



POLITECNICO
MILANO 1863

**International Conference
Globalism vs Nationalism
2–3 November 2017, MASA, Podgorica, Montenegro**



MONTENEGRIN ACADEMY OF SCIENCES AND ARTS



WORLD ACADEMY OF
ART AND SCIENCE



EUROPEAN ACADEMY
OF SCIENCES AND ARTS

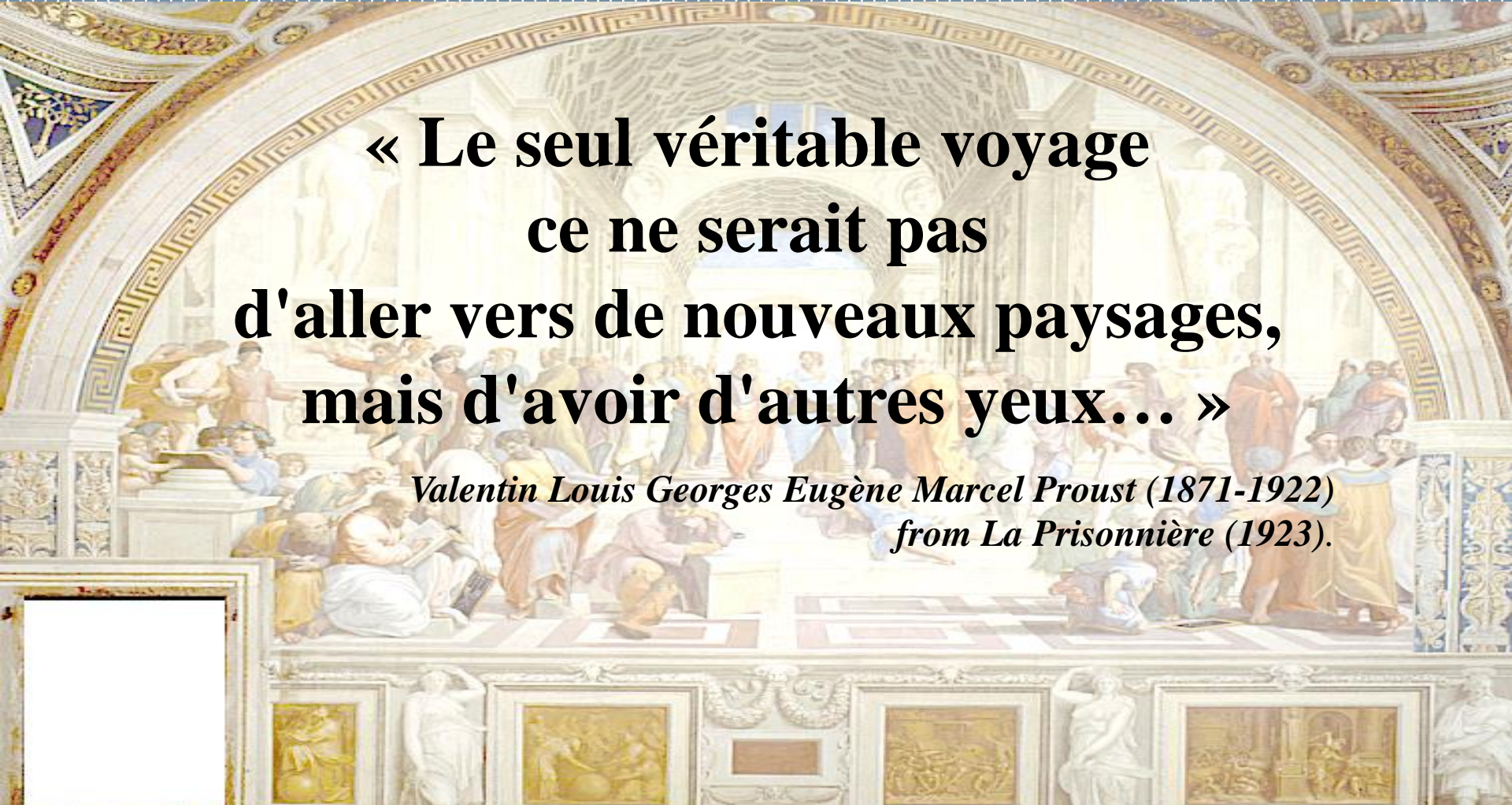


THE GLOBAL
ROUND TABLE

**Perceived Uncertainties
and Political Supremacy**

Rodolfo A. Fiorini

Perceived Uncertainties and Political Supremacy



**« 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).*

Paper Outline

1. Introduction (02)

- The Great Turning
- The Anthropocene Age

2. Human Perceived Uncertainties (03)

- Statistics Can Fool You
- Narrative Representation

3. Globalism, Nationalism and Technology (03)

- Trump's Campaign
- Brexit Campaign

4. A Possible Deeper Explanation (03)

- Uncertainty-as-a-Problem
