



MEDECINS SANS FRONTIERES
DOCTORS WITHOUT BORDERS



CLIMATE, ENVIRONMENT AND HEALTH:

Diálogos Futuro Sustentável

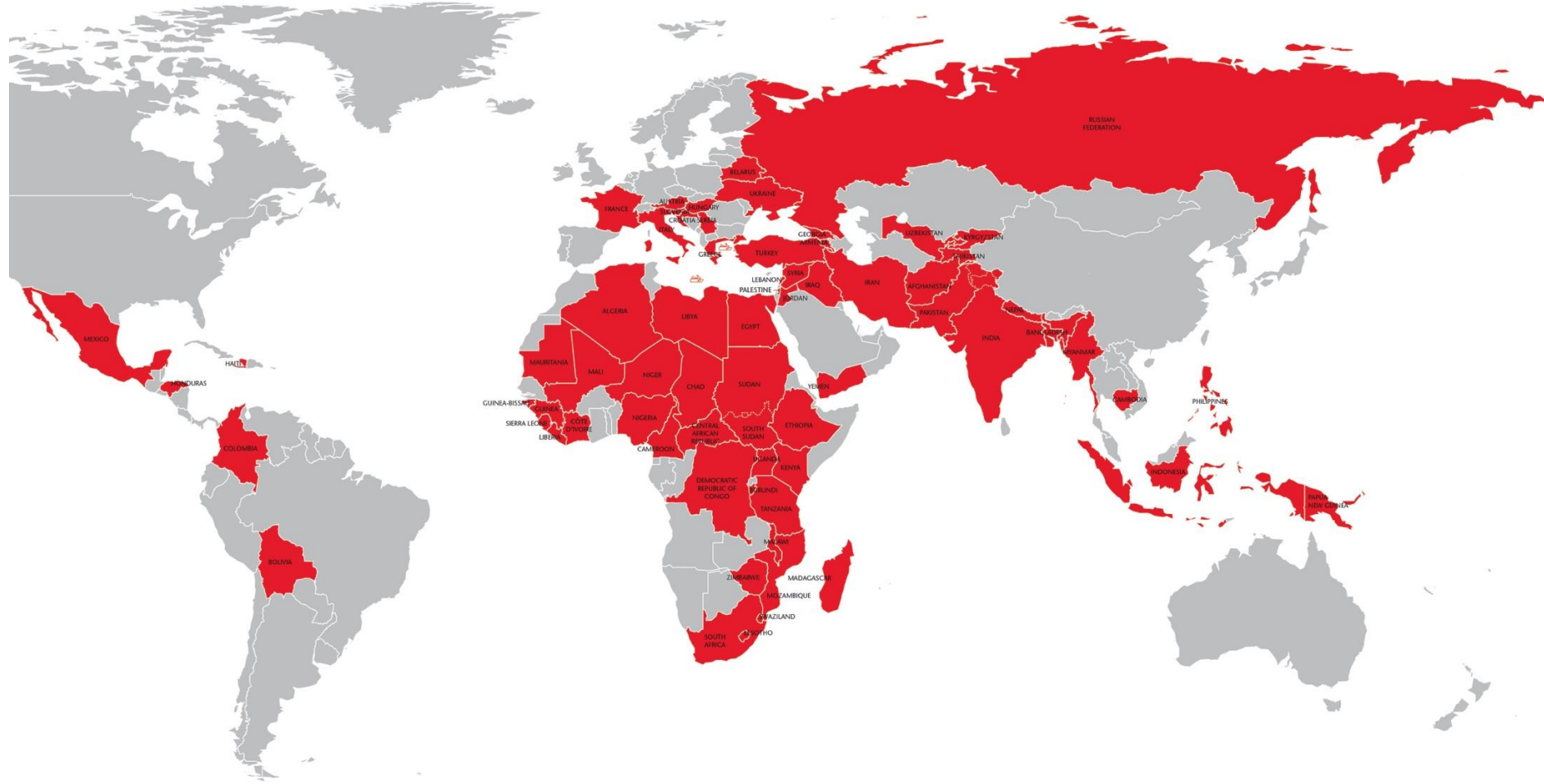
September 13, Brasilia

Carol Devine





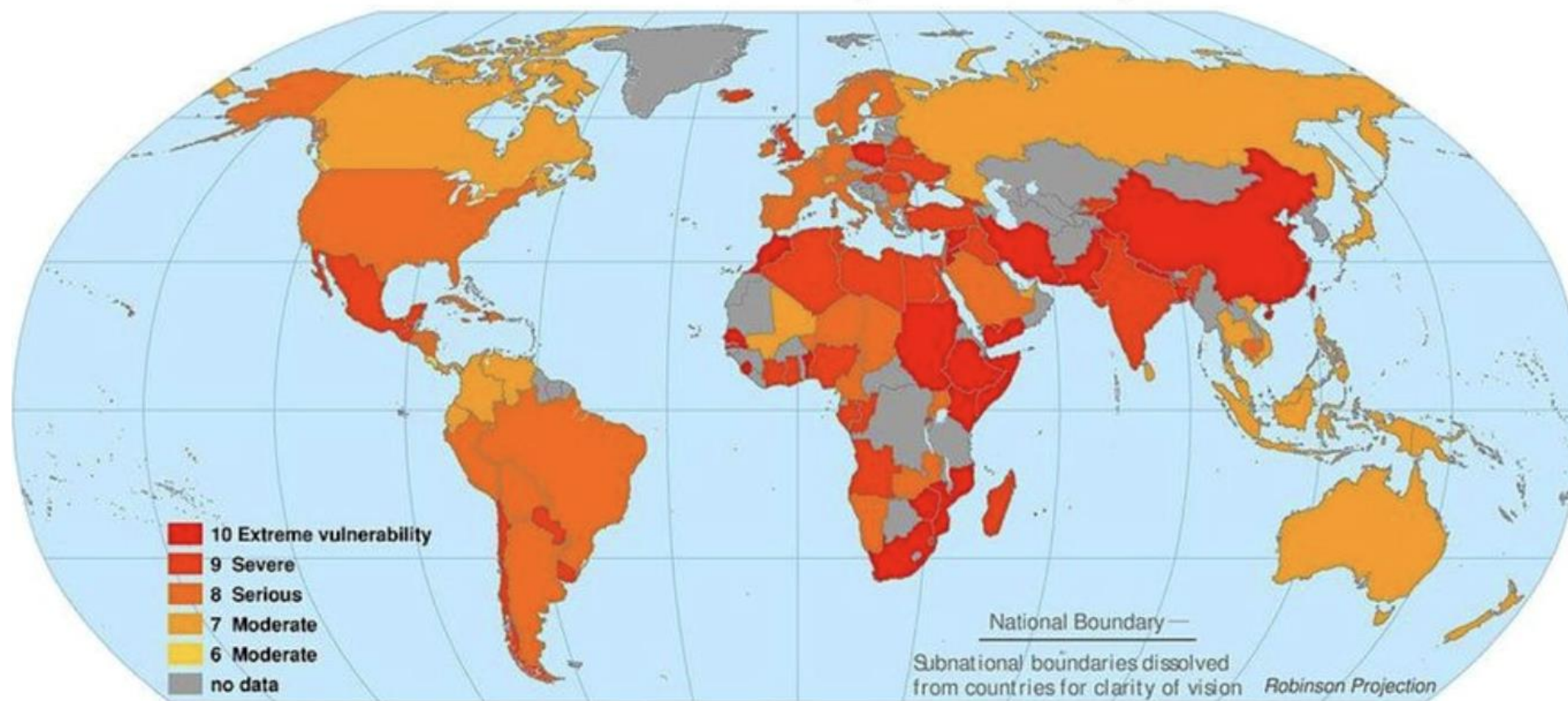
sans frontières



Armed conflicts, refugee crises, natural disasters, exclusion from healthcare, epidemics of infectious diseases

Global Distribution of Vulnerability to Climate Change

Combined National Indices of Exposure and Sensitivity



Scenario B2 in Year 2050 with Climate Sensitivity Equal to 5.5 Degrees C
Annual Mean Temperature with Extreme Events Calibration



Overall purpose of MSF Founded 1971

Preserve Life

Alleviate Suffering

Protect Human Dignity

Restore Ability of People to Make Their
Own Decisions

CHARTER

“Médecins Sans Frontières observes, **independence, neutrality and impartiality** in the name of universal **medical ethics...**”

