



The Climate Reality Project[®]

Gillian Hamilton

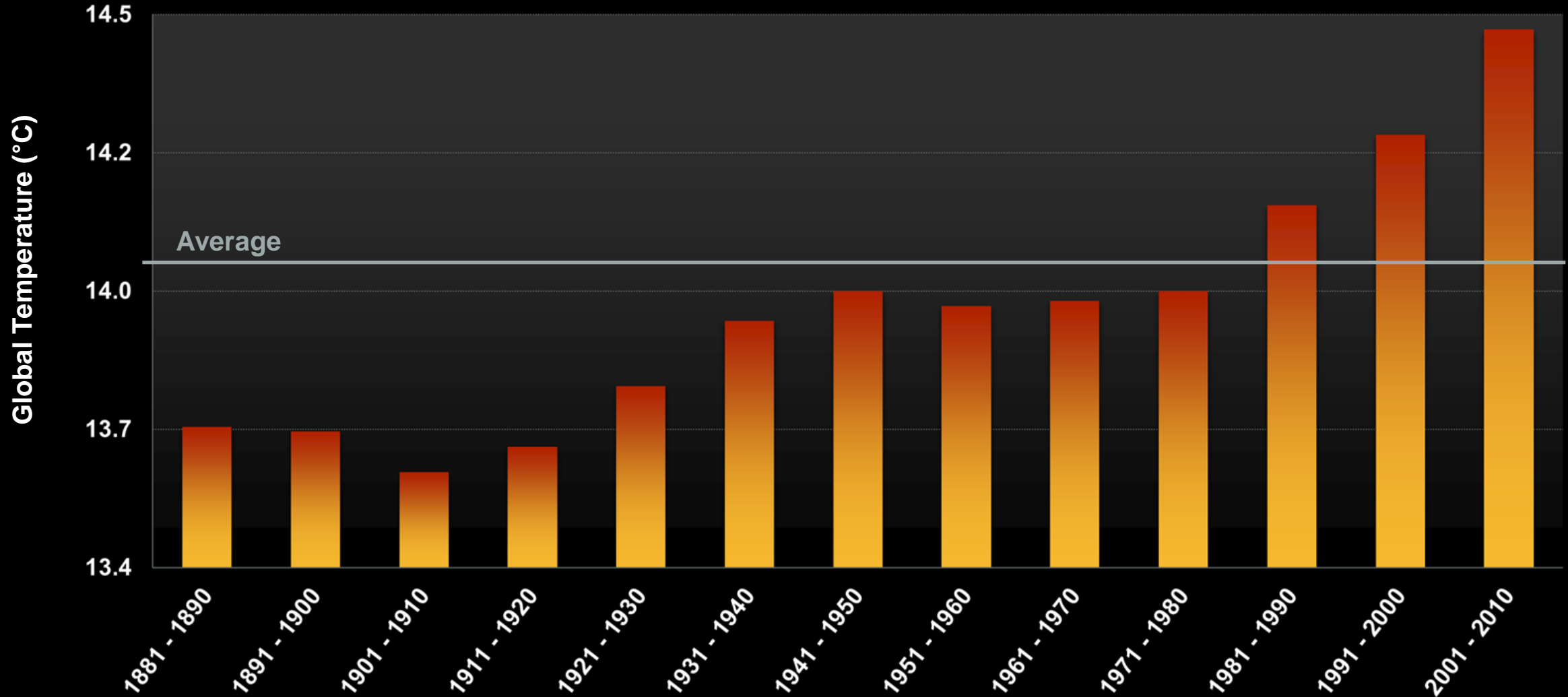
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PROPHET OF DOOM



Global Temperature by Decade

1881 – 2010



Data: World Meteorological Organization, "The Global Climate 2001 - 2010, A Decade of Climate Extremes Summary Report," Fig. 1, 2013