- Uncertainty-as-a-Resource

5. The Japanese Society 5.0 Program (07)

- The Fourth Industrial Revolution
- The Mindustrial Revolution

6. Toward a Super/Hyper Smart Society (03)

- People Serviced by Proper Technology
- Enabling Key Technologies

7. From A Super/Hyper Society to the Wellbeing Society (06)

- Personal Dynamic Balance
- The Challenge of Defining Collective Wellbeing

8. From Personal to Collective Wellbeing (03)

- Active Political Agency
- Transdisciplinary Research Needed

9. Political Supremacy Awareness (04)

- Our Intentions Shape Our Future
- The New Language for Our Children



Presentation Outline

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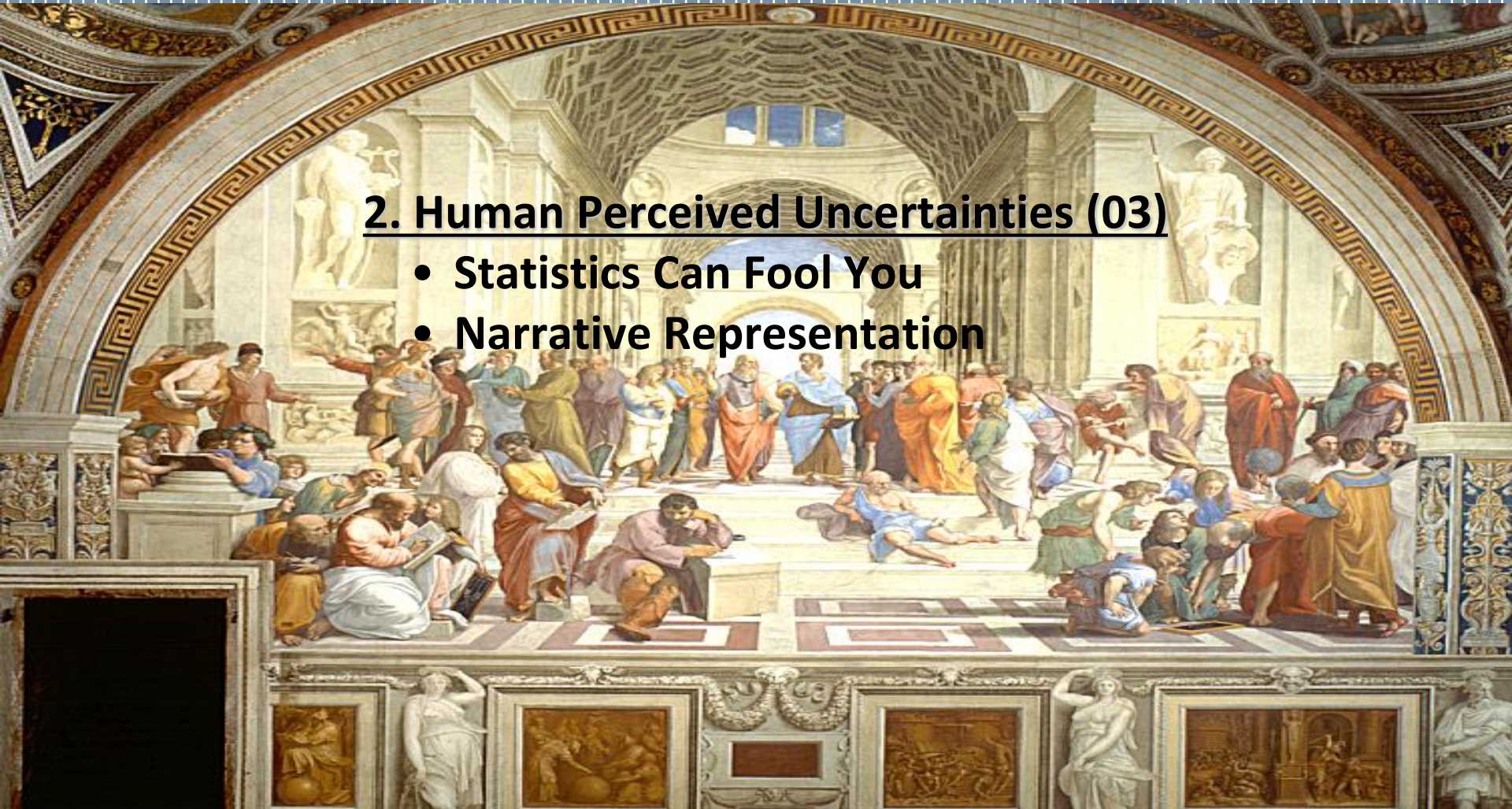
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Perceived Uncertainties and Political Supremacy

