

Science Engagement: Communicating with Society

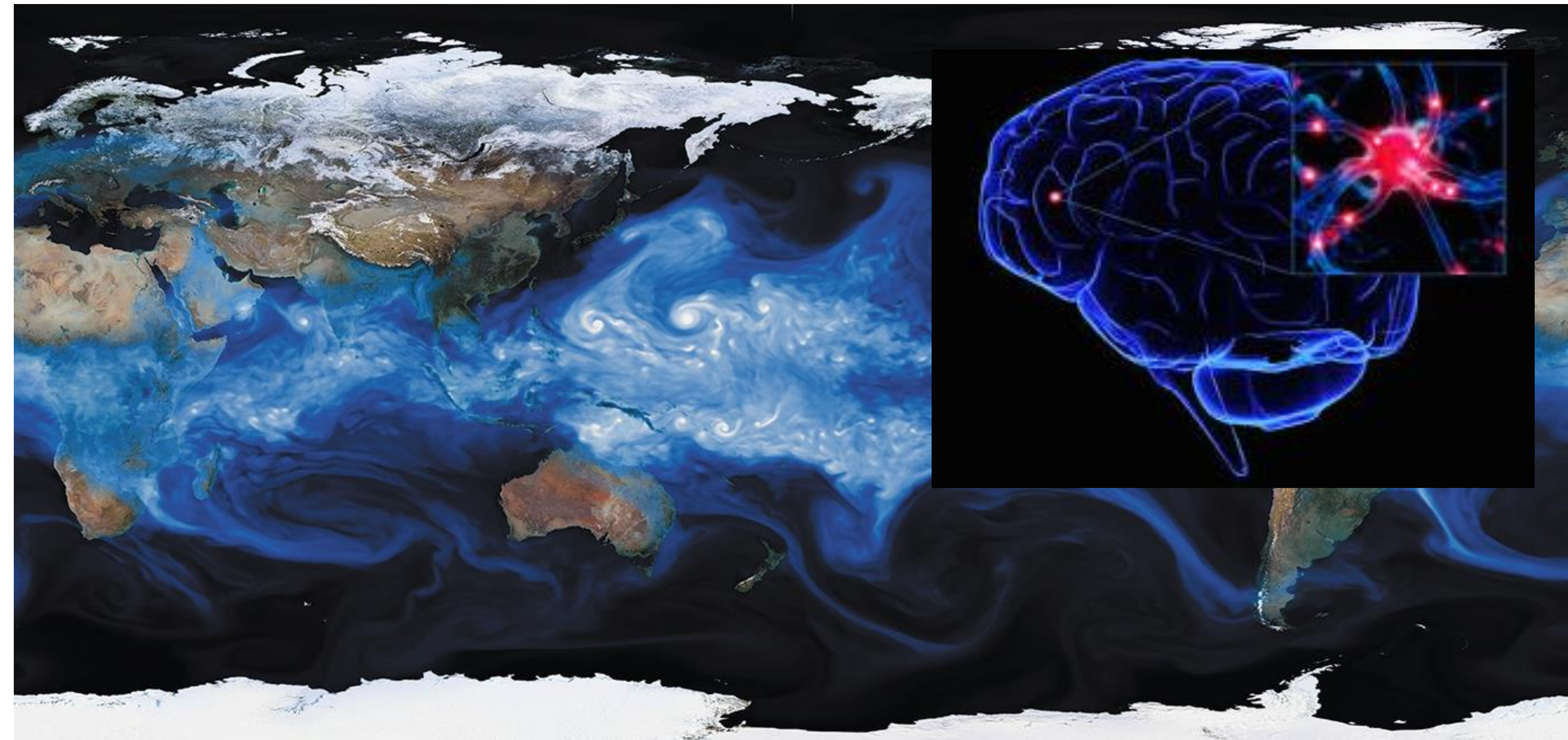
How can scientists play a role in
society?