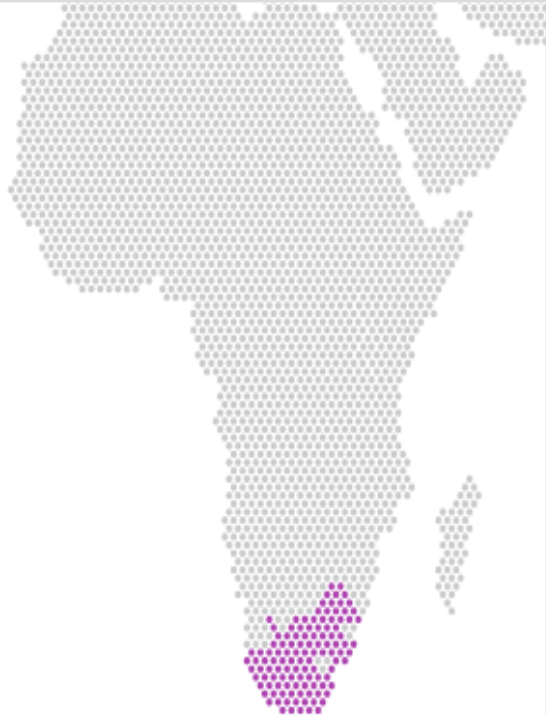
“Africa as a whole is **one of the most vulnerable continents** to climate change due to its high exposure and low adaptive capacity.”

“African ecosystems are **already being affected** by climate change. Future impacts on natural resources, ecosystems, and economic sectors are expected to be **substantial.**”

Intergovernmental Panel on Climate Change

Fifth Assessment Report, 2014

THE PARALLELS



South Africa (2015)

7 million people living with HIV

19.2% adult HIV prevalence

380,000 new HIV infections

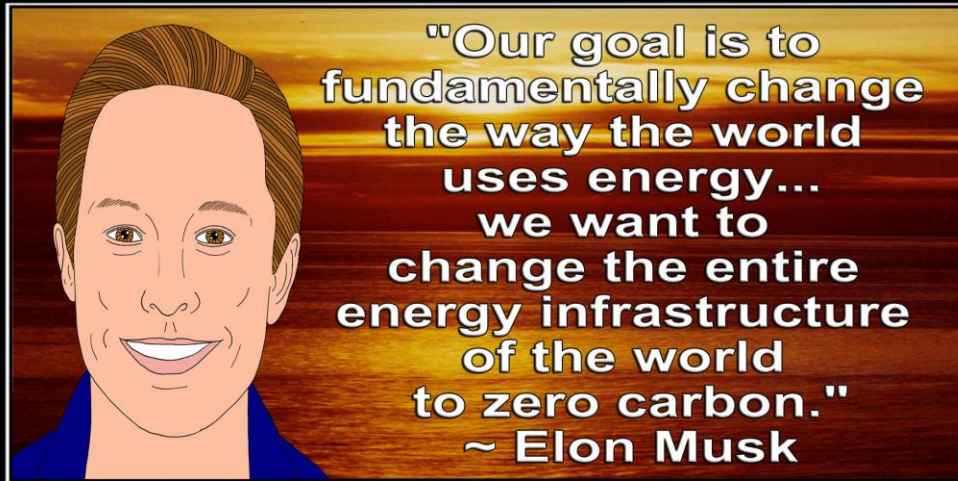
180,000 AIDS-related deaths

48% adults on antiretroviral treatment

Source: UNAIDS Gap Report 2016

CHANGE, FEAR AND GRIEF

Be a Hero for a Better World



BetterWorldHeroes.org

"THE SECRET OF CHANGE IS TO FOCUS ALL OF YOUR ENERGY, NOT ON FIGHTING THE OLD, BUT ON BUILDING THE NEW."

— SOCRATES



US coal industry to decline even further in 2017 — IEEFA

<http://www.mining.com/us-coal-industry-decline-even-2017-ieefa>

7 Stages of Grief

(Modified Kubler-Ross Model)

Shock*

• Initial paralysis at hearing the bad news.

Denial

• Trying to avoid the inevitable.

Anger

• Frustrated outpouring of bottled-up emotion.

Bargaining

• Seeking in vain for a way out.

Depression

• Final realization of the inevitable.