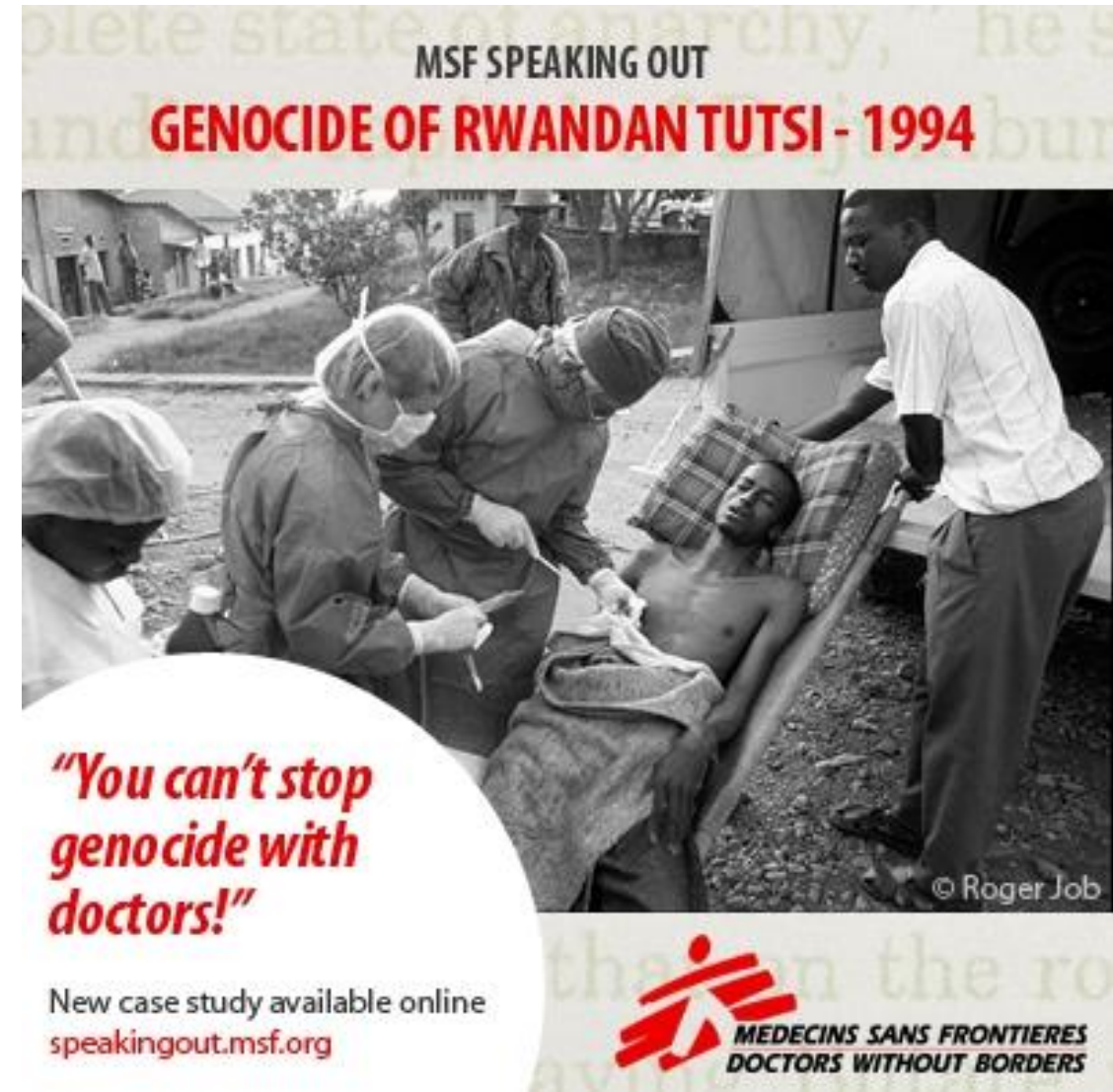


Dual action: Témoignage

*“Two inseparable elements are combined in MSF’s work: **medical aid** and **witnessing (temoignage)**”*

MSF Speaks Out examples:

- 1985: Ethiopia
- 1994: Rwanda
- 1995: Serbia
- 2004: Darfur
- 2000+: HIV, Drug pricing
- 2014: Ebola West Africa





anne Friedel / SOS MEDITERRANEE



We are concerned

Fresh water availability ↓

Forest ↓

Biodiversity ↓

Average temperatures ↑

Sea rise ↑

Changing precipitation ↑



**POLLUTION
KILLS
THE POOR
AND THE
VULNERABLE.**

92% of deaths

occur in low- and
middle-income
countries. Children
are most affected.





Seeing climate and health impacts

Climate, Extractives & Health Map





ABOUT MSF

ACTIVITIES

NEWS

RESOURCES

Aral Sea: Where's the beach?



