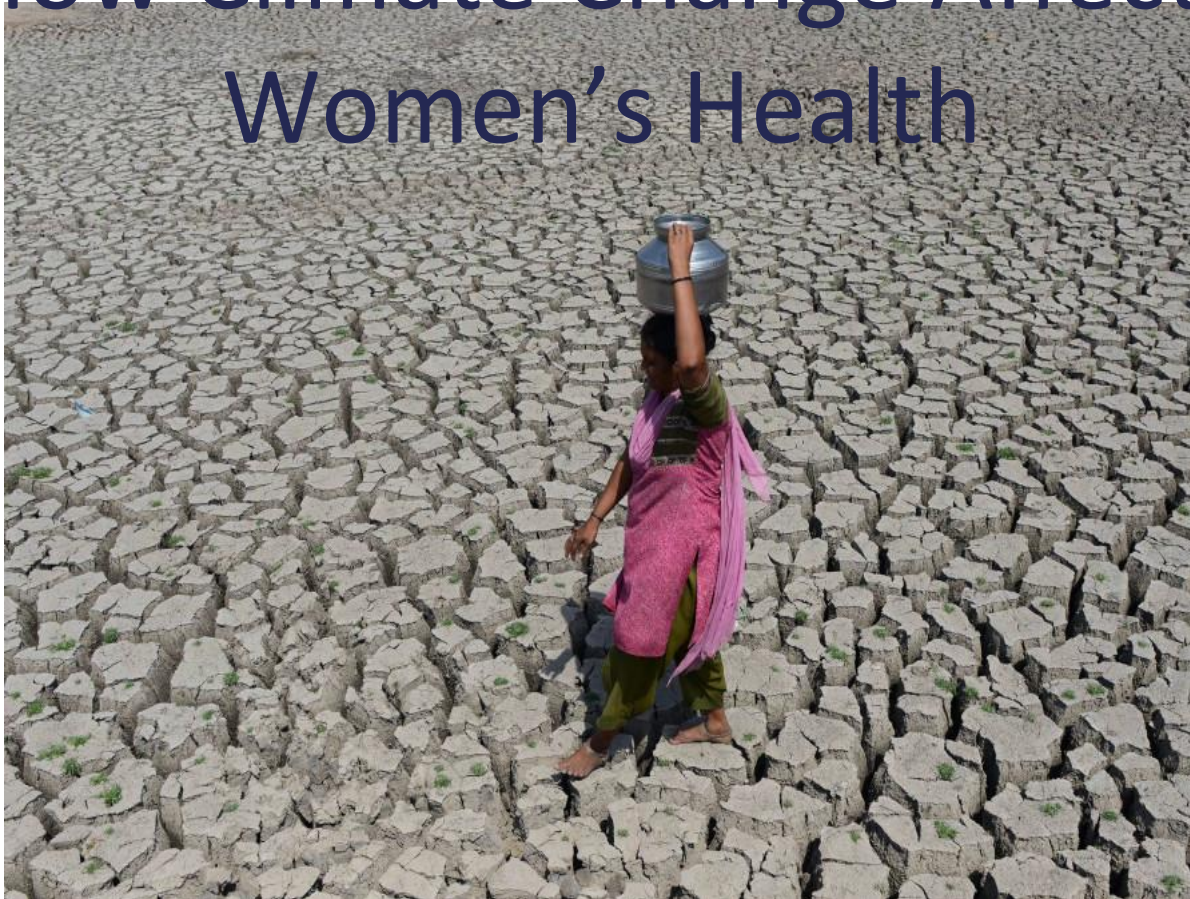


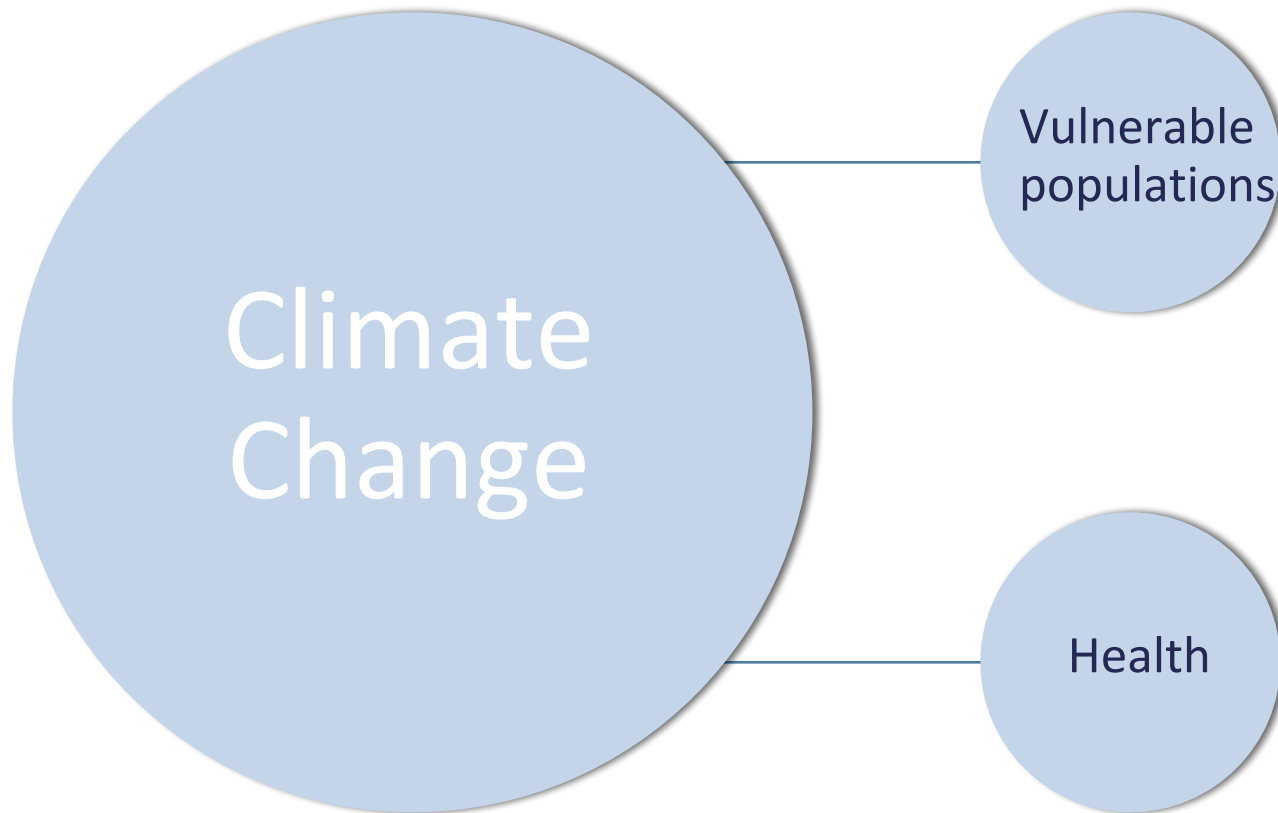
# Women Under The Weather: How Climate Change Affects Women's Health