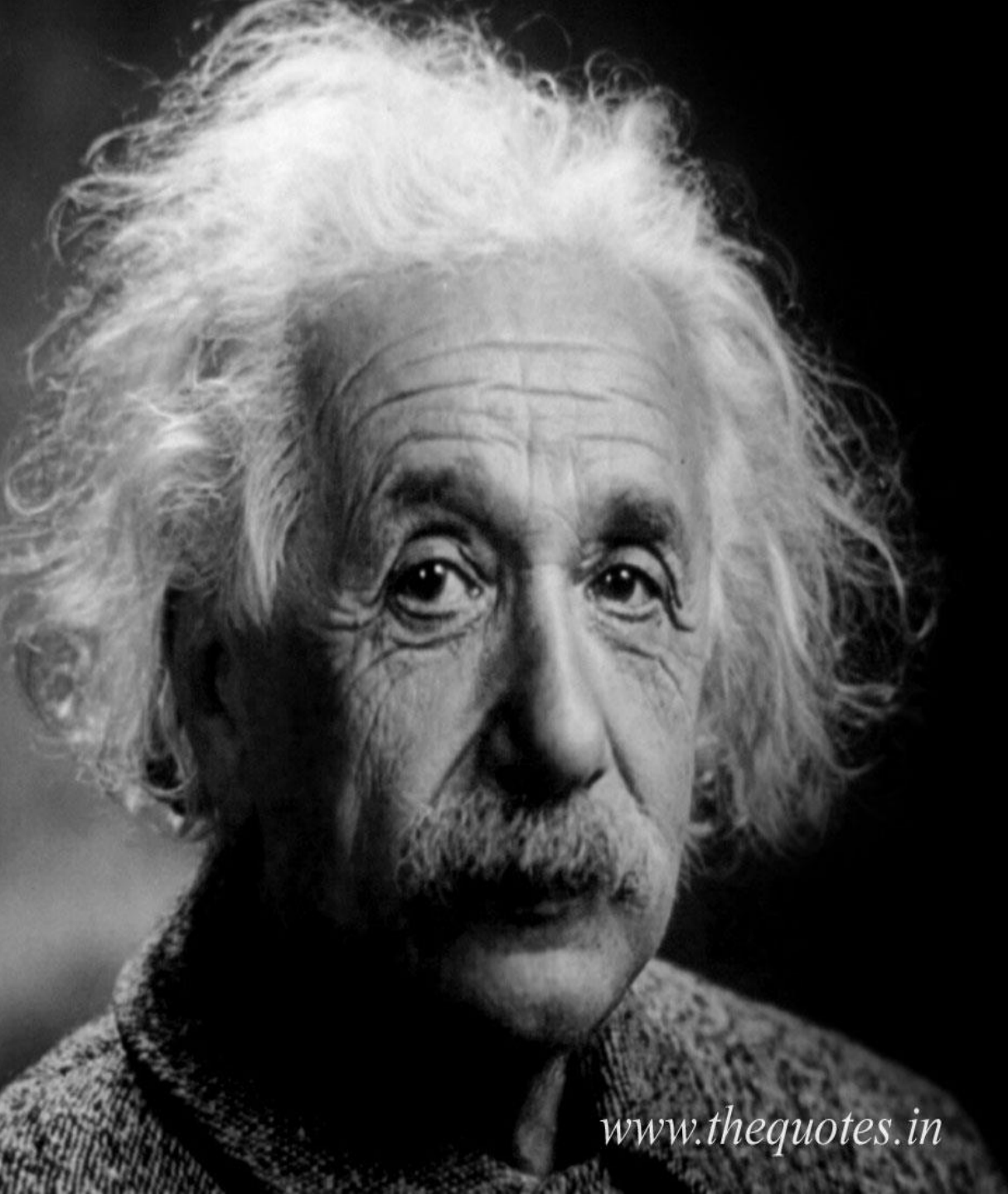
Testing*

• Seeking realistic solutions.

Acceptance

• Finally finding the way forward.