2. Human Perceived Uncertainties (03)

- Statistics Can Fool You
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Perceived Uncertainties and Political Supremacy

Statistics can fool you, unfortunately

APPLICATION	Simple payoffs	Complex payoffs
DOMAIN		
Distribution 1 ("thin tailed")	Extremely robust to Black Swans	Quite robust to Black Swans
Distribution 2 ("heavy" and/or unknown tails, no or unknown characteristic scale)	Quite robust to Black Swans	LIMITS of Statistics – extreme fragility to Black Swans

(N. Taleb, 2014)

Leonard Savage's Small World/Large World

PROCRUSTEAN BED



 **SMALL
WORLD
(MODELS)**

Predictable difference:
Missing a layer of
randomness = Fragility

One directional arrow: The
error between the Small &
Large worlds can be
captured analytically

Perceived Uncertainties and Political Supremacy

APPLICATION	SIMPLE UNFOLDED LINEAR	COMPLEX FOLDED NESTED
DOMAIN		
SIMPLE UNFOLDED LINEAR	DISCIPLINED (TRAINING)	SYNTHETIC
COMPLEX FOLDED NESTED	ANALYTIC	INTUITIVE

(R.A.Fiorini, 2016)

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3. Globalism, Nationalism and Technology (03)

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Perceived Uncertainties and Political Supremacy

The Data That Turned the World Upside Down



Perceived Uncertainties and Political Supremacy

The Data That Turned the World Upside Down

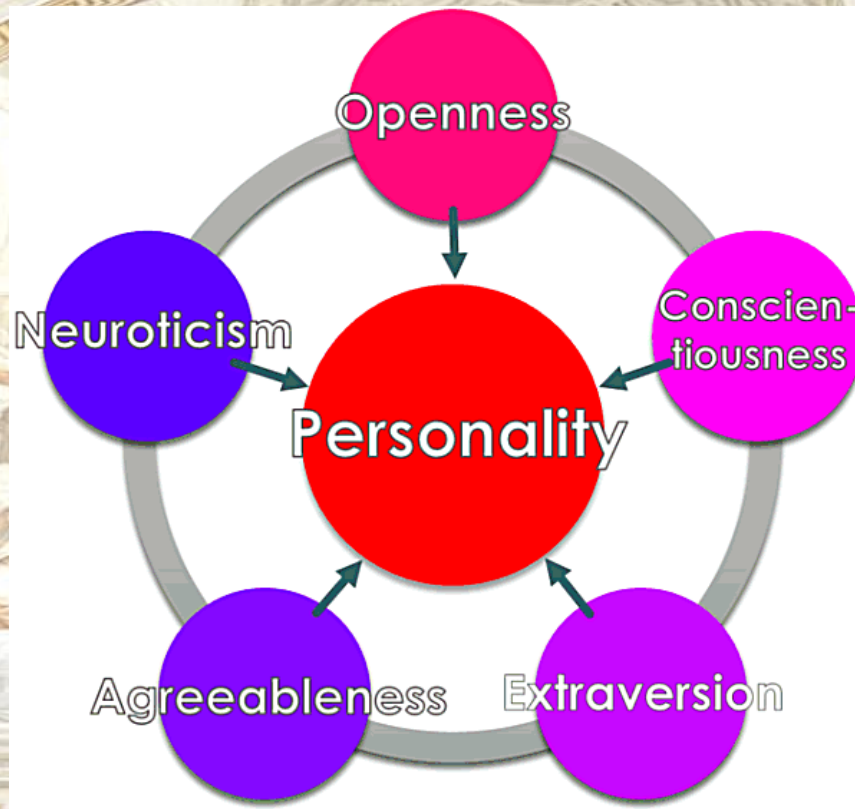
The company behind Trump's online campaign is the same company that had worked for Leave.EU in the very early stages of its "Brexit" campaign.