Dr. Sadhbh Lee

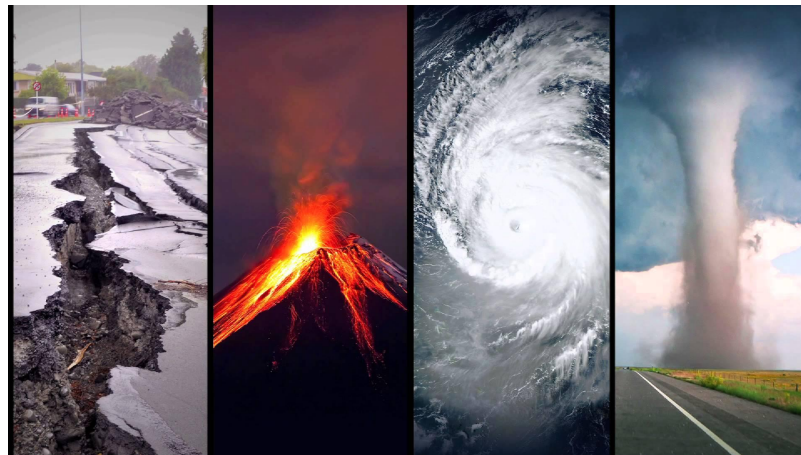
Irish Doctors for the Environment

September 12<sup>th</sup> 2019



# Effects of Climate Change on Women's Health

## General



Specific





# Climate Change and Pregnancy



Food  
Insecurity

Air Pollution

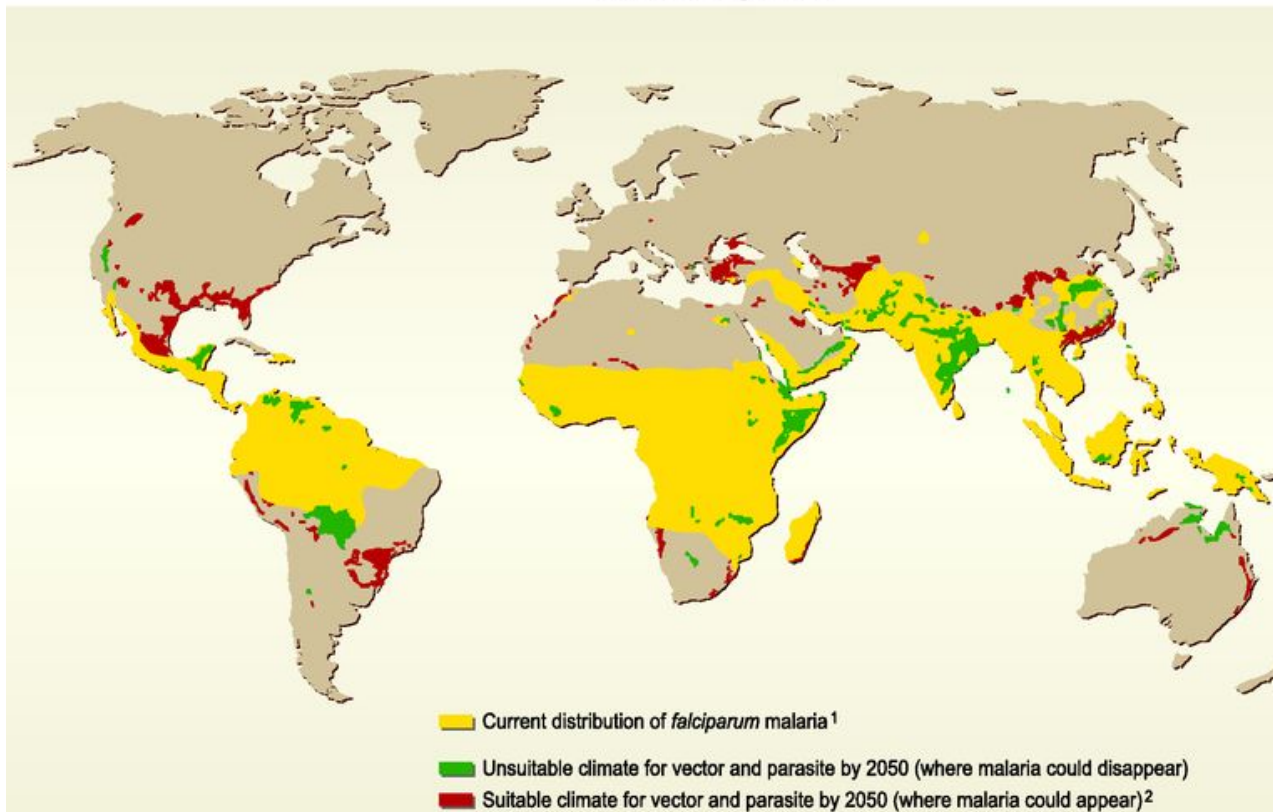
Extreme Heat

Water Scarcity

Vector-borne  
Diseases

Natural  
Disasters

## Malaria by 2050

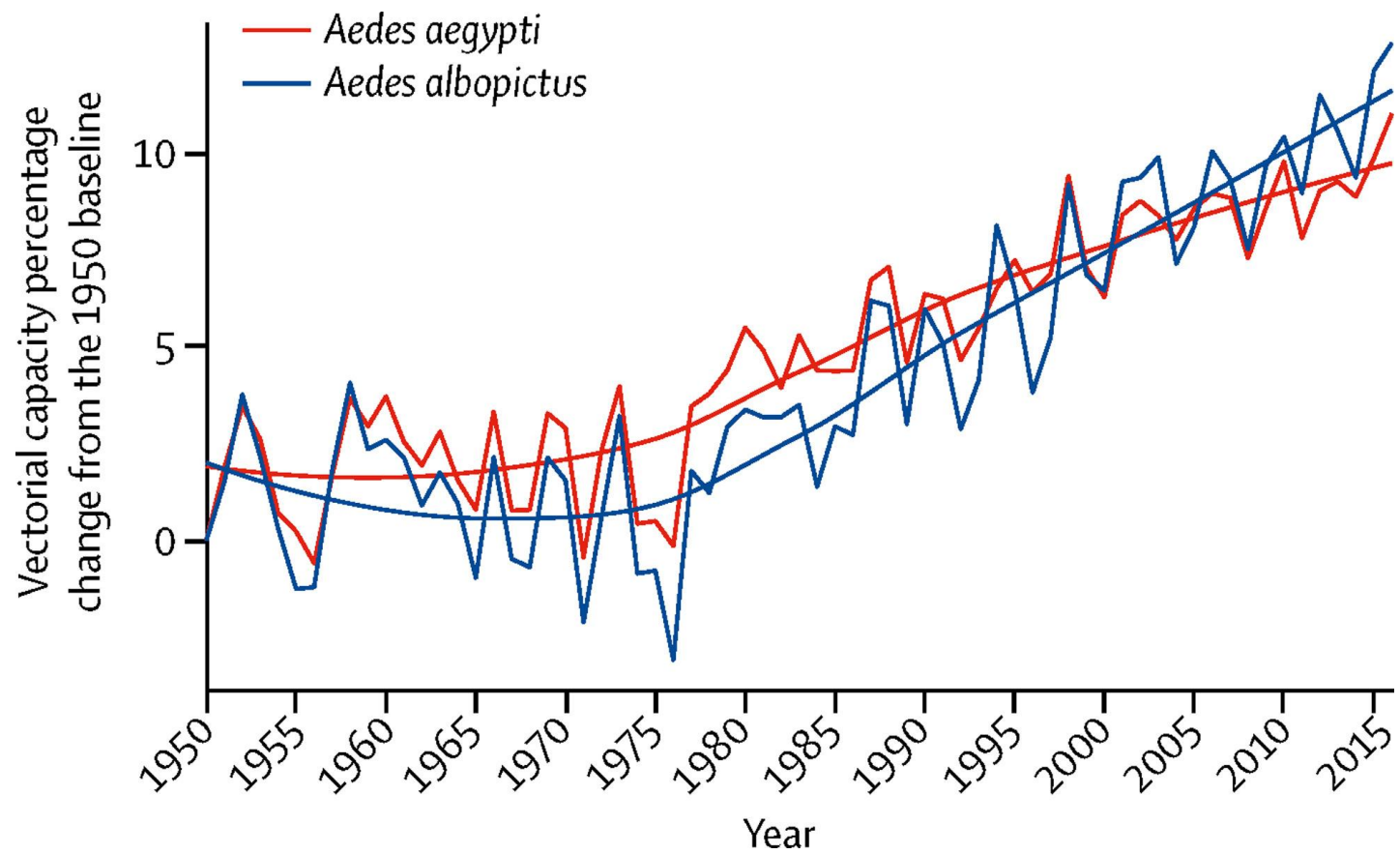


1 - *Plasmodium falciparum* is a parasite that causes malaria in humans. It is transmitted by the *Anopheles* mosquito. The current distribution represents the maximum extent of the distribution of the parasite and its vector.

2 - The areas of appearance and disappearance are about equal in extent and have about the same number of inhabitants (about 400 million in each).

These assumptions are based on the HadCM2 high climate scenario.

Sources: Rogers D. and Randolph S., 2000, *The Global Spread of Malaria in a Future, Warmer World*; Ahlenius H., 2005, *UNEP/GRID-Arendal Maps and Graphics Library*.