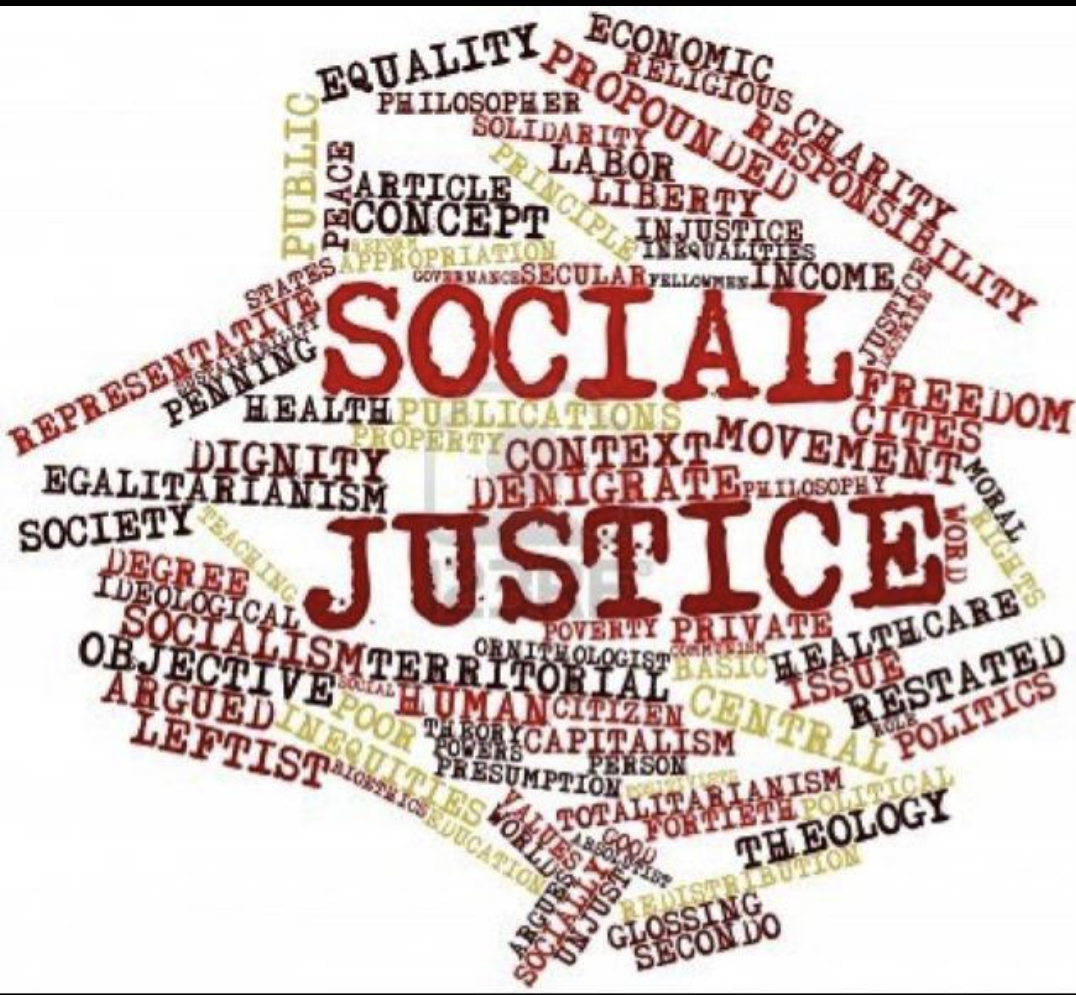
* This model is extended slightly from the original Kubler-Ross model, which does not explicitly include the Shock and Testing stages. These however are often useful to understand and to facilitate change.



Insanity: doing the same thing
over and over again and expecting
different results.

Albert Einstein

Social and Generational Justice



African Climate Reality Project Concerns About IRP and IEP:

PROCESS COMMENTS AND CONCERNS:

1. The consultation process has not felt as if there is an even playing field between Department of Energy, the public and other interested parties.
2. ACRP would like the IEP be finalised first; and the IRP should be suspended until IEP process is complete.
3. The IEP process should adopt the lowest cost scenario; without unjustified constraints on any technology.
4. ACRP wants the public be allowed to comment again on any policy adjustment to the IRP made following the current consultation.
5. ACRP wants DoE to receive comments in writing and for all interested parties to have access to these comments.
6. ACRP wants all nuclear plans suspended as long as the updated IRP is not finalised.

African Climate Reality Project Concerns About IRP and IEP:

CONTENT CONCERNS AND COMMENTS:

1. ACRP completely rejects the need for any additional nuclear energy to be factored into South Africa's energy mix.
2. There are questionable constraints applied to Renewable Energy and the justification of nuclear costs.
3. Why has the CSIR Re-optimised case not been used?
4. Each IEP scenario should present a socio-economic impact on jobs (losses and gains).
5. Each IEP scenario should determine the true impact on all water resources in Southern Africa.

African Climate Reality Project Concerns About IRP and IEP cont.

CONTENT QUERIES CONT.

6. Each IEP scenario should determine the environmental impact on all natural capital in Southern Africa, including oceans.

7. Low-carbon transport constraints must be factored into the transport sector demand model.

8. ACRP has concerns regarding the absence of planning for the grid and a true reflection of grid flexibility.

9. ACRP believes that carbon emissions and climate change have not fully been accounted for.