Lesson learned and models to apply

Rana Dajani, PhD
Jordan

World Science Forum 2015, Budapest, Hungary

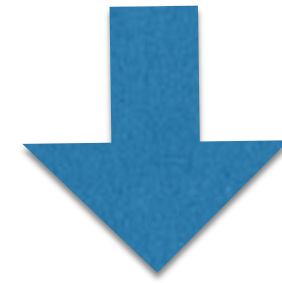


“Wise to include a random element in a learning machine”

Alan Turing



Thermal noise



random fluctuations

Human creativity is the by product of randomness

A large commercial airplane, likely a Boeing 747, is shown from a low angle, flying upwards and to the right. The aircraft is white with a blue stripe along the fuselage. It has four engines mounted on the wings. The sky is filled with soft, white clouds. In the bottom left corner, there is a small, dark, irregular shape, possibly a person's head or a part of the camera lens.



World Science Forum 2017

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Youth bulge

highly educated

unemployment



Young Scientists recommendation



Innovation is within the interdisciplinary boundaries



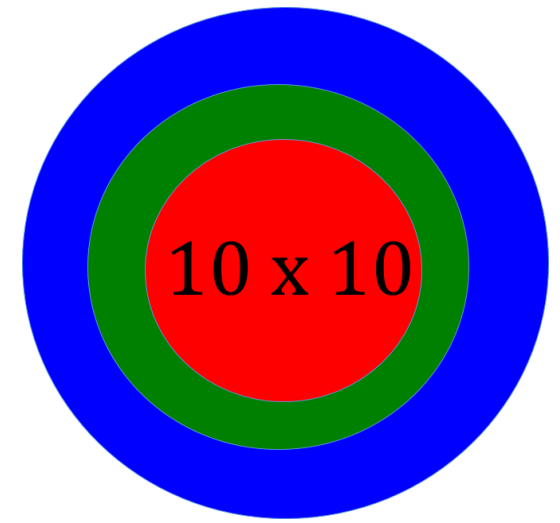
نحن نحب القراءة
WE LOVE READING



Science and society competition



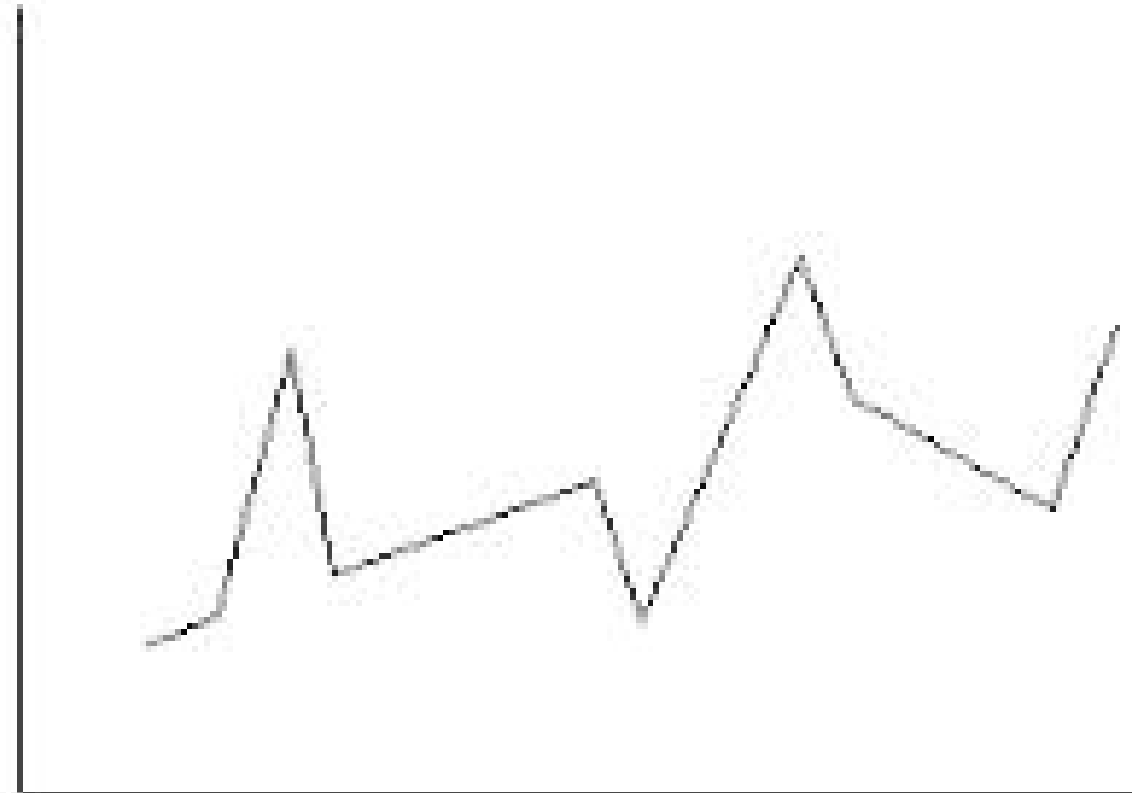
Three Circles of Alemat



5 GENDER
EQUALITY



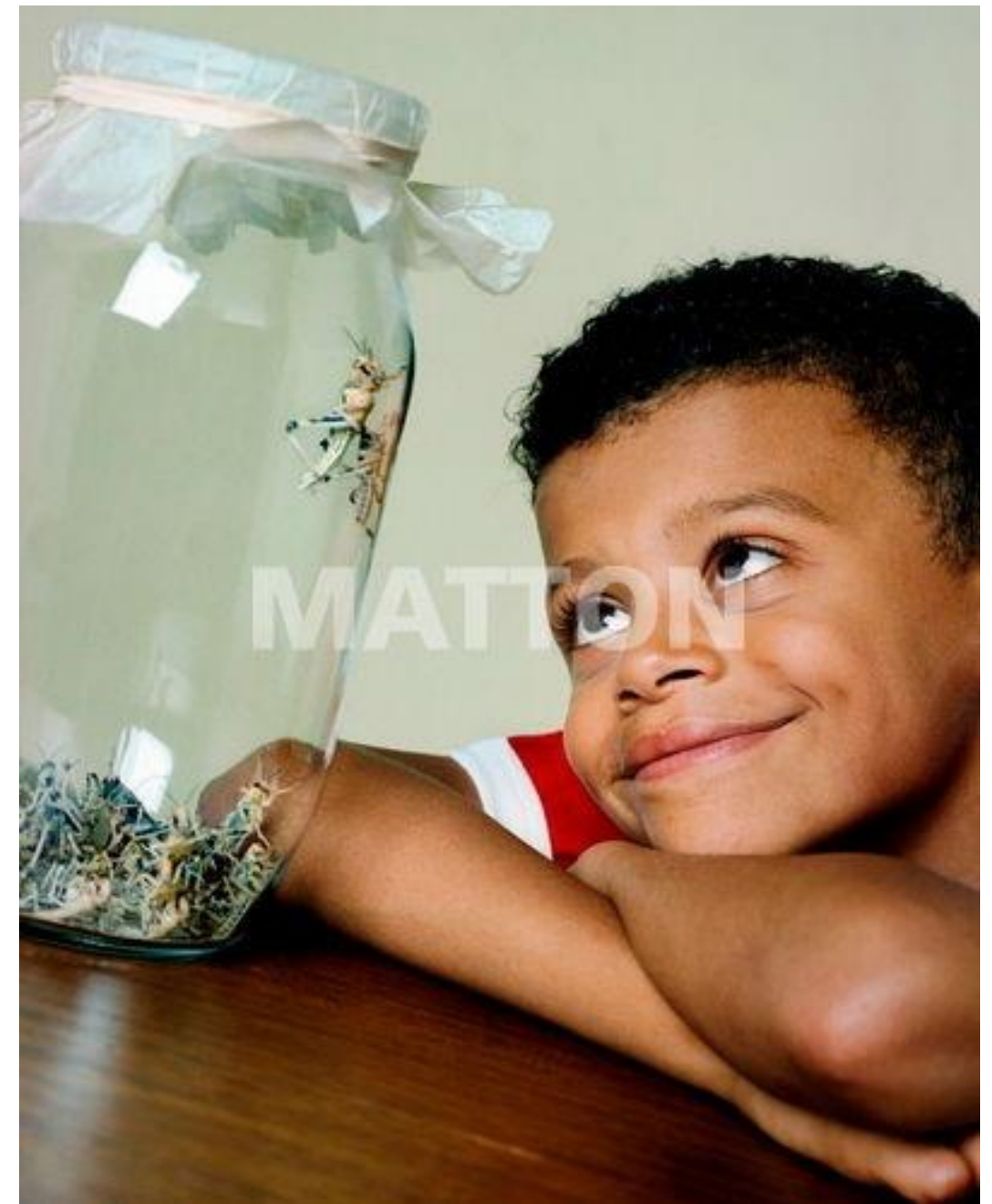
Freedom...





