



POLITECNICO
MILANO 1863

Roundtable on Governance and Law – Challenges and Opportunities
World Bank Headquarters, Washington DC
November 5 – 6, 2018



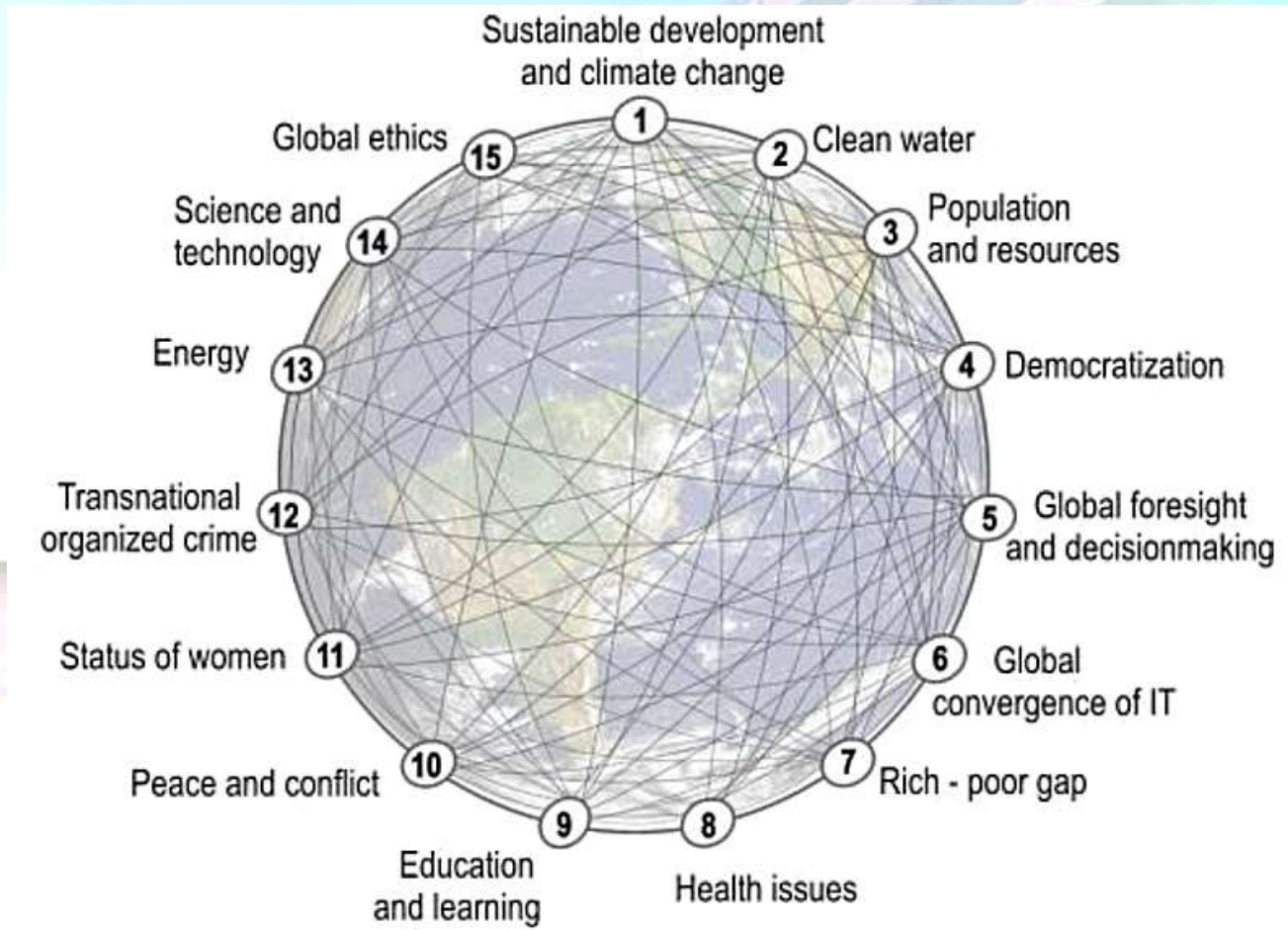
The Millennium Project
GLOBAL FUTURES STUDIES & RESEARCH



Topic 2: Drivers of Social Evolution & Equitable Development
Moderators: Jerome C. Glenn - Rodolfo A. Fiorini

Drivers of Social Evolution & Equitable Development

The Millennium Project MGCs



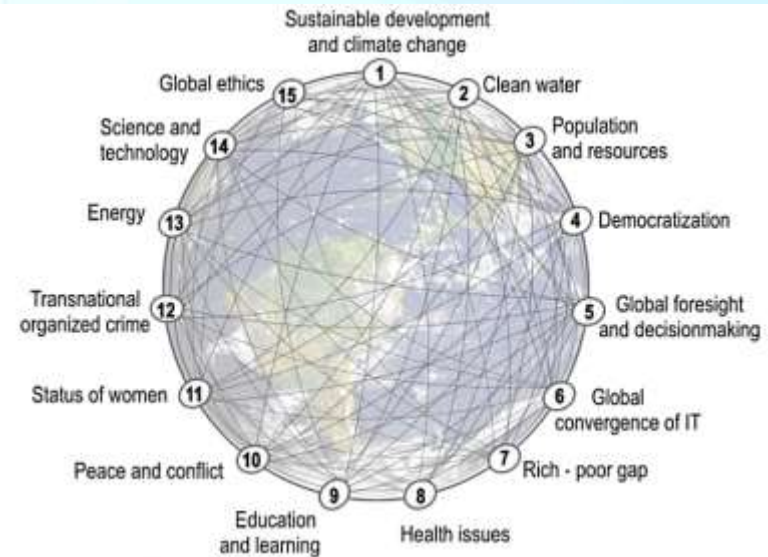
Drivers of Social Evolution & Equitable Development

