

National Forum on Education for Sustainable Development

# Seeking a 'Plan B'

David Puttnam

Friday 1<sup>st</sup> December 2023

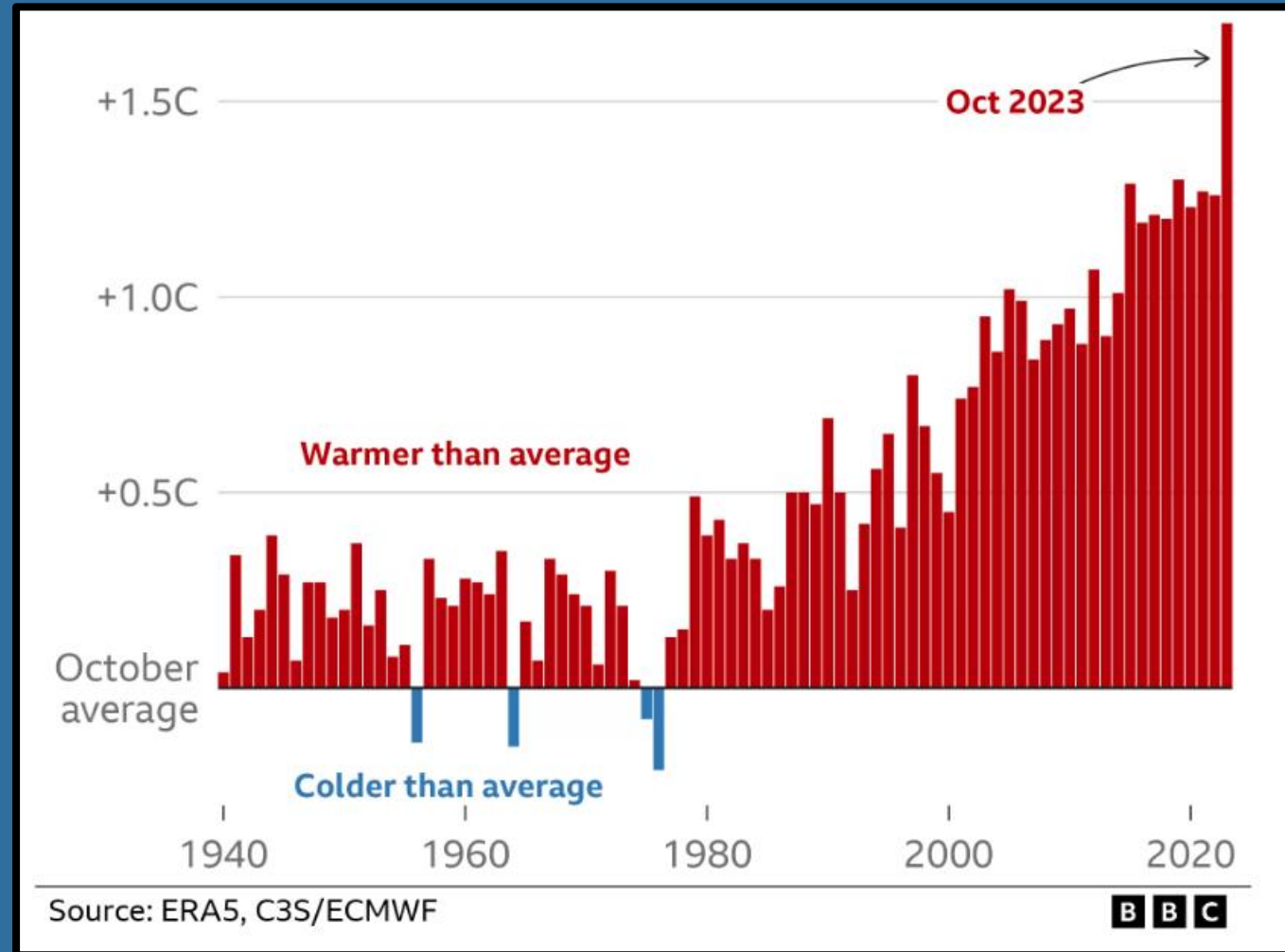
East Quad, TU Dublin, Grangegorman Campus



Gov. Jay Inslee  
Washington State

“We’re the first generation to feel the impact of climate change - and the last generation that can actually *do* something about it.”