Disruptive Technology Based on Big Data.

OCEAN Model for Subject Profiling.

Perceived Uncertainties and Political Supremacy

The Big Five personality traits, also known as the five factor model (FFM)



Developed by psychologist Michal Kosinski to analyze people in minute detail based on their Facebook activity.

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5. The Japanese 5.0 Program (07)

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Perceived Uncertainties and Political Supremacy

The Four Industrial Revolutions



Navigating the next industrial revolution

Revolution		Year	Information
	1	1784	Steam, water, mechanical production equipment
	2	1870	Division of labour, electricity, mass production
	3	1969	Electronics, IT, automated production
	4	? 2025	Cyber-physical systems Mindustrial Revolution

(Adapted from WEF 2016)

The Fourth Industrial Revolutions

The First Industrial Revolution used water and steam power to mechanize production.

The Second used electric power to create mass production.

The Third used electronics and information technology to automate production.

Now a Fourth Industrial Revolution is building on the Third, the electronic revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres, impacting on individual wellbeing.

Perceived Uncertainties and Political Supremacy



Perceived Uncertainties and Political Supremacy

Current Worldwide Initiatives



Perceived Uncertainties and Political Supremacy

Current Worldwide Initiatives

	Society 5.0 (Japan)	Advanced Manufacturing Partnership (U.S.A.)	Industrie 4.0 (Germany)
Back-ground	High-level fusion of the cyber world and the real world		
Fields	All areas of society (including manufacturing) (The solution to issues facing Japan and the creation of new value through collaboration among systems, .)	Manufacturing (3D printing, power electronics, light-weight metal materials, digital design and manufacturing, advanced composite material manufacturing)	Manufacturing (Overall efficiency improvements and productivity improvements from design & production to retail and maintenance through integration of telecommunications technology and production technology)
Objectives	Hyper-smart society (Changes in industry, people's lives and lifestyles, so that everyone can live comfortably and actively in society)	Job creation and strengthening of international competitiveness (Return of manufacturing industry to U.S.A. after which jobs are created and international competitiveness is increased due to new technology)	Strengthening of manufacturing competitiveness (For small quantity/large variation production, the global spread of German production technologies for detecting abnormalities at an early stage)

The Mindustrial Revolution

The incoming Fourth Industrial Revolution must be a "Mindustrial Revolution" first of all, to guarantee a smooth transition from the previous one, according to Hungarian UN ambassador and past CTBTO (Comprehensive Nuclear-Test-Ban Treaty Organization) executive secretary Tibor Tóth (Tóth, 2016) at World Economic Forum (WEF) 2016, 20-23 January 2016, in Davos-Klosters, Switzerland.

Mindustrial Revolution means mind and industrial universalization in a "glocal" perspective to reliable wellbeing.