The United Nations SDGs



Drivers of Social Evolution & Equitable Development

A Combined Overview



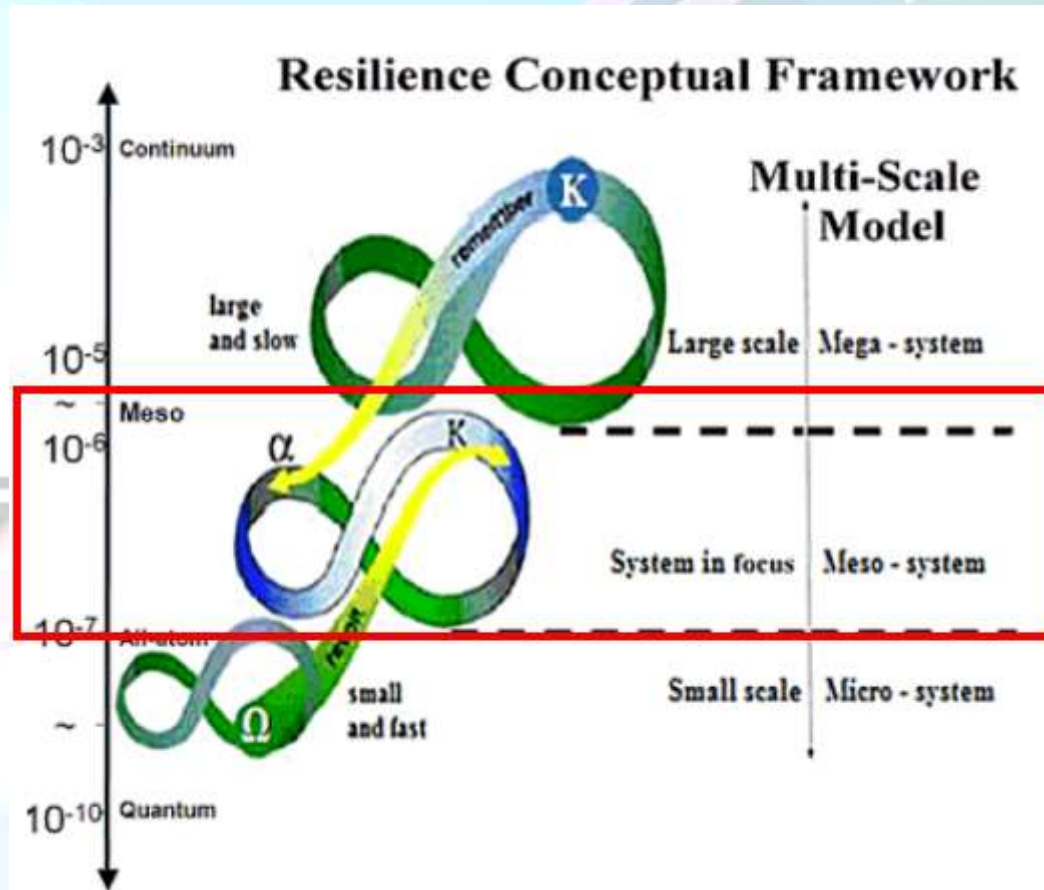
(MCG01~ SDG11-12-13-14-15) (MCG02~ SDG06) (MCG03~ SDG08-09) (MCG04-SDG05-10)
(MCG06~ SDG09-11) (MCG07~ SDG01-10) (MCG08~ SDG02-03) (MCG09~ SDG04) (MCG10-12~
SDG16) (MCG11~ SDG05) (MCG13~ SDG07)

(MCG02~ SDG06), (MCG09~ SDG04), (MCG11~ SDG05)