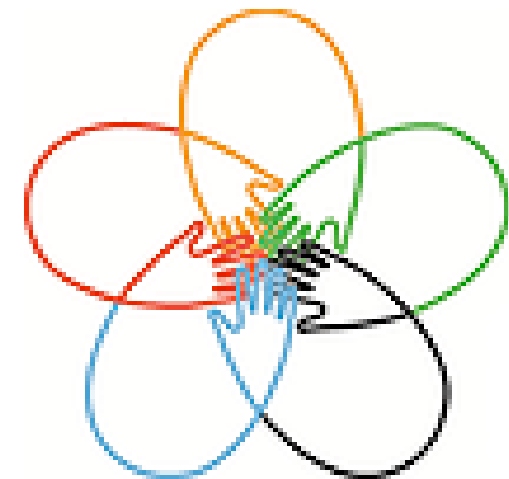
Education is not the filling of a pail but
the lighting of a fire.

William Yeats



within academia..

- Problem Based Learning
- Drama
- Novel reading for novel learning
- Global Civics



Cell biology and the media

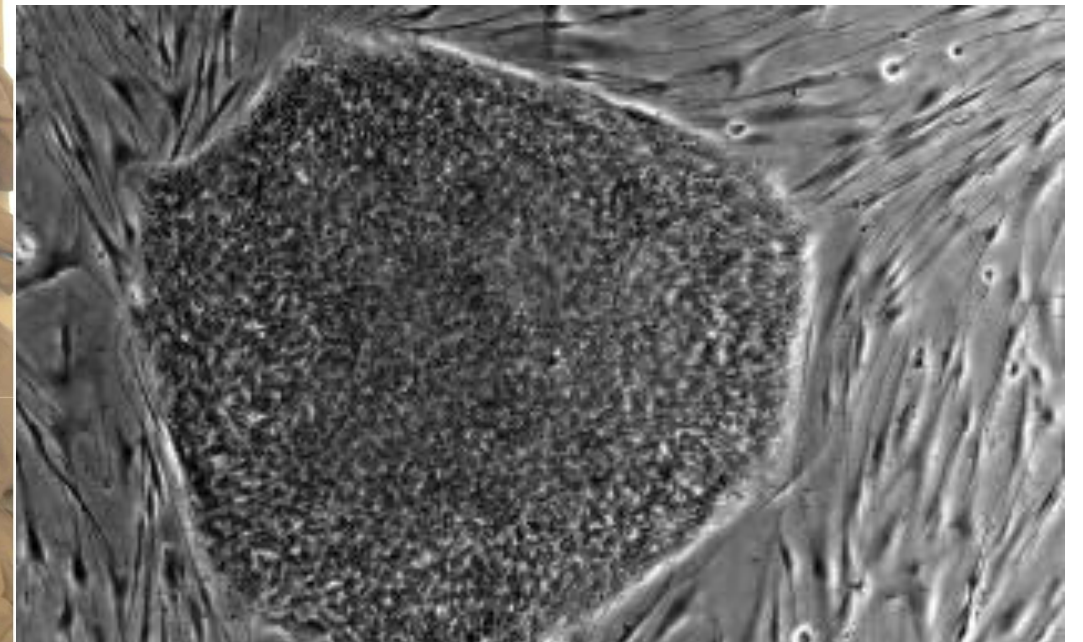
Service Learning





Recycled Science Art

Induced Pluripotent Stem Cell Colony on MEFs



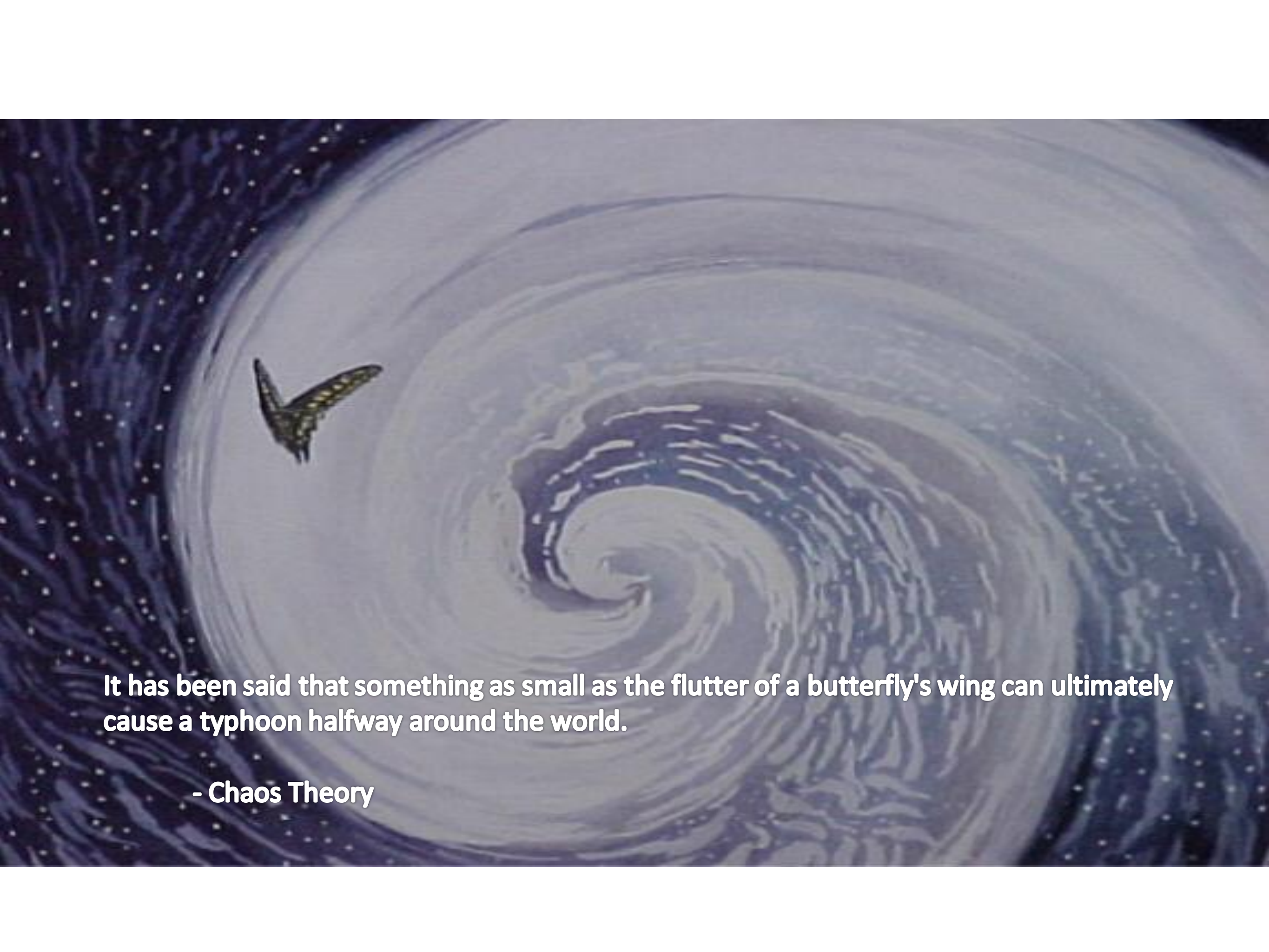
A photograph of a sandy beach with several footprints leading from the foreground towards the ocean. The text "CAP Community Awareness Program" is overlaid on the image.

CAP

Community Awareness Program



Impossible is nothing!

A conceptual image illustrating chaos theory. On the left, a small butterfly with yellow and black wings is shown in flight against a dark, starry background. To its right is a large, swirling typhoon or hurricane, depicted with concentric, swirling bands of light and dark blue and white, representing the immense scale of the weather system. The contrast between the tiny butterfly and the massive storm visually represents the concept of sensitive dependence on initial conditions.

It has been said that something as small as the flutter of a butterfly's wing can ultimately cause a typhoon halfway around the world.

- Chaos Theory



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