

EXTINCTION – *CURRENT PERSPECTIVE* # 42

PRELUDE

Homo sapiens are facing a plethora of Existential HeadWinds that can yield or contribute to Species Extinction. There are a number of PROFOUND TRANSFORMATIONS that Homo sapiens must embrace to avoid EXTINCTION – The Sooner the better.

[Concerning Vocabulary, Capitalization and Typographic Style in SYNERGY's *CURRENT PERSPECTIVES*, see APPENDIX ONE, Page 31. Readers are encouraged to use an Internet Search to acquire answers concerning unfamiliar terminology.

This *CURRENT PERSPECTIVE* is presented in two parts. Part One (the first two sections following this brief Prelude) sketches out the basic message of this *PERSPECTIVE*. These sections rely heavily on the author's experience over a 55 year professional career following a series of unique personal experiences. See *Bio/CV Page* at www.emrisse.com. Additional key resources are also cited in these Sections.

The second part of this *CURRENT PERSPECTIVE* is composed of four sections that provide cairns on the talus slope that blocks the trail to UnderStanding the scope of E M Risse, *THE SHAPE OF THE FUTURE* (2000) and E M Risse, *TRILO-G* (2010). These sections cite diverse contemporary *PERSPECTIVES*.

I. PART ONE – THE BIG PICTURE

SECTION 1. THE HEADWINDS

Here is a list of some **EXTINCTION-causing** and **EXTINCTION-supporting** HeadWinds to which humans in AGencies, ENterprises, INstitutions and HOuseHolds have allocated resources with the intent of avoiding massive negative impacts including **EXTINCTION**. [See Bill McKibbern, *Falter: Has the Human Game Begun to Play Itself Out?* (2019) and other supporting resources.]

- **Deforestation and Top Soil Erosion, as well as Loss of Soil Fertility and Soil's Carbon Sequestration Capacity.**
- **Loss of Ecological Diversity.**
- **Exhaustion of Critical Natural Resources.**

- **Pollution and Other Wastes of Fresh Water.**
- **Destruction of Marine Ecosystems.**
- **Failure of Human Food Systems.**
- **Human Population in Excess of the Earth's Carrying Capacity at current Levels of Consumption (aka, Mass OverConsumption).**
- **Lack of Functional Access and Mobility in New URban REgions.**
- **Lack of Affordable and Accessible Shelter for all HouseHolds.**
- **Inequitable Economic and Social Structures that impact individual citizens, HouseHolds and Citizen Groups.**
- **State-Based and Illogically-Based Terrorism and Industrial "Accidents."**
- **Future Pandemics Beyond COVID- 19.**
- **Expensive and Crippled Healthcare Systems and Social Safety Net Components.**
- **Intensive Hurricanes, Cyclones, Typhoons, Tornados, Floods, WildFires and Locust Plagues.**
- **Other Direct and Indirect Impacts of Climate Change.**
- **Dysfunctional and UnSustainable EConomic SYstems.**
- **Dysfunctional and UnSustainable Governance SStructures.**
- **State, ENterprise and INstitution Cyber Crimes and Aggressive Application of Artificial Intelligence.**

And then there are the Black Swans:

- **Asteroid and Comet Impacts.**
- **Super Volcano Eruptions and Tectonic Plate Shift-Driven Earthquakes.**
- **Intentional or Accidental Detonation of Nuclear Weapons**

And finally, and MOST IMPORTANT:

- **DysFunctional and UnSustainable Human Settlement Patterns – In both the URbanSide and in the COUNtrySide.**

Of ALL the HeadWinds facing Human Civilization as it has evolved to 2020, DYSFUNCTIONAL AND UNSUSTAINABLE HUMAN SETTLEMENT PATTERNS ARE THE MOST CRITICAL CLASS OF HEADWINDS. THESE HEADWINDS REQUIRE IMMEDIATE APPLICATION OF PROFOUND TRANSFORMATIONS.

SECTION 2. WHY ARE DYSFUNCTIONAL AND UNSUSTAINABLE HUMAN SETTLEMENT PATTERNS SO IMPORTANT?

Because DysFunctional and UnSustainable Human Settlement Patterns are either the cause of the critical HEAD WINDS listed above, OR Profound Transformations in Human Settlement Patterns are essential to address these Headwinds.