MCG05, MCG14, MCG15

Drivers of Social Evolution & Equitable Development

The Root of the Current Problem for AMS System Modelling



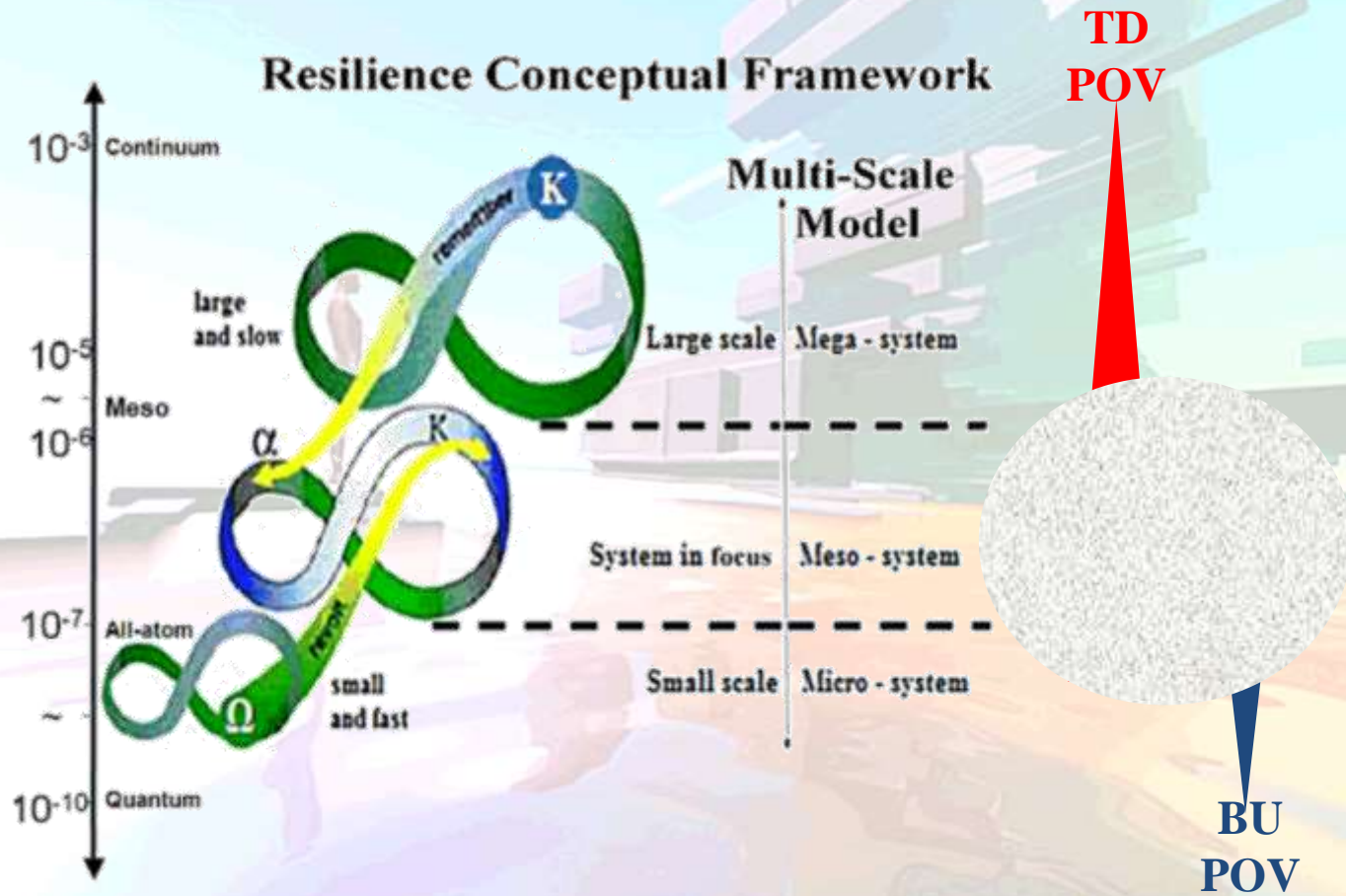
On Paradigmatic Limitations

MODERN PARADIGMATIC LIMITATION EXAMPLES

**Optimal Control Theory System Robustness
&
System Risk Analysis.**

Drivers of Social Evolution & Equitable Development

The Root of the Current Problem for AMS System Modeling



R.A. Fiorini, 2014

Drivers of Social Evolution & Equitable Development



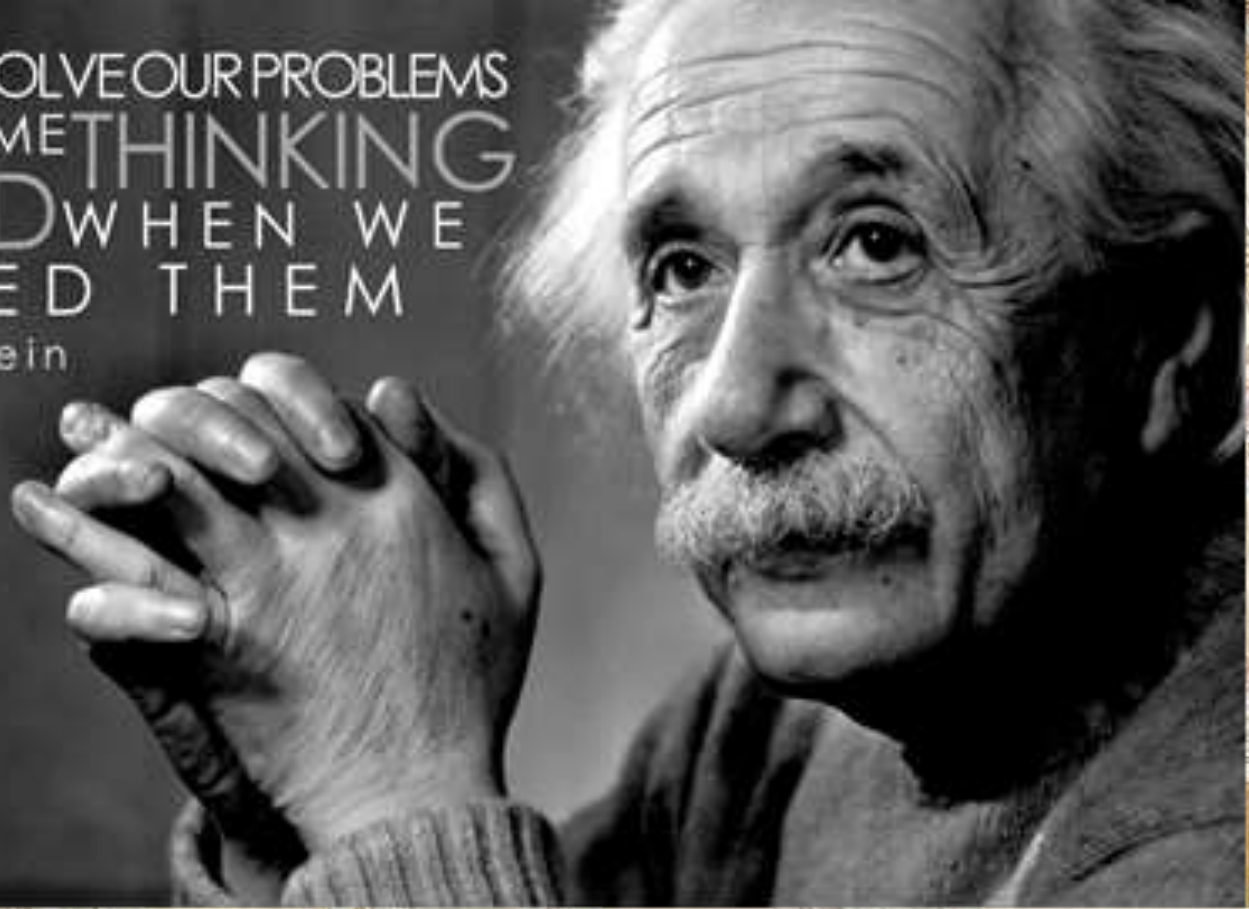
**« Observer
c'est pour la plus grande part,
imaginer ce que l'on s'attend à voir. »**

*Ambroise-Paul-Toussaint-Jules Valéry (1871-1945)
from "Degas, Danse, Dessin",
in Oeuvres de Paul Valéry (Librairie Gallimard, 1960), II, p. 1169.*