# October 2023 was the hottest on record!

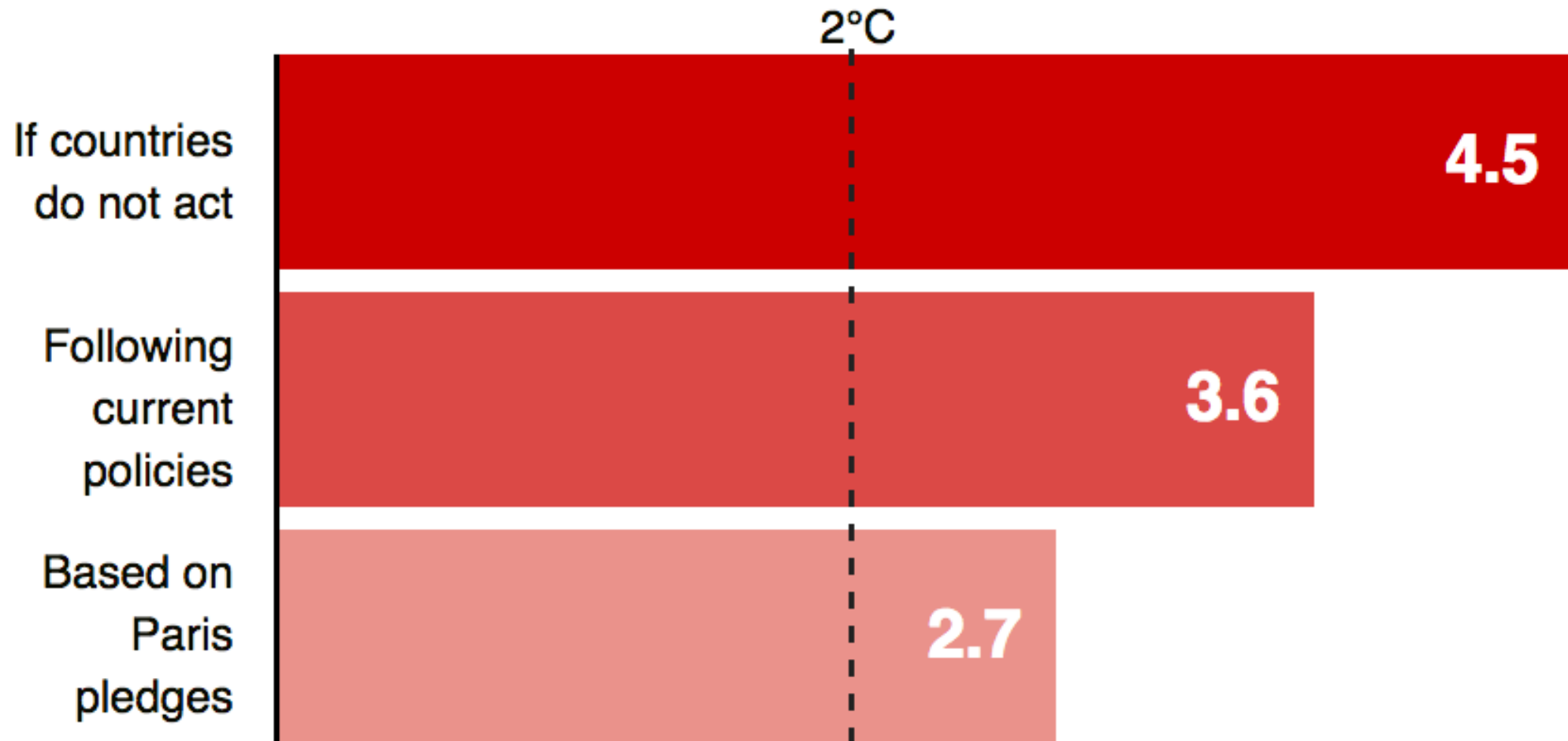




“CLIMATE IMPACTS ARE HEADING INTO UNCHARTED  
TERRITORIES OF DESTRUCTION”

ANTONIO GUTIERREZ - SECRETARY GENERAL OF THE UNITED NATIONS.

## Average warming (°C) projected by 2100





# Climate Change Act 2008

## CHAPTER 27

### CONTENTS

#### PART 1

##### CARBON TARGET AND BUDGETING

###### *The target for 2050*

- 1 The target for 2050
- 2 Amendment of 2050 target or baseline year
- 3 Consultation on order amending 2050 target or baseline year

###### *Carbon budgeting*

- 4 Carbon budgets
- 5 Level of carbon budgets
- 6 Amendment of target percentages
- 7 Consultation on order setting or amending target percentages
- 8 Setting of carbon budgets for budgetary periods
- 9 Consultation on carbon budgets
- 10 Matters to be taken into account in connection with carbon budgets

