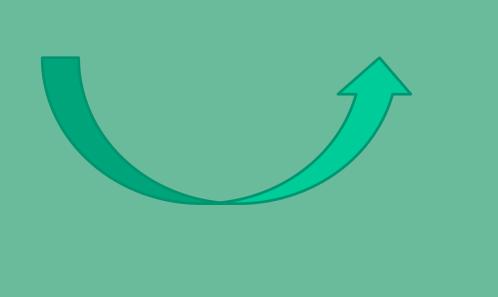
Dialog

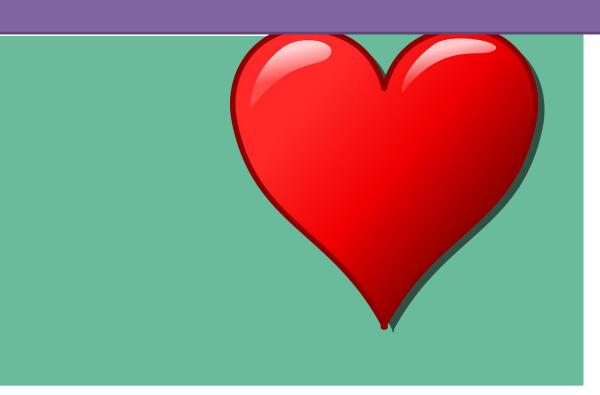
Listening

Feedback



Recognition of fundamental role of EMOTIONS





Why scientists are losing the fight to communicate science to the public Richard P Grant

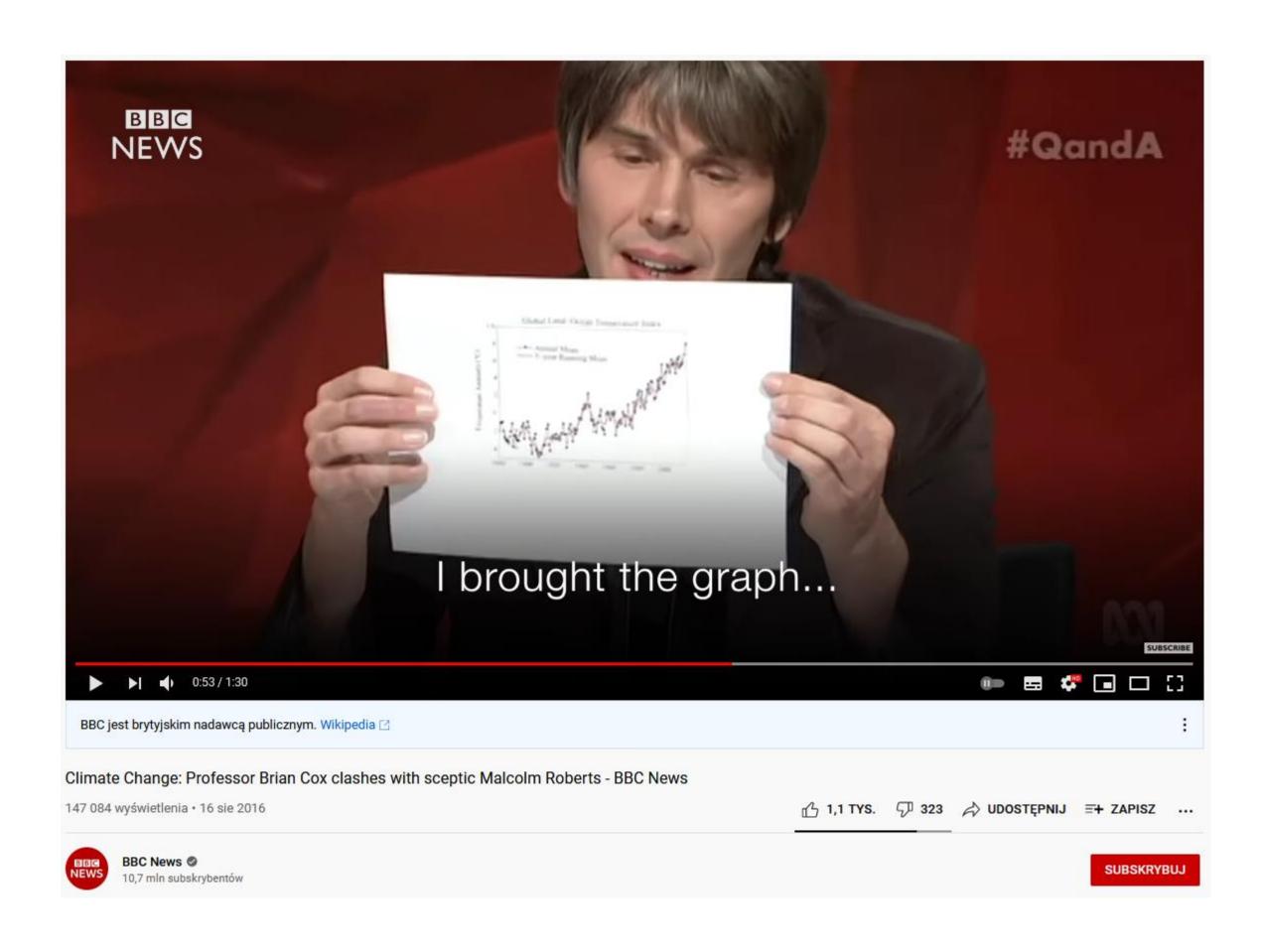
Scientists and science communicators are engaged in a constant battle with ignorance. But that's an approach doomed to failure