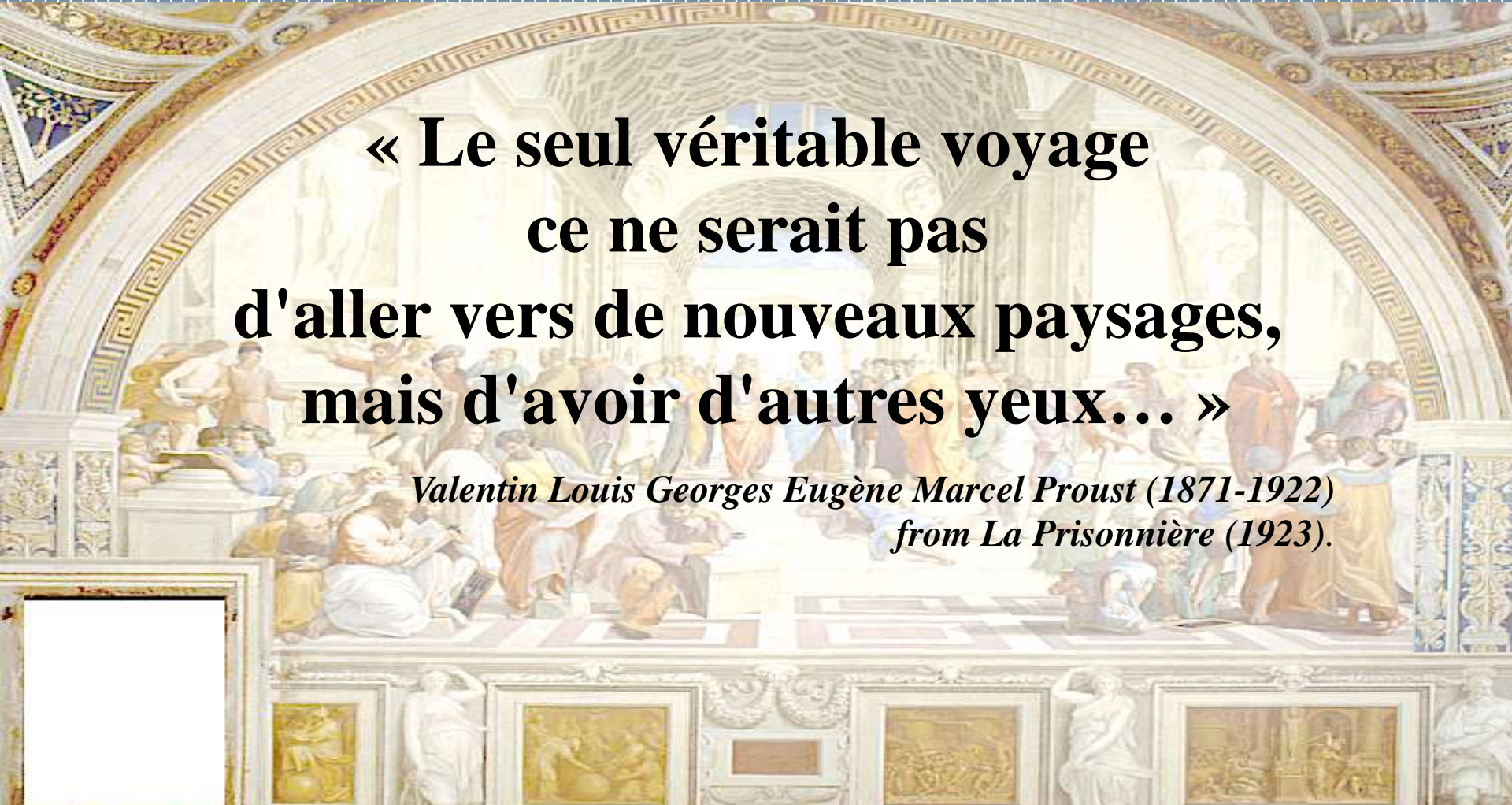
Drivers of Social Evolution & Equitable Development

Remembering The Relativity's Father

WE CANNOT SOLVE OUR PROBLEMS
WITH THE SAME THINKING
WE USED WHEN WE
CREATED THEM
- Albert Einstein



Drivers of Social Evolution & Equitable Development



**« Le seul véritable voyage
ce ne serait pas
d'aller vers de nouveaux paysages,
mais d'avoir d'autres yeux... »**

*Valentin Louis Georges Eugène Marcel Proust (1871-1922)
from La Prisonnière (1923).*

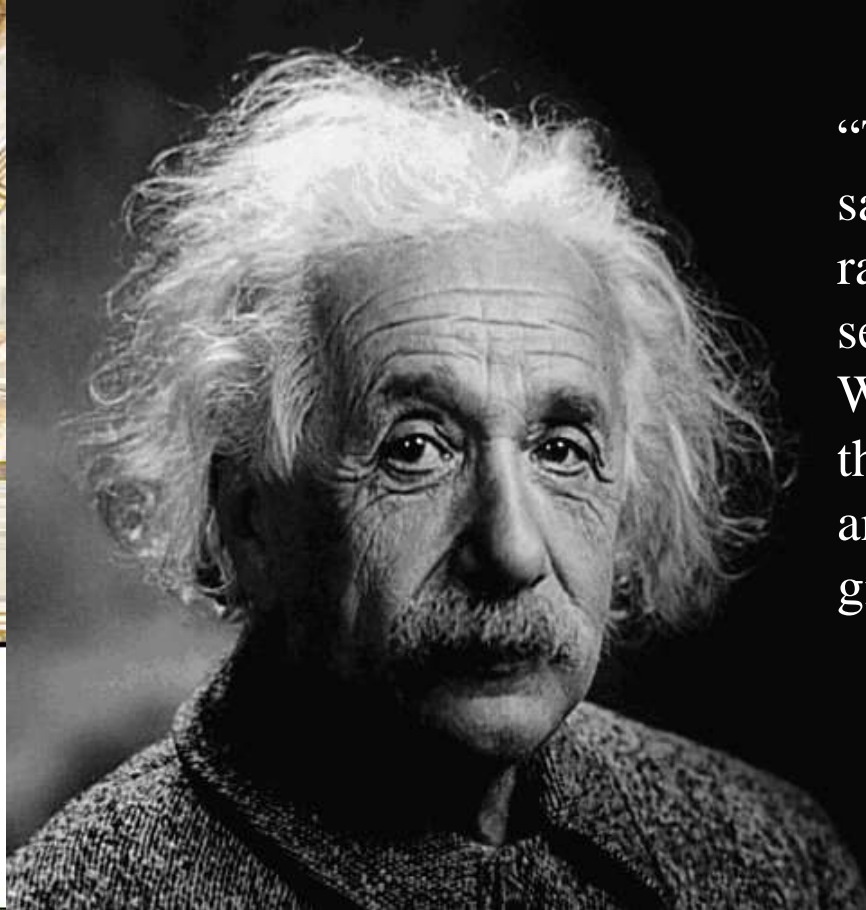
**Complexity
is the impossibility of
separating a system from its context.**

A living being from its environment.

**An object from
its measuring instrument.**

Drivers of Social Evolution & Equitable Development

Time To Return To Original Configuration



“The intuitive mind is a sacred gift and the rational mind is a faithful servant.

We have created a society that honors the servant and has forgotten the gift.”