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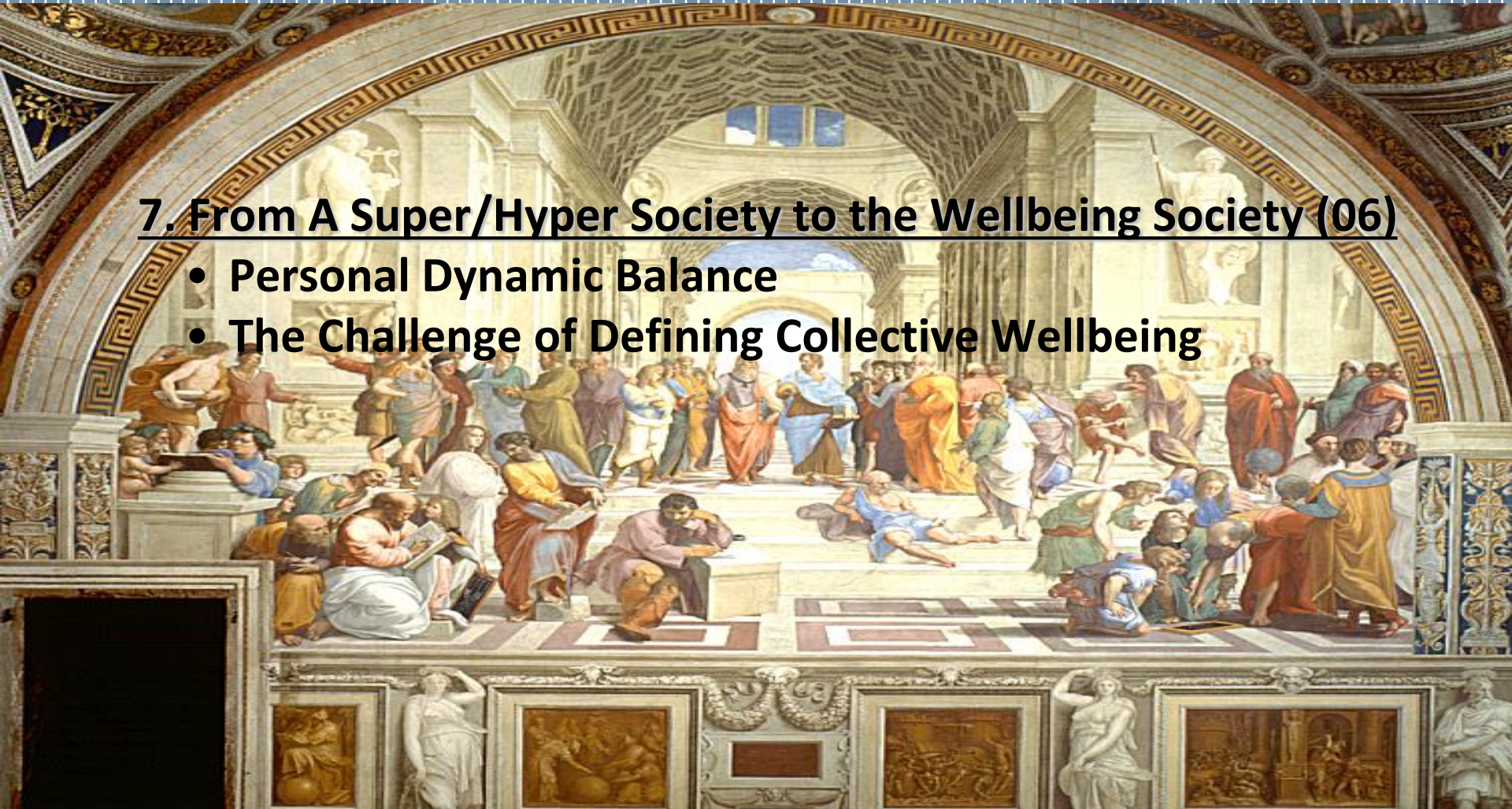
The five Thematic Priorities recommended by the European SC6 Advisory Group



Perceived Uncertainties and Political Supremacy

7. From A Super/Hyper Society to the Wellbeing Society (06)

- Personal Dynamic Balance
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Current Worldwide Initiatives: Super/Hyper Smart Society

A super/hyper smart society is characterized as follows:

a society where the various needs of society are finely differentiated and met by providing the necessary products and services in the required amounts to the people who need them when they need them, and in which all the people can receive high-quality services and live a comfortable, vigorous life that makes allowances for their various differences such as age, sex, region, or language.

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Dynamic Balance Centered on Personal Wellbeing Values (Never Ending Learning)



(Dodge, Daly, Huyton, 2012)

NEVER ENDING LEARNING

Learning by Channeling (Spirit)

Learning by Connecting (Mind)

Learning by Doing (Body)