###### *Limit on use of carbon units*

- 11 Limit on use of carbon units

###### *Indicative annual ranges*

- 12 Duty to provide indicative annual ranges for net UK carbon account

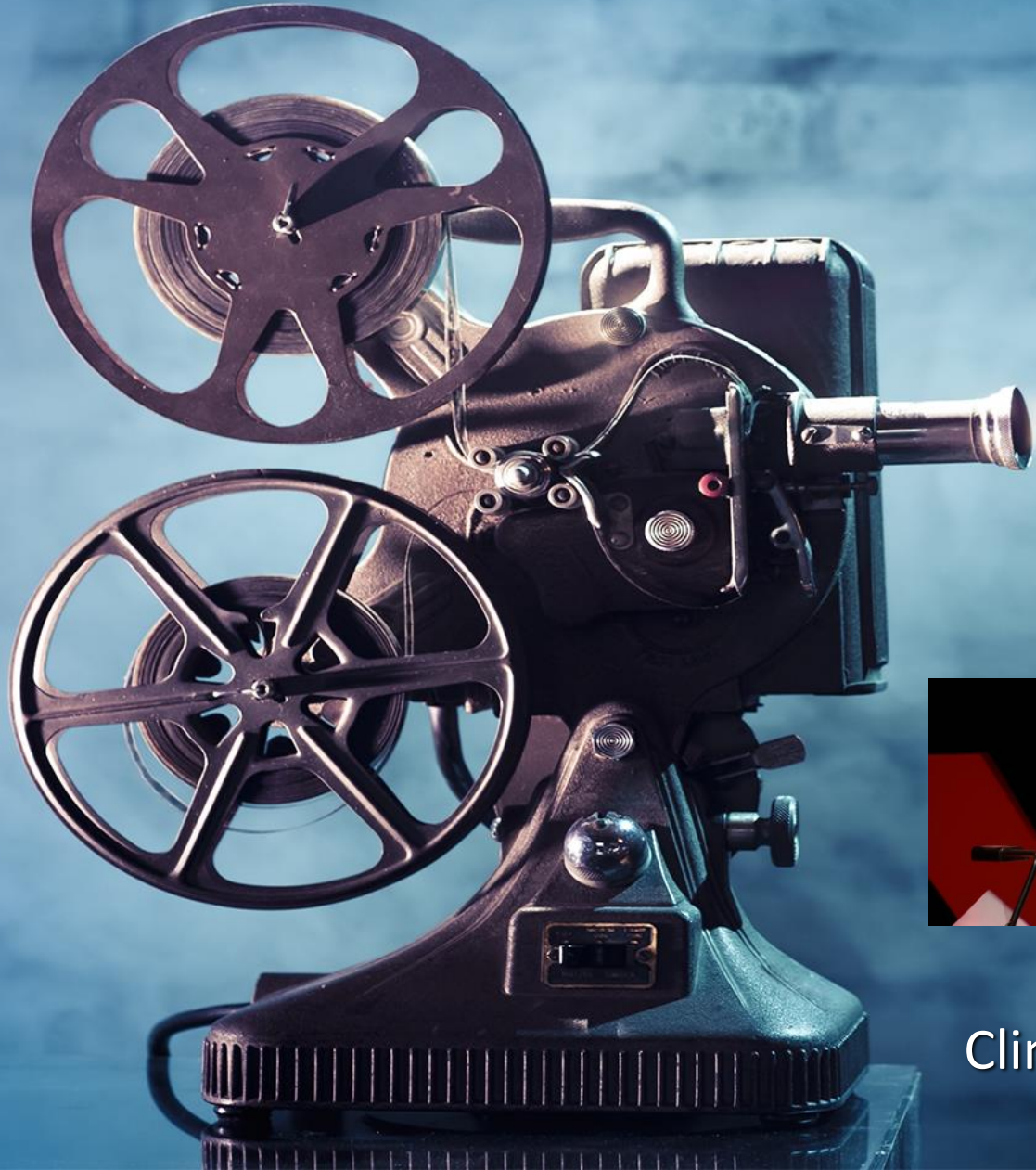
###### *Proposals and policies for meeting carbon budgets*

- 13 Duty to prepare proposals and policies for meeting carbon budgets
- 14 Duty to report on proposals and policies for meeting carbon budgets
- 15 Duty to have regard to need for UK domestic action on climate change

Established fixed carbon limits  
for the next 40 years.

The world's first climate change legislation!





1:48 secs



Reality of  
Climate change



David Puttnam  
TED Talk  
Science Gallery, Dublin  
Saturday, 13<sup>th</sup> September 2014