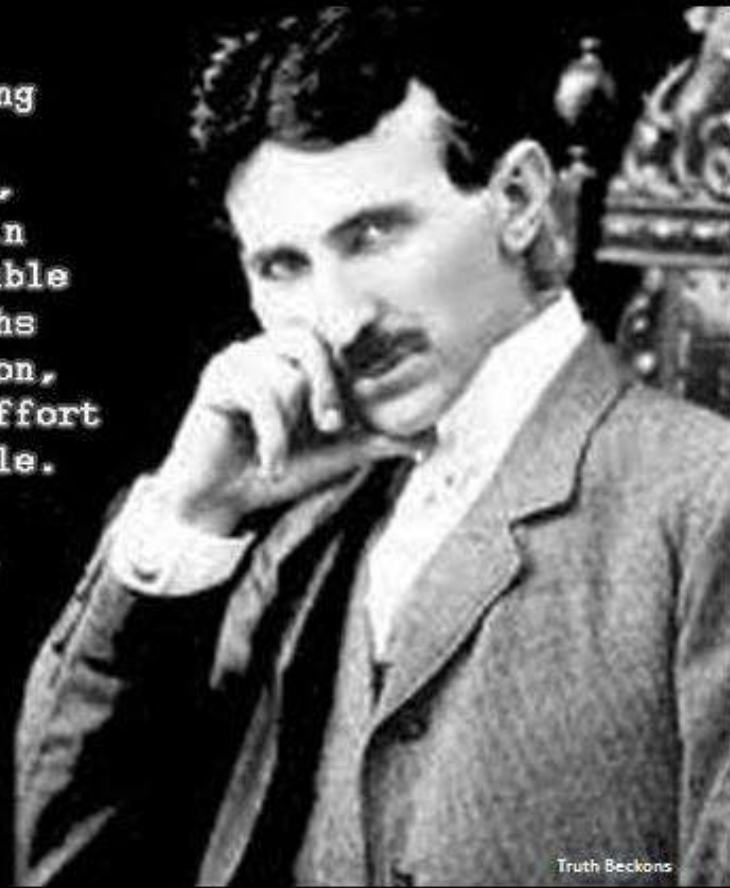
Albert Einstein

Drivers of Social Evolution & Equitable Development

Remembering The Futurist

Instinct is something
which transcends
knowledge. We have,
undoubtedly, certain
finer fibers that enable
us to perceive truths
when logical deduction,
or any other willful effort
of the brain is futile.