The Challenge of Defining Collective Wellbeing

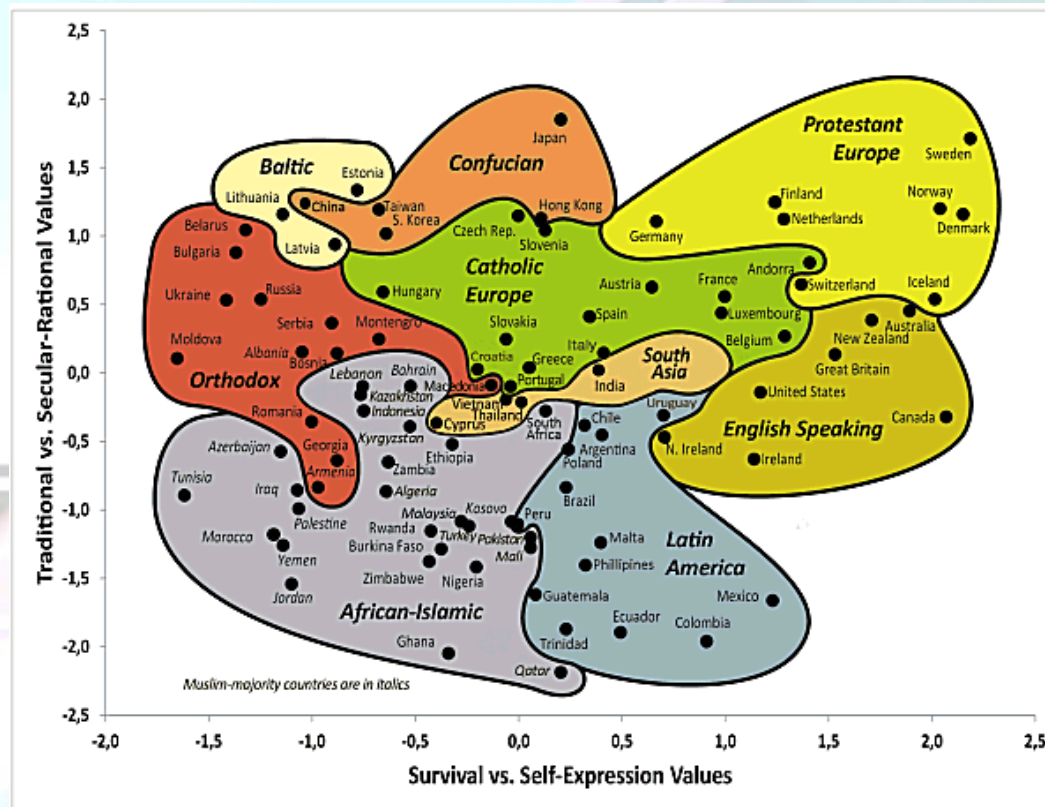


Learning according to Tenzin Gyatso,
the 14th Dalai Lama (1935-)

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.

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The Challenge of Defining Collective Wellbeing



(Inglehart–Welzel cultural map of the world, 2016)

Perceived Uncertainties and Political Supremacy

The Challenge of Defining Collective Wellbeing



Perceived Uncertainties and Political Supremacy

9. Political Supremacy Awareness 04)

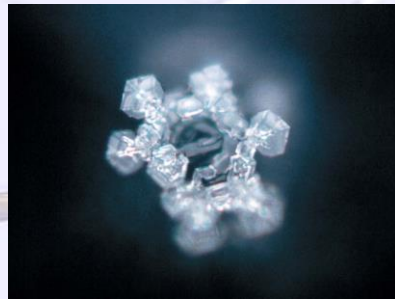
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Perceived Uncertainties and Political Supremacy