1 Be quiet. It's good for you. Photograph: Gareth Fuller/PA

https://www.theguardian.com/science/occams-corner/2016/aug/23/scientists-losing-science-communication-skeptic-cox#utm_sguid=172491,bbcaeaad-bad1-2c90-c928-14d44e28e7e4

https://www.youtube.com/watch?v=sG8gLt4GChg



Why scientists are losing the fight to communicate science to the public Richard P Grant

Scientists and science communicators are engaged in a constant battle with ignorance. But that's an approach doomed to failure



1 Be quiet. It's good for you. Photograph: Gareth Fuller/PA

Most science communication isn't about persuading people; it's self-affirmation for those already on the inside. Look at us, it says, aren't we clever? We are exclusive, we are a gang, we are family.

That's not communication. It's not changing minds and it's certainly not winning hearts and minds.

https://www.theguardian.com/science/occams-corner/2016/aug/23/scientists-losing-science-communication-skeptic-cox#utm_sguid=172491,bbcaeaad-bad1-2c90-c928-14d44e28e7e4

It's tribalism.

What is a common mistake during CONVINCING people?

https://www.cda.pl/video/15224635c

(about 1:00h, sausage speech)

What we sausage did wrong?

- Were offensieve, abusing
- Were taking something, not giving nothing in return (no offer)
- Were brutal, drastic, appealed to negative emotions and violence
- Did not listen his audience (broadcasting, not communicating, no
- communication)
- IMPOSTING his opinions
- Were without allays, Local Opinion Leaders

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"One size fits all"?		YOU AGENDA	
		fast	Slow
THEIR AGENDA	fast	Congratulations!	It's not gonna work
	Slow	It's not gonna work	Congratulations



"KNOW YOUR AUDIENCE"

Who are they? Age? Education?

Why are they here? Why or for what shoudl the listen you?

Cdo we have to say something important to them?

What are their intereste? How to reach them?

What language, voacabulary, symbols do they operate?

WHAT IS OUR COMMON GROUND?



BBVA FOUNDATION INTERNATIONAL STUDY ON SCIENTIFIC CULTURE UNDERSTANDING OF SCIENCE

The BBVA Foundation presents the results of its "International Study on Scientific Culture", based on a wide-ranging survey as regards both sample size (1,500 interviewees in each of the 11 countries analyzed) and the variety of issues broached.

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TASK:

 Start to be OBSERVANT about producing and receving communicates – WHY you switch channel or radiostation and WHY are you fascinated by other text or podcast?
 WHAT makes it interesting?