DAVID PUTTNAM

2014



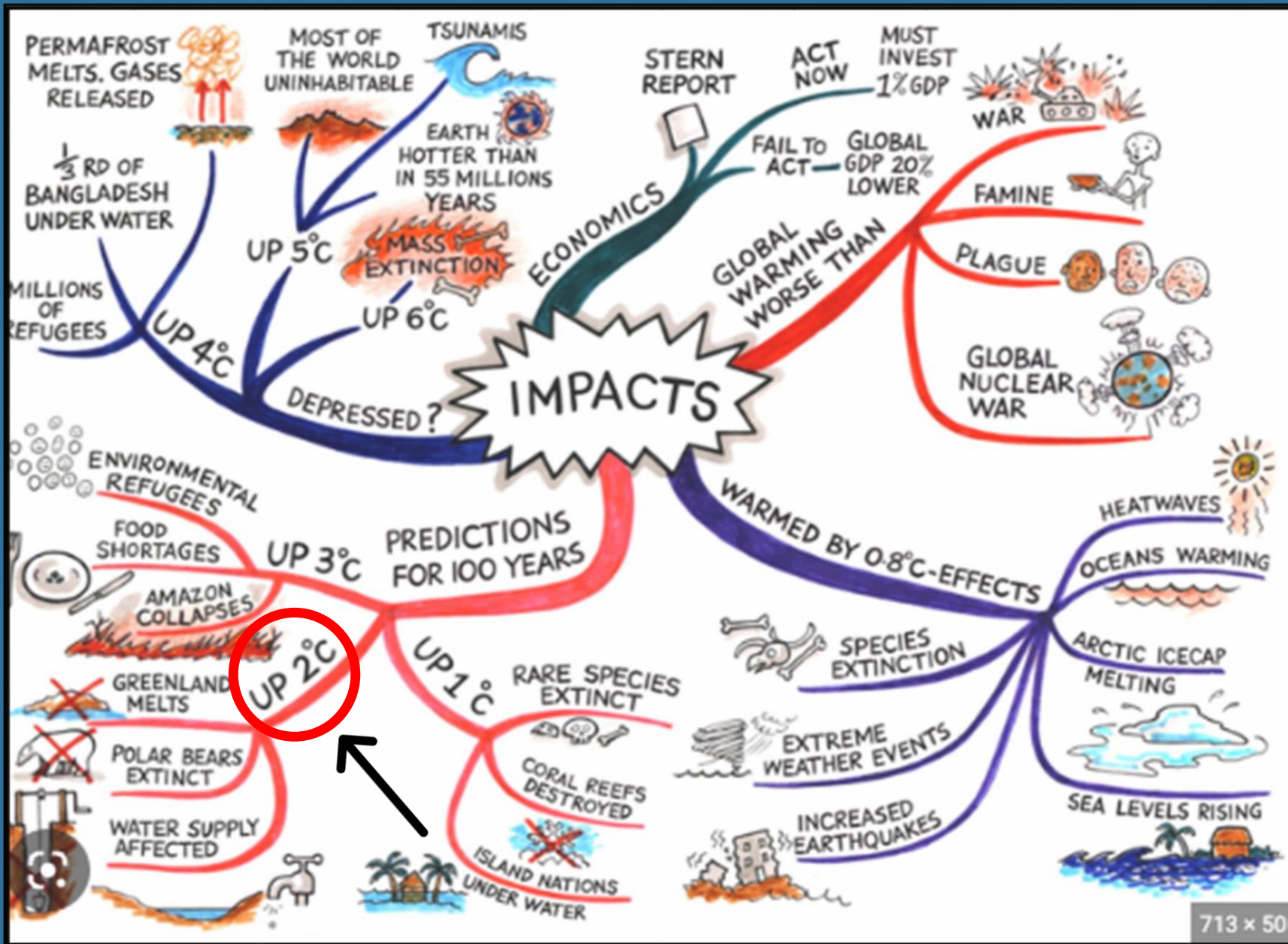




# The Cost of Carbon



Photo © Heming via iStock



713 x 506

By 2035 we will reach 2.2 degrees warming!

HOUSE OF LORDS

Select Committee on Digital Technology and Democracy

Report of Session 2017–19  
Report of Session 2019–20

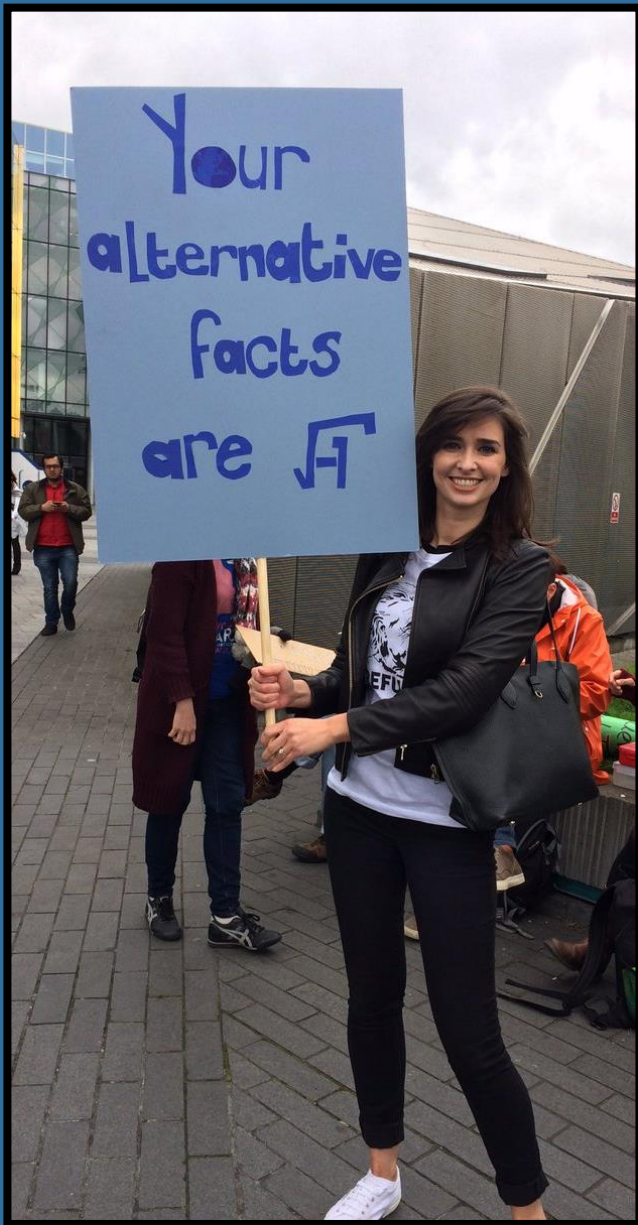
# Digital Technology and the Resurrection of Trust