Not convinced?

See Subsection on THWARTING THE HEADWINDS NOTED IN SECTION 1. below. Consider this material in light of Albert Einstein's Perspective:

"We can't solve problems by using the same kind of thinking we used when we created them" [Quoted in Rebecca Hosking, *Agriwilding*,(2020)

AUTHOR'S NOTE: To date, there are two books completed by the author – *THE LITTLE BOOK* is forthcoming. The latest edition of both of the published books are found on CDs. On *THE SHAPE OF THE FUTURE* CD (fourth printing, 2009) in addition to the text and graphics in PDF, there are three PowerPoints. On *TRILO-G* (beta 2, 2010) in addition to the text, graphics and references to other resources there are two PowerPoints.

On *THE SHAPE OF THE FUTURE* disk the three PowerPoints explore in depth the relationship between human settlement patterns and REgional transportation dysfunction. The two PowerPoints on the *TRILO-G* disk explore the Comprehensive Conceptual Framework of Human Settlement Patterns.

All five of these PowerPoints are NOT the usual PowerPoints with slides presenting bullet points to prompt a presenter. These five PowerPoints are composed of text and graphics to fully explore the topics.

In Section 2., the author uses the acronym “**FSHSPs**” to stand for “**F**unctional and **S**ustainable **H**uman **S**ettlement **P**atterns. Also see APPENDIX TWO concerning the citations to References cited in this Perspective and to the Scope of SYNERGY’s experience and *PERSPECTIVES* with respect to the cited HeadWinds. The criteria for the existence of **FSHSPs** is discussed in Section 3. Once in the ground, the infrastructure serving Dysfunctional and Unsustainable settlement patterns has daily and perpetual negative impacts on the occupants and the environment.

THWARTING THE HEADWINDS NOTED IN SECTION 1

- **Deforestation and Top Soil Erosion as well as Loss of Soil Fertility and Soil’s Carbon Sequestration Capacity.** Termination of excessive dysfunctional and abusive use of land is made possible by **FSHSPs**. See Sir Albert Howard, *Soil and Health: A Study of Organic Agriculture*, (1947). Deforestation has multiple negative ramifications. See Section 6., Page 31 on Natural Resources. Also see APPENDIX TWO, reference to Common Sense and COmmons-based Strategies.
- **Loss of Ecological Diversity.** With far more land available for ecologically sound land uses due to the existence of **FSHSPs**, there would be conversion and reuse of land now devoted to scattered, dysfunctional settlement patterns and other dysfunctional URban land uses. Thus there would be more land for ecologically sound agriculture, forestry and other NonUrban eco-friendly practices. [E.O. Wilson, *The Social Conquest of Earth*, (2012) Also Common Sense and COmmons-Based Strategies.]
- **Exhaustion of Critical Natural Resources.** Compare and Contrast *State of the World* (World Watch) 1984 through 2014 with US Presidents “State of the Union” speeches and Congressional Election Campaign Speeches 1946 through 2020. [Mathis Wackernagel & William Rees, *Our Ecological Footprint: Reducing Human Impact on the Earth*, 1962. Blair Fix, *Can the World Get Along Without Natural Resources?*, (2020). Diana Vela Almeida, **Extractivism: Resources for a Better Future.** (2020). If you believe that “the world can get along without Natural Resources” or that there is a infinite source of Natural Resources on the planet, you need to read Blair Fix’s Perspective carefully. Not long ago it was fossil fuel that was in danger of being exhausted. Now the wise choice is to leave costly and hard to harvest fossil fuels where they are – in the ground and under the sea bed. However, now other resources such as lithium are becoming rare and more costly to recover.]
- **Pollution and Other Waste of Fresh Water.** Fresh Water in surface streams and aquifers are protected with **FSHSPs**. Humans can live with modified and even reduced food supplies and diet changes but deprive them of UnPolluted Fresh

Water and they die. [See also Common Sense and Commons-Based Strategies and additional resources cited in this *CURRENT PERSPECTIVE*.]