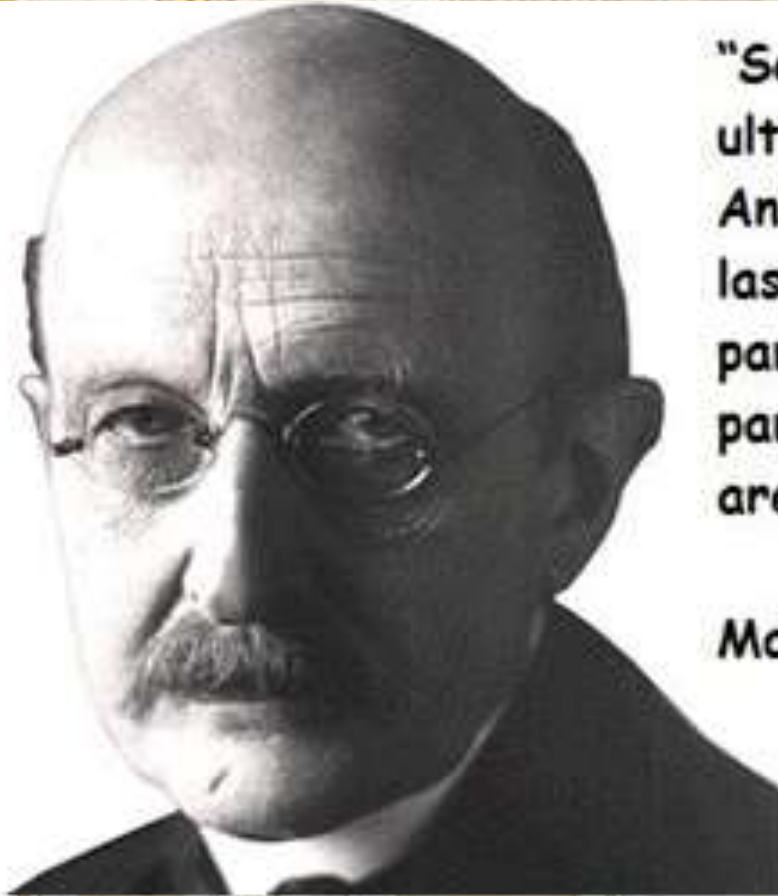
Nikola Tesla



Truth Beckons

Drivers of Social Evolution & Equitable Development

Remembering The Great Pioneer of Quantum Physics

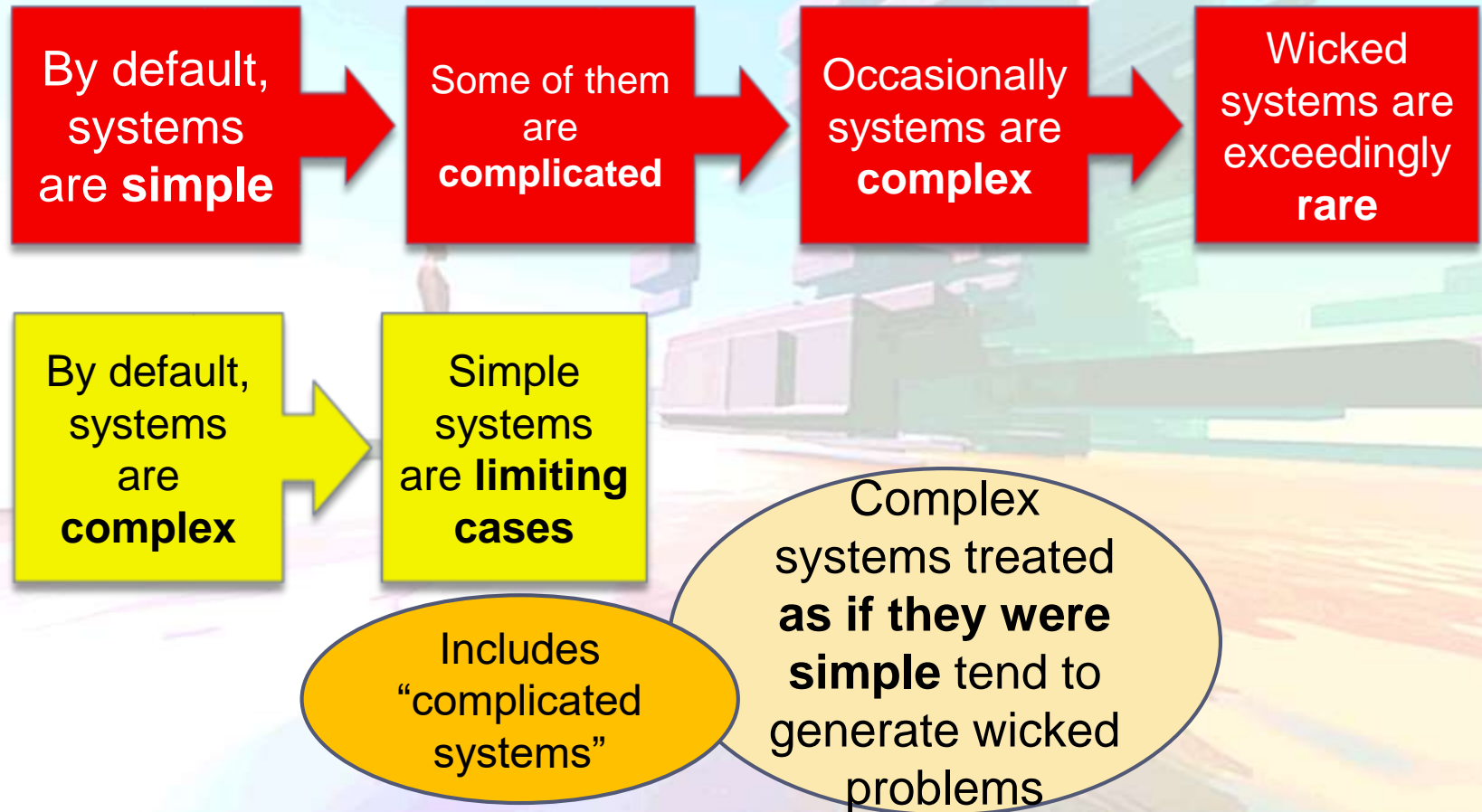


"Science cannot solve the ultimate mystery of nature. And that is because, in the last analysis, we ourselves are part of nature and therefore part of the mystery that we are trying to solve."

Max Planck

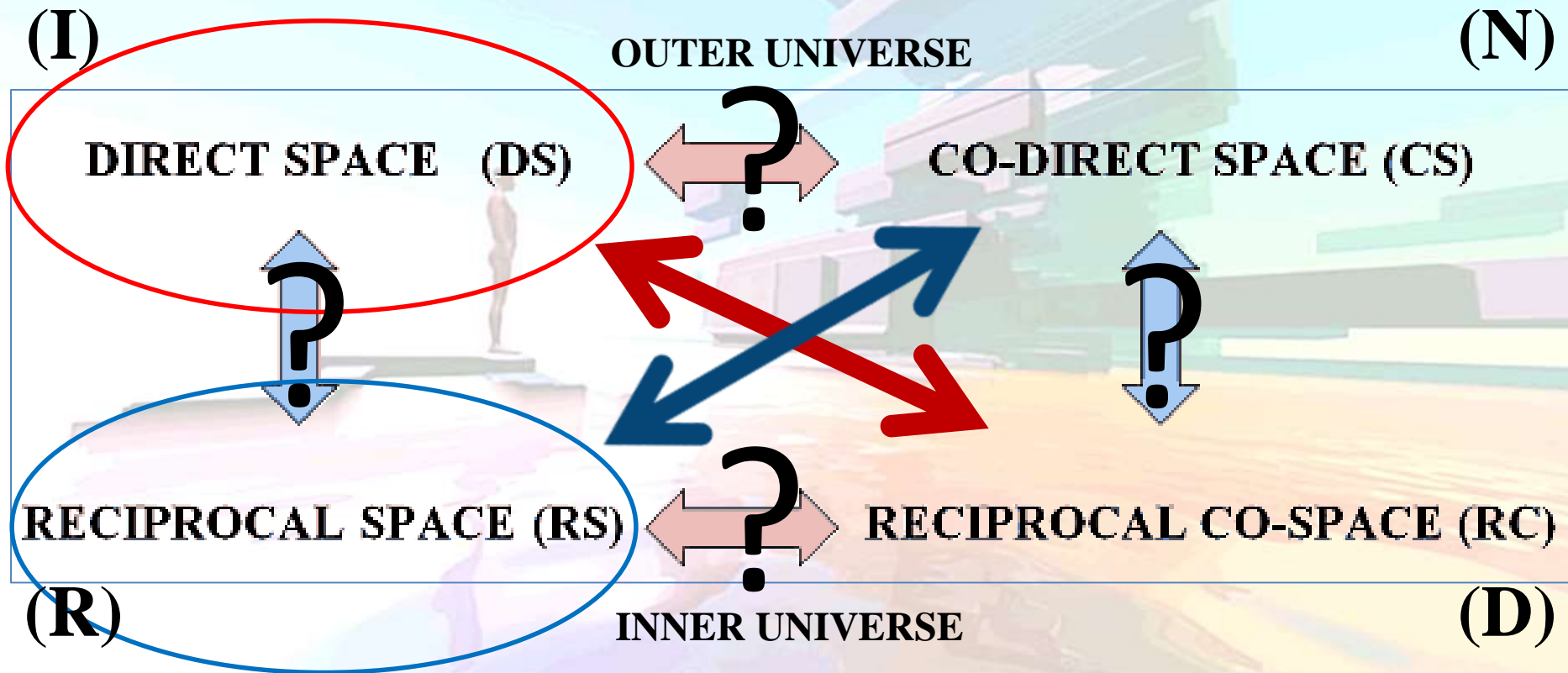
Drivers of Social Evolution & Equitable Development