Political Supremacy Awareness

Our Intentions Shape Our Future



Despair



Hope



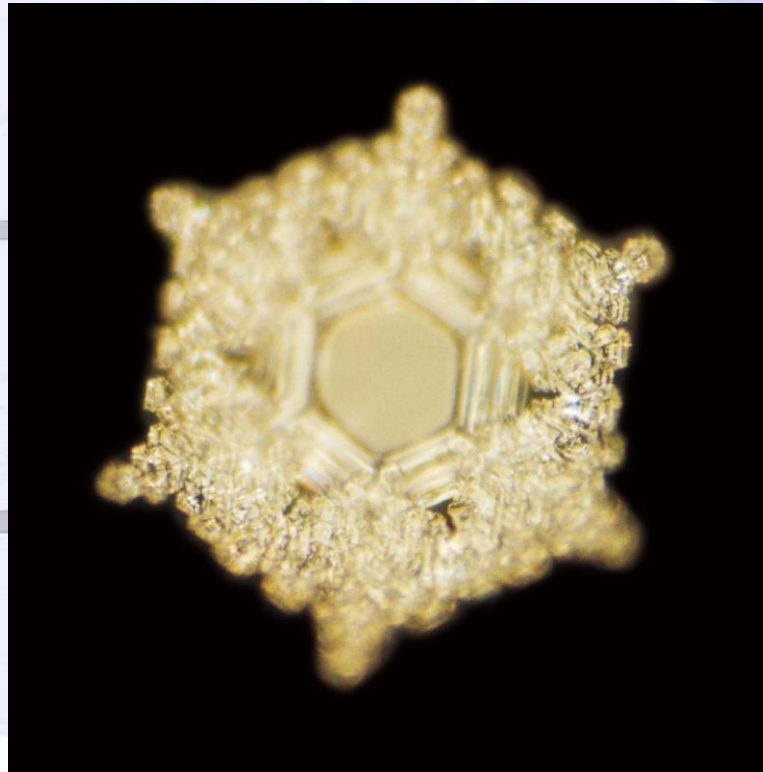
War



Peace

Political Supremacy Awareness

The Message from Water



Love & Gratitude

Political Supremacy Awareness

Our Intentions Shape Our Future

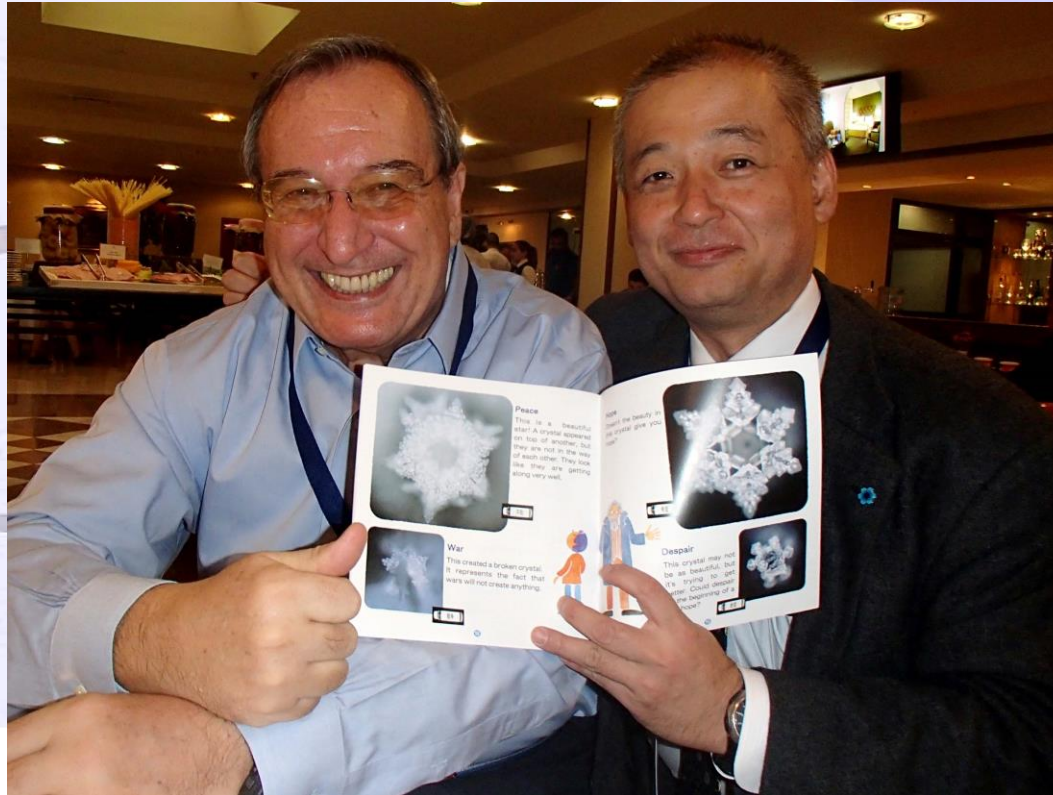


Luc Montagnier, Nobel Prize 2008

Perceived Uncertainties and Political Supremacy

Political Supremacy Awareness

The New Language for Our Children



Yasuyuki Nemoto, President of Office Masaru Emoto, LLC, Japan. EMOTO PEACE PROJECT

Perceived Uncertainties and Political Supremacy

Neuralizer Work In Progress