Responding to an environmental health disaster in Central Asia

9 July 2003





direct
impact on
health

Lead Poisoning Crisis in Zamfara State northern Nigeria

MSF Briefing Paper
May 2012



Photo: David H. Green



Extreme weather, undernutrition
Philippines, Nigerian refugees in Cameroon

World Malaria Day: five challenges in the fight against the disease



25 April 2016

Although the number of cases of and deaths related to **malaria** has been declining steadily for 15 years, the disease continues to cause more than 400,000 deaths annually, primarily in Africa (90% of deaths) and among children (70% of deaths) [source: WHO, *World Malaria Report, 2015*].

To improve prevention, diagnosis and treatment, limit the spread of the parasite, and address the many challenges that the disease poses requires a combination of multiple strategies.

1. The impact of climate change



Lexie Cole/MSF









MSF responding to health needs for Rohingya refugees in Bangladesh,
malaria in DRC.



— Rohingya refugee crisis

**Needs for clean drinking water are
still extreme**

FRAMING



Disproportionate vulnerability

Rising temperatures

Natural disasters & extreme weather

Localized environmental degradation



MSF Footprint

- **‘Footprint Audit’** for insight into opportunities for MSF to mitigate its environmental footprint – understand what’s been done to date, pilot a methodology, use data and analytics to aid MSF decision making and strategic planning and scale