The Two Modelling Understandings



Drivers of Social Evolution & Equitable Development

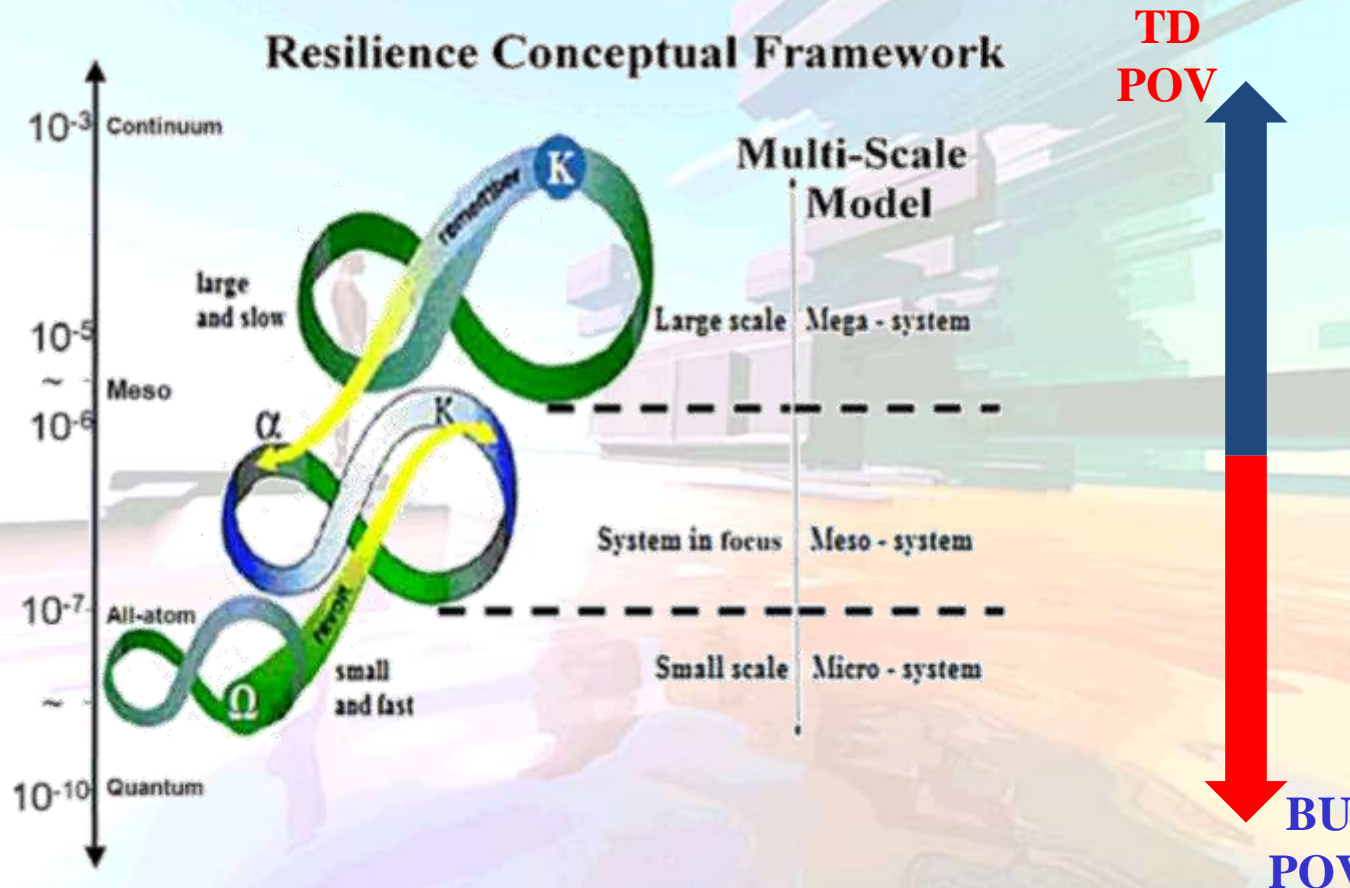
INNER vs. OUTER UNIVERSE (IOU) Mapping



R.A. Fiorini, 2014

Drivers of Social Evolution & Equitable Development

CICT Solution to the Problem for AMS System Modeling

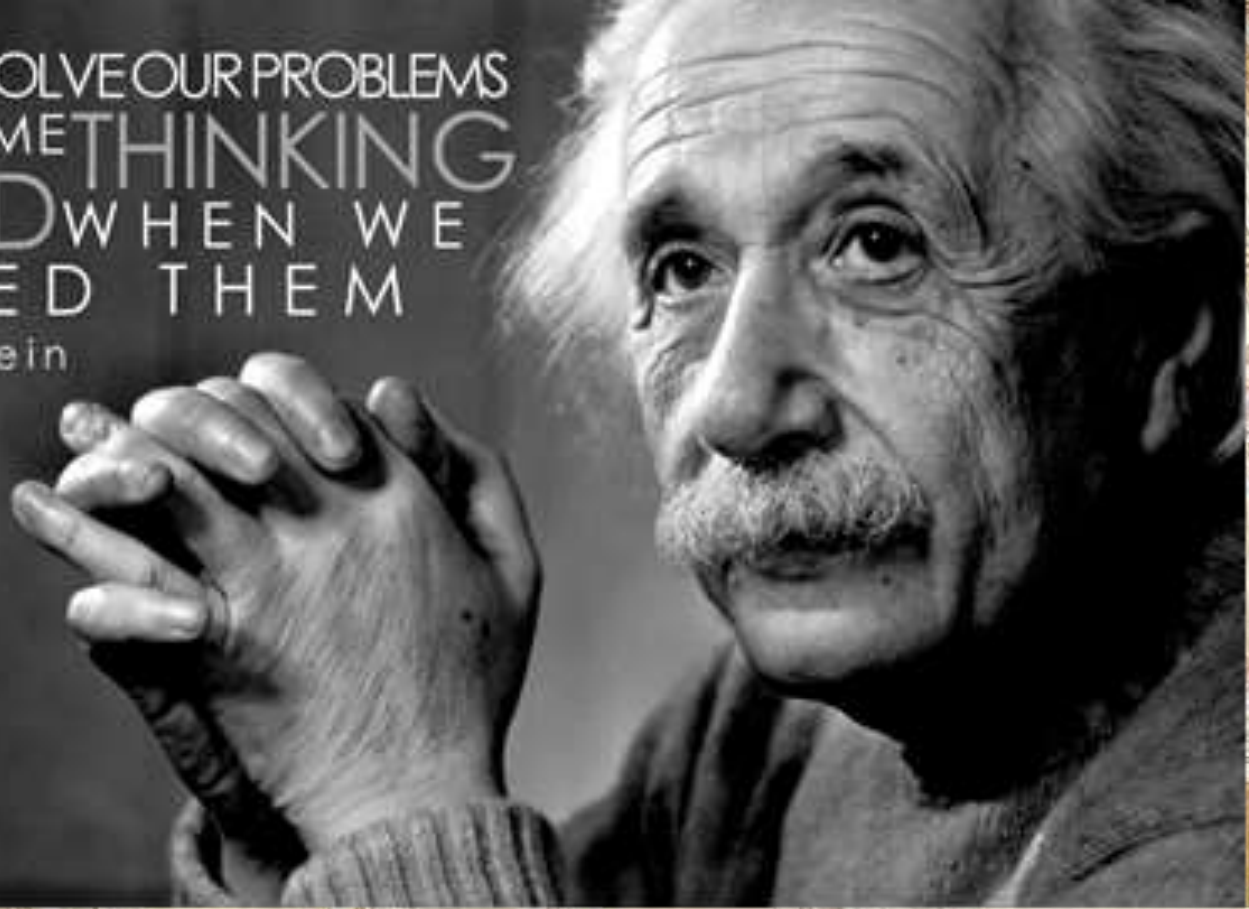


R.A. Fiorini, 2014

Drivers of Social Evolution & Equitable Development

The Major Driver of Social Evolution

WE CANNOT SOLVE OUR PROBLEMS
WITH THE SAME THINKING
WE USED WHEN WE
CREATED THEM
- Albert Einstein



**We were and are still currently educated
to REDUCTIONIST learning
which leads to
ACTIONS based on (UNAWARE)
APPROXIMATED approximations.**

We MUST switch to



**EVOLUTIONARY learning
which can create the right
INTERACTIONS
with a complex world and universe,
based on
AWARE, EXACT approximations.**