Ordered to be printed 15 June 2020 and published 15 July 2020

Published by the Authority of the House of Lords

HL Paper XXX

June 2020




Opinions can differ  
but facts must not be allowed  
to become a generational battleground



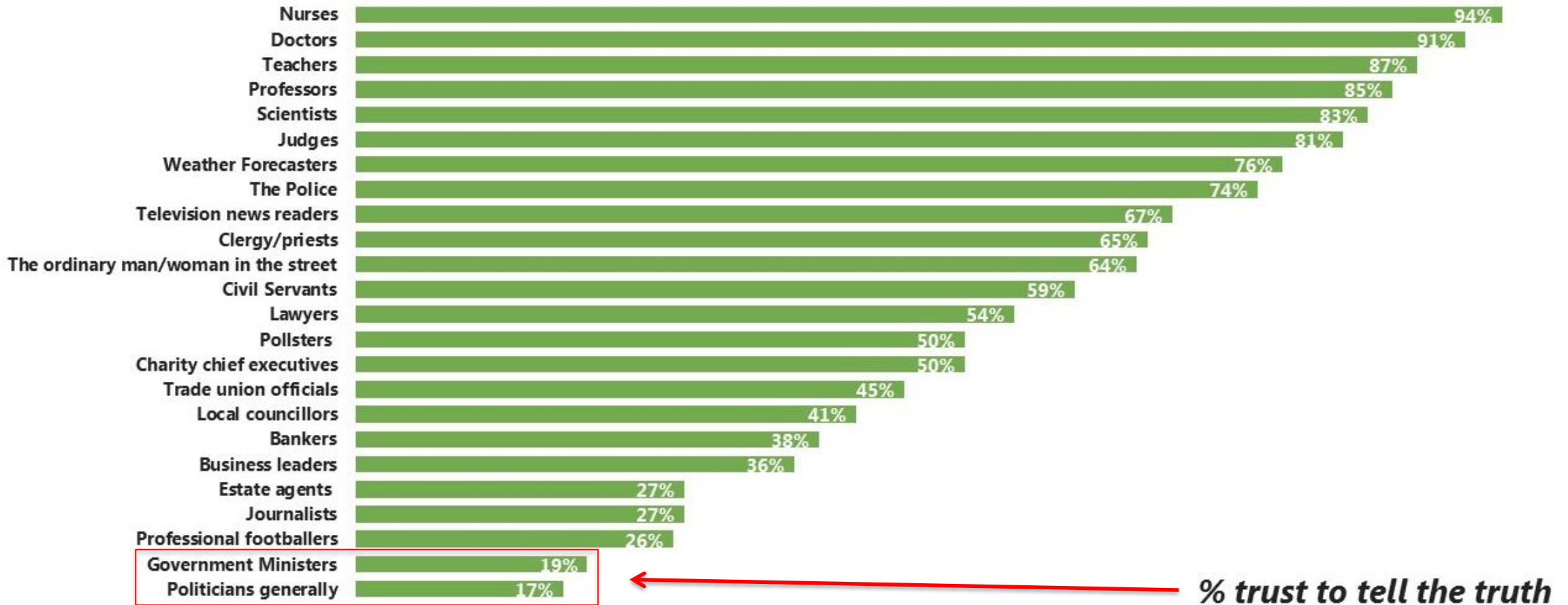
Researchers found climate change becoming a much more common topic of discussion.

Efforts are made to trivialize the impacts of climate change, while “far right political figures often exploit climate discussions to position themselves as the ‘true defenders’ of rural interest”

A hand is shown with a world map painted on it, symbolizing global citizenship and media awareness. The map is colorful, with continents in various shades and oceans in blue. The hand is positioned palm-up, with fingers spread. The background is a light blue gradient.