# Adverse effects

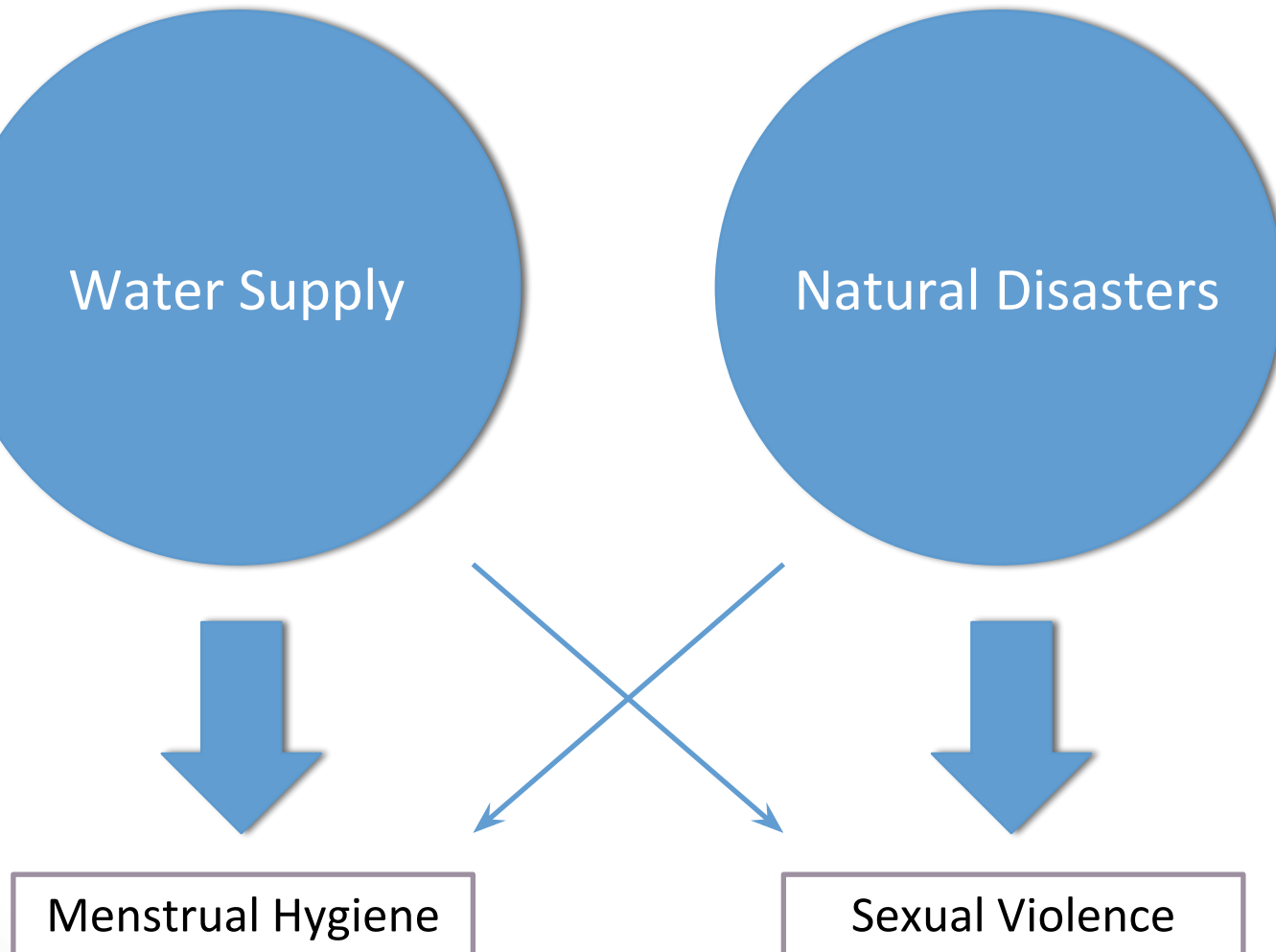
## **Maternal:**

- Access to health services
- Miscarriage
- Malnutrition
- Gestational diabetes
- Pre-eclampsia
- Mental health disorders
- Death

## **Fetal:**



# Climate Change and Sexual/Reproductive Health



# Climate Change and Contraception

- Over 200 million women lack access to contraception (1)
- 76 million unintended pregnancies/year (1)
- Population projected to grow to 10 billion by 2050 (2)
- Family planning methods 5 times cheaper than conventional green technologies (3)

*“Climate change is a man-made  
problem with a feminist  
solution”*

Mothers of Invention

# References

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- 2: World Population Prospects: The 2017 Report. The United Nations Population Division, 2017
- 3: Fewer Emitters, Lower Emissions, Less Cost: Reducing Future Carbon Emissions by Investing in Family Planning. Thomas Wire, LSE, 2009
- 4: Kaur R et al: Menstrual Hygiene, Management, and Waste Disposal: Practices and Challenges Faced by Girls/Women of Developing Countries. [J Environ Public Health](#). 2018; 2018: 1730964. Published online 2018 Feb 20. doi: [10.1155/2018/1730964](#)
- 5: Gender, Climate Change and Health: Public Health & Environment Department (PHE) Health Security & Environment Cluster (HSE) World Health Organization (WHO) Avenue Appia 20 – CH-1211 Geneva 27 – Switzerland
- 6: Dadvand P et al: Maternal Exposure to Particulate Air Pollution and Term Birth Weight: A Multi-Country Evaluation of Effect and Heterogeneity. [Environ Health Perspect](#). 2013 Mar; 121(3): 267–373. Published online 2013 Feb 6. doi: [10.1289/ehp.1205575](#)

# Thank you.

- Questions?