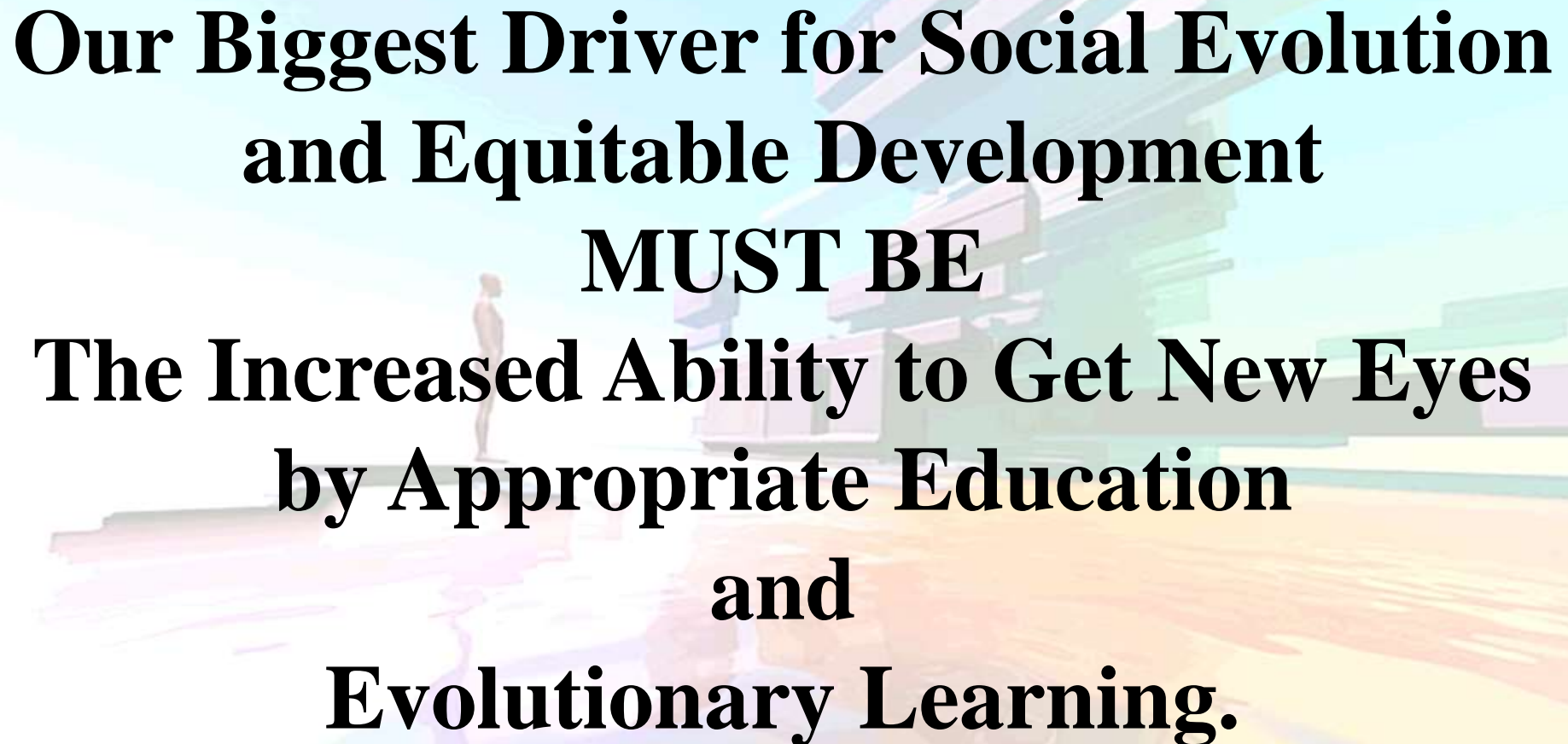
The Challenge of Evolutionary Learning



Learning according to Tenzin Gyatso,
the 14th Dalai Lama (1935-)

Because we all share this small planet Earth, we have to learn to live in harmony and peace with each other and with Nature. That is not just a dream, but a necessity.

If our fifth major risk is to apply only short-term solutions to long-term problems, according to John MacWilliams, as popularized by the recent book of Michael Lewis, then the biggest risk of all is to achieve a reduced awareness on our current INABILITY TO GET NEW EYES, according to WAAS.



**Our Biggest Driver for Social Evolution
and Equitable Development
MUST BE
The Increased Ability to Get New Eyes
by Appropriate Education
and
Evolutionary Learning.**

Drivers of Social Evolution & Equitable Development

Neuralizer Work Is Always In Progress