**“Part of our role as citizens is to look more closely at the media surrounding us, think critically about its effects, and whose agenda is being promoted.”**

*"Now I will read you a list of different types of people. For each would you tell me if you generally trust them to tell the truth, or not?"*







Apathy and Ignorance

or

Energy and Commitment?

UK Government benches almost empty for debate inspired by schoolchildren's climate strike!





A thermometer has no politics





The Number One Challenge!

A person is walking away from the viewer on a narrow, dark path that appears to be made of water or a very wet surface. The path is flanked by thick, yellowish-brown clouds or smoke that fills the sky and the lower part of the frame. In the upper left corner, there is a wooden structure that looks like a ladder or a set of stairs leading up into the clouds. The overall atmosphere is one of a storm or a hazardous environment, likely representing the impact of climate change.

Climate Change is

the Civil Rights Movement  
of this Generation

Today, societal collapse is a more treacherous prospect. People are increasingly specialised and disconnected from the production of food and basic goods. And a Changing climate may irreparably damage our ability to return to simple farming practices.

*Luke Kemp, BBC – 19<sup>th</sup> February 2019*





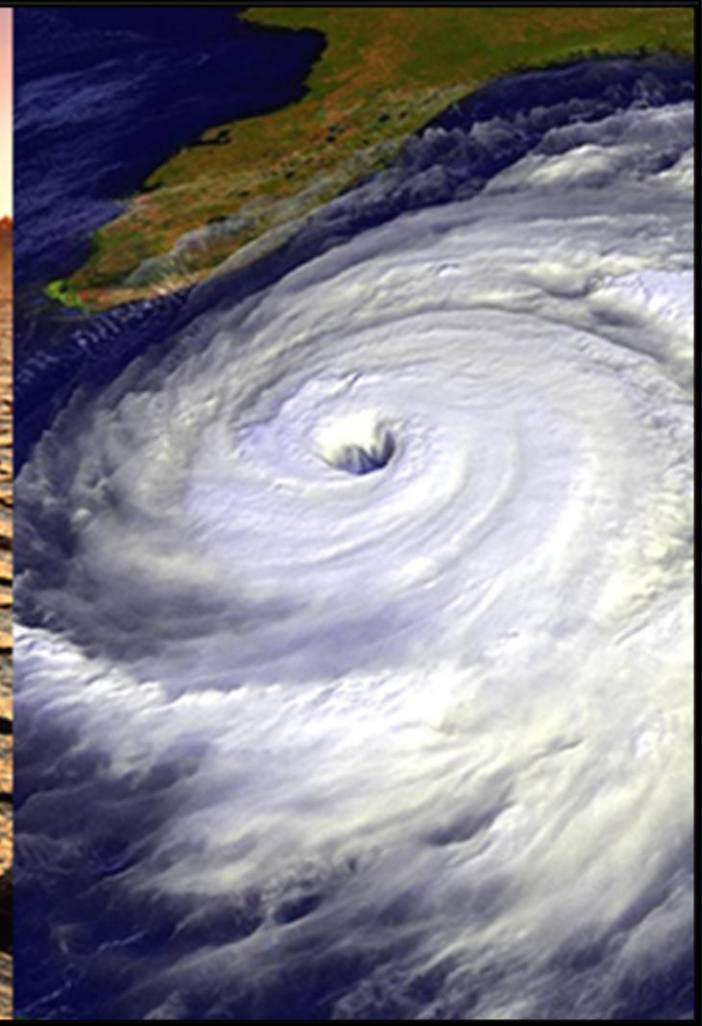
# We Are Facing Ever Increasing Levels of:



Fire



Drought



Storms

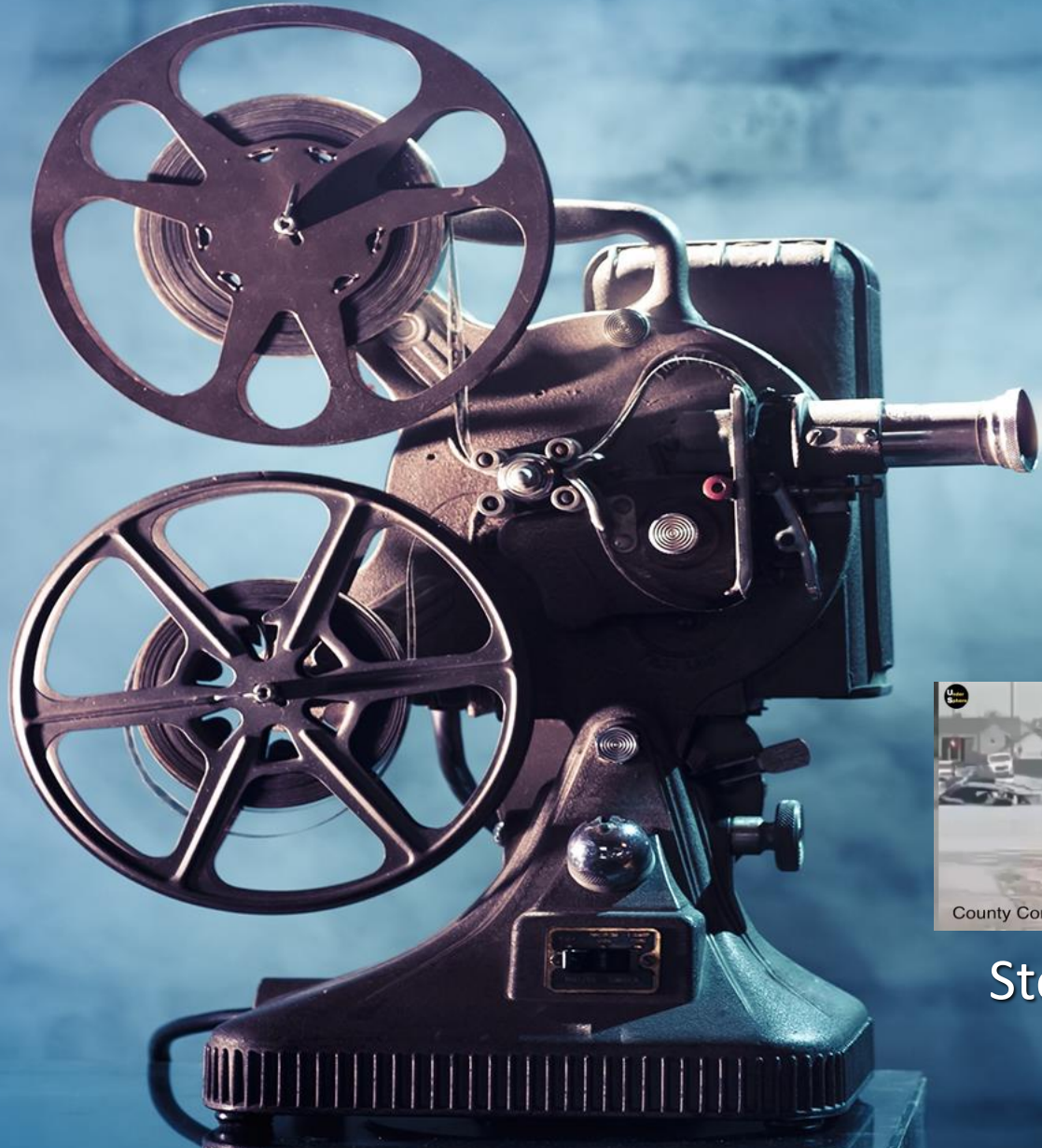


Anxiety Transmits. Do we have a Plan B?



 GFDRR Priority Countries

2.6% of world's population - about 177 million people live in areas vulnerable to chronic flooding.



0:33 secs



October 2023



Storm Babet -  
Midleton



“As the waters rise, millions of people will be displaced creating generations of climate refugees. Will we welcome the people who flee submerged and sinking islands - or will we imprison them?”



“In this theatre of man’s life,  
It is reserved only for God and for angels  
to be lookers-on.”



*Sir Francis Bacon*  
1561 - 1626





Emma Gonzales  
(gun control)



Malala Yousafzai  
(girls education)



Greta Thunberg  
(climate change)

“Activism is the rent I pay for living on this Planet.”



Taking ambitious climate action  
could generate over 65 million new  
low-carbon jobs in 2030.





1:24 secs



Tomorrow -  
Trailer

CÉSARS 2016  
BEST DOCUMENTARY  
FEATURE

OFFICIAL SELECTION  
ONE EARTH  
FILM FESTIVAL 2017

COLCOA FFF  
DOCUMENTARY  
AWARD

UNDER THE MILKY WAY presents

# TOMORROW

TAKE CONCRETE STEPS TO A SUSTAINABLE FUTURE

"REQUIRED VIEWING"  
THE HOLLYWOOD REPORTER

OPENS NATIONWIDE ON APRIL 21<sup>ST</sup> 2017

coproduction MOVIEOVIE FRANCE 3 CINÉMA MARCS FILMS MELLY PRODUCTIONS with the support of L'AGENCE FRANÇAISE DE DÉVELOPPEMENT and de LA RÉGION ÎLE-DE-FRANCE en partenariat avec le CNC, le conseil régional ÎLE-DE-FRANCE, AGRITERGIA, HEDRON, JAMES SACHS/CHRISTOPHE MASSIS, APF, AFFAIRES PUBLIQUES CONSULTANTS with the participation of FONDS DE DÉVELOPPEMENT ÉNERGÉTIQUE with the participation of DISC, FRANCE TÉLÉVISION and coproduction de LE ZOO ASSOCIATIONS production audiovisuelle FREDERICK STANLEY  
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tomorrow-documentary.com /TomorrowDocumentary /UMWFilms @UMWFilms