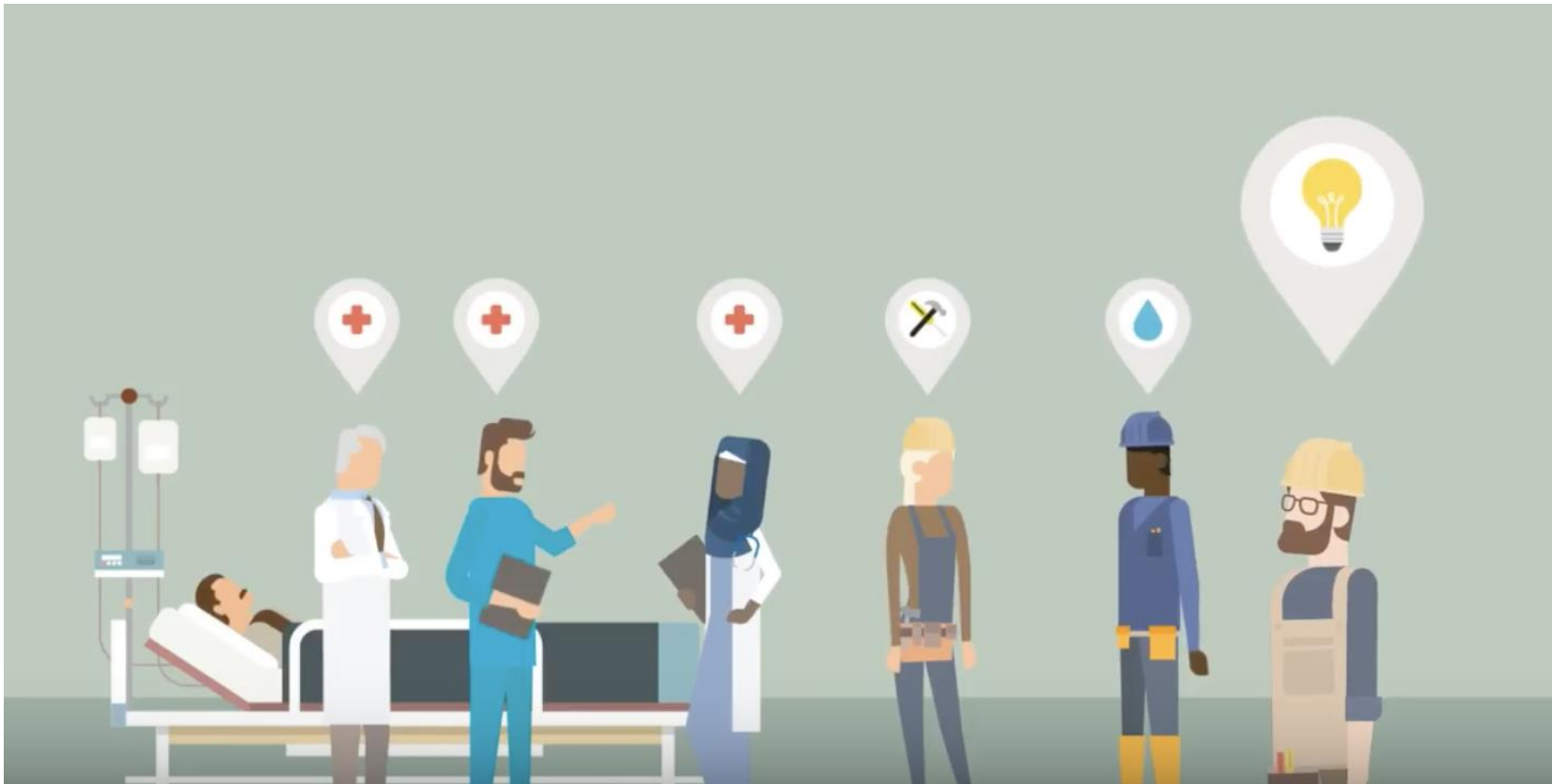


THE OCB ENERGY VISION



- consider potential of all energy alternatives (generators, photovoltaic solar panels, solar thermal panels, etc.)
- challenge traditional logics of energy planning and explore new approaches to satisfy MSF operational needs and to increase the positive impact on our beneficiaries.

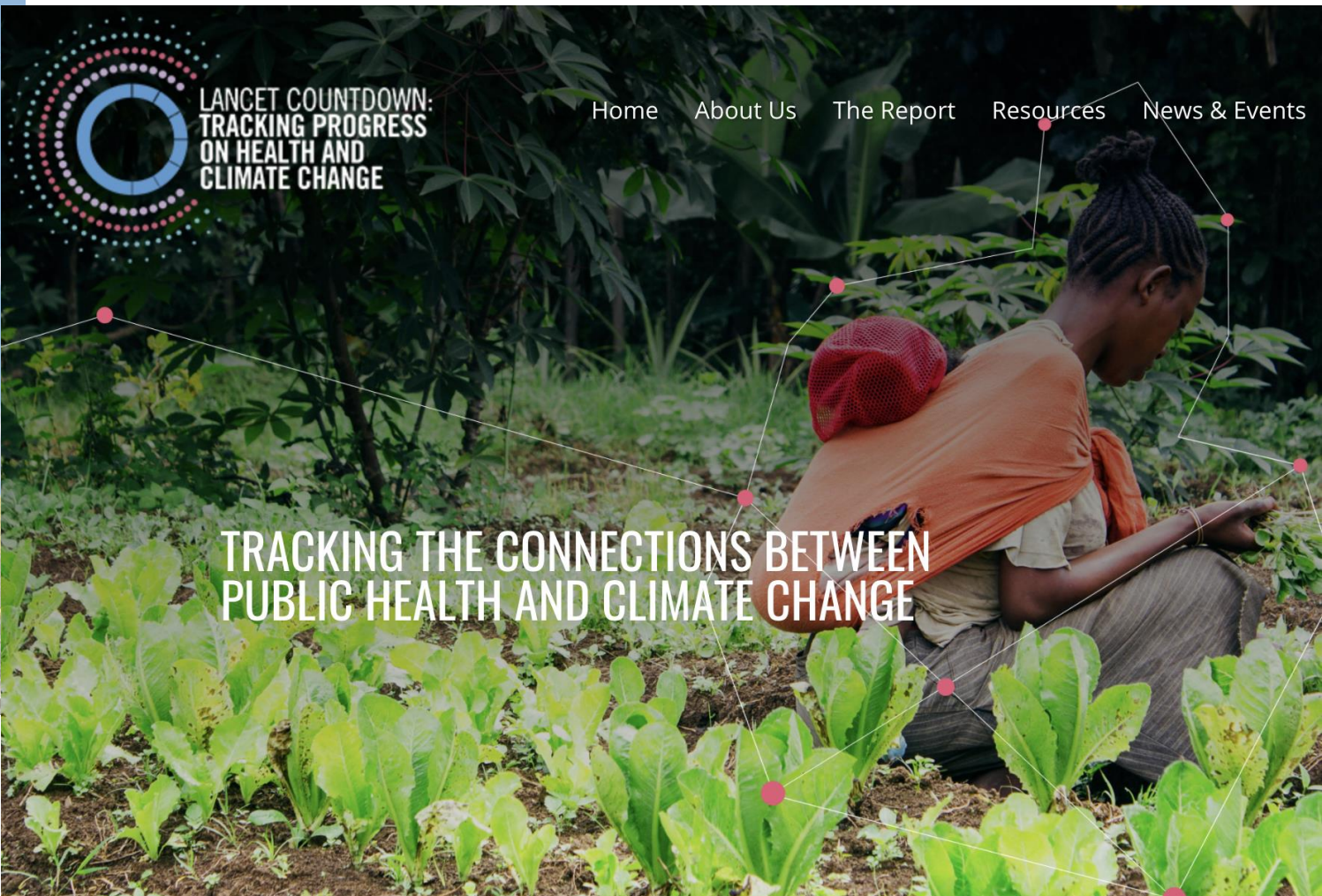
The Good News?