2015





# The Challenge for Education



**The Collective**

versus



**The Individualised**

**Experience?**



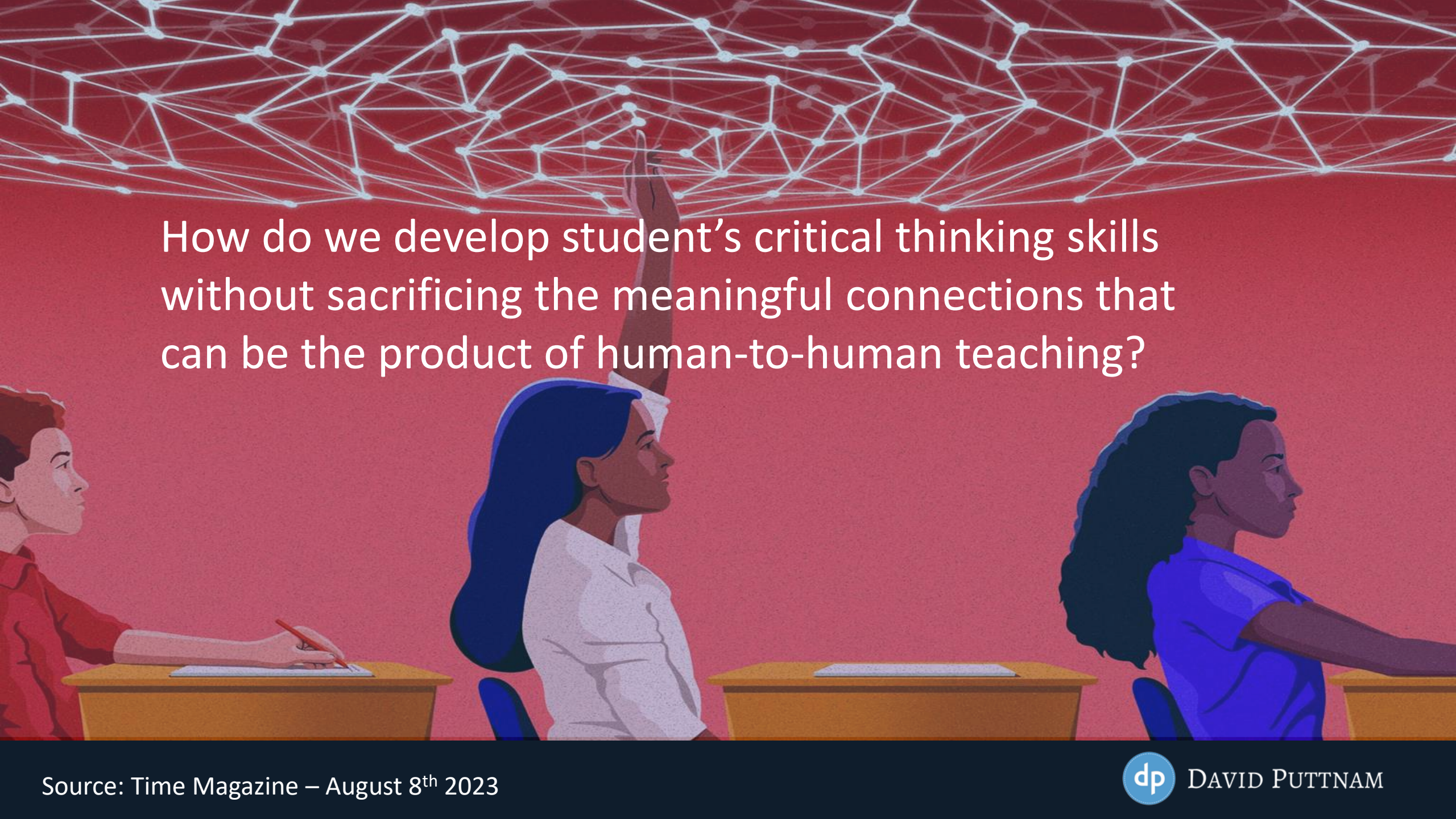
# CHATGPT

 OpenAI



We Need To Talk About AI – And Not Be Afraid of It!



An illustration of three diverse students sitting at desks in a classroom. The student in the middle is reaching up towards a glowing white network diagram that spans the top of the frame. The background is a solid reddish-pink color. The text is centered in the upper half of the image.

How do we develop student's critical thinking skills without sacrificing the meaningful connections that can be the product of human-to-human teaching?