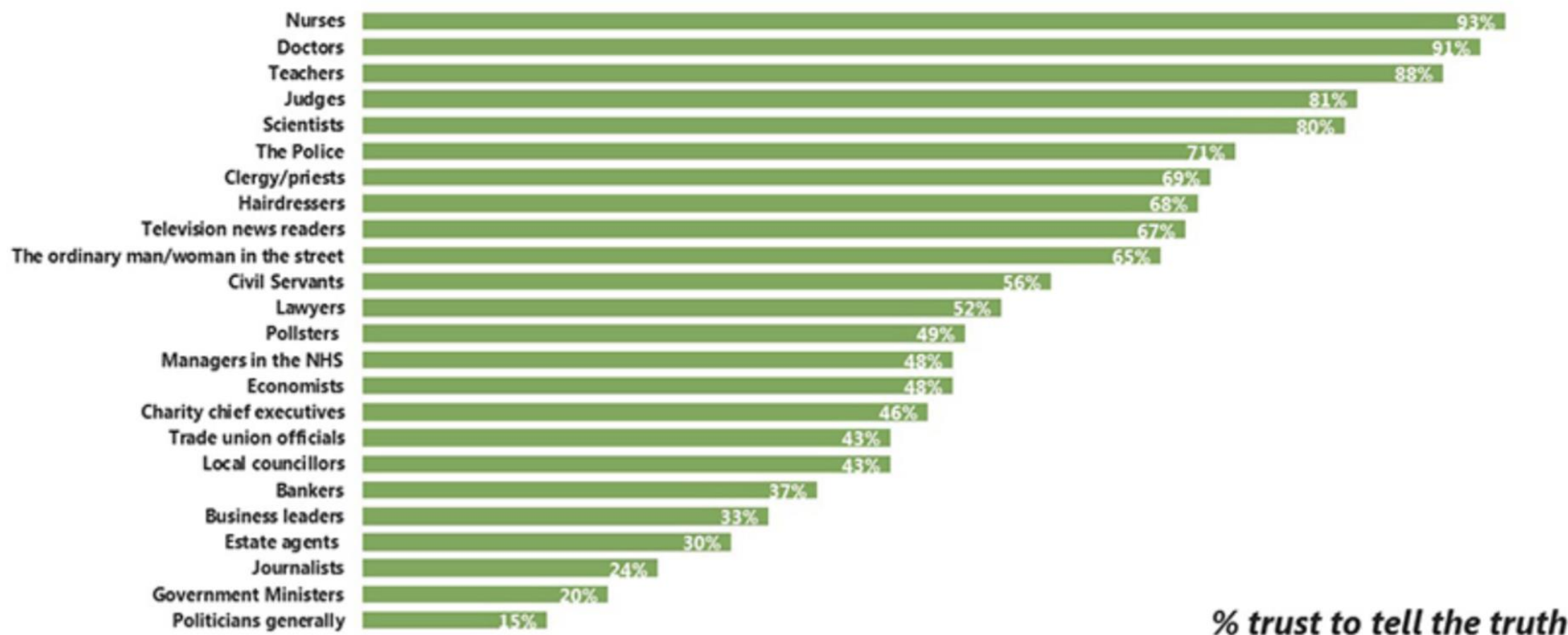
TACKLING CLIMATE CHANGE COULD BE THE GREATEST GLOBAL HEALTH OPPORTUNITY OF THE 21ST CENTURY

The Lancet, June 2015



Veracity Index 2016 – all professions overview

"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?"





The *Lancet* urges voice of the health profession in
*“driving progress on climate change and realizing
the health benefits of this response”*

2017
MSF
Scientific
Days



An aerial photograph of a glacier, showing a vast expanse of blue and white ice. The ice is broken up into many small, jagged pieces, creating a textured surface. A circular inset in the lower right corner provides a closer look at the ice's structure, revealing a complex, crystalline pattern. The word "Questions?" is written in a bold, black font over the inset, with a horizontal line underneath it.

Questions?