- **Destruction of Marine Ecosystem.** Transformations due to termination of plastic accumulation, acidification and river pollution caused by the abuse of land as well as the over harvesting of Marine Resources can all be addressed by the implementation of FSHSPs. [Common Sense and Commons-Based Strategies. See additional resources cited in this section.]
- **Failure of Food Systems.** The Food Supply System is damaging to consumers and to the environment based on where food is raised, how it is raised, how it is transported, how it is marketed and how it is prepared for the table. The existing food system is unsustainable as demonstrated by the citizen and food system components reaction to COVID-19. [Richard Heinberg, *Fraying Food System May Be Our Next Crisis*, (2020), Joy Carey, *A Wake-Up Call for Food System Resilience*, (2020) Julie Mollins, *Revolutionize Food Production System or Face Mass Deforestation, Scientists Warn* (2020) and other resources.]
- **Human Population in Excess of the Earth’s Carrying Capacity at Current Levels of Consumption – Mass OverConsumption.** With FSHSP the existing population might not exceed the Earths **Theoretical** Carrying Capacity due to lowering per capita Resource Consumption – aka Mass OverConsumption and transport. FSHSP vastly expands carrying capacity due to reduced per capita consumption and transport but these reductions in cost would not provide the required a margin of safety. Profound additional changes are needed and would be facilitated by FSHSP. [William Rees, *The Earth Is telling Us We Must Rethink Our Growth Society*, (2020). Chris Rhodes, *Human Consumption of Natural Resources Exceeds an Annual 1000 Billion Tonnes*, (2020). Also see Professor Bartlett’s *Most Important Video You will Ever See*. On the topic of the exponential function he states that “The Greatest Shortcoming of the Human Race is Our Inability to UnderStand the Exponential Function.” Also seen Andrew Nikiforuk, *We’re dumb about Exponential Growth, That’s Proving Lethal*, (2020).]
- **Lack of Functional Access and Mobility in New Urban Regions.** FSHSPs are based on an understanding that it is totally impossible to provide functional and sustainable Access and Mobility in large Urban Agglomerations PRIMARILY with Large Private Vehicles. See discussion of “The 15 Minute Community Settlement Patterns” in Section 6.

HUMAN SETTLEMENT PATTERN AXIOM I: The “origin and destination of trips” is determined by Human Settlement Patterns.

The Distribution of the Origins and Destinations of Trips are THE drivers of “traffic congestion.”

- **Lack of Affordable and Accessible Shelter for all HouseHolds.** Affordable and Accessible shelter for ALL citizens is a key element of *FSHSP* (that includes “Missing Middle Housing”) and provides the context and INfraStructure for a stable society. [See resources cited in this *CURRENT PERSPECTIVE* as well as Nafeez Ahmed, *Capitalism is Destroying ‘Safe Operating Space’ for Humanity, Warn Scientists*, 2020, Richard V. Reeves, *Dream Hoarders: How the American Upper Middle Class is leaving Everyone Else in the Dust, Why That is a Problem, and What To Do About It*, 2017, Emily Badger & Quoc Trung Bui, *Cities Start to Question an American Ideal: A House With a Yard on Every Lot*, 18 June 2019. Robert Steuteville, *‘Pattern Zone’ Enables Quality Infill Development*, 2020. and CP # 43 Forthcoming.]

- **Inequitable Economic and Social Structures that impact individuals, HouseHolds and Citizen Groups.** A Social Structure based on FSHSPs is a pathway to class and ethnic equality. **Inequitable Social Structures** are eliminated due to transformation of Economic Systems to reflect FSHSP. [See Stiglitz, Joseph, *The Price of Inequality: How Today’s Divided Society Endangers Our Future*. (2012). Also see additional resources cited in this Section.]

- **State-Based and Ideologically-Based Terrorism and Industrial “Accidents”.** Terrorism BY a state (AGency) or as the modus operandi of a rebellious faction WITHIN a state or states. These HeadWinds including industrial “Accidents” [See Beirut and Houston New URban REgions] would be minimized by effective governance structures noted below concerning COVID-19.

- **Future Pandemics Beyond COVID–19.** With FSHSPs and the Imperative Implementation of **Functional REgional Governance Structures and Functional Economic Systems** will be reinforced by the lessons from COVID–19. Future Pandemics could be addressed with proven strategies as well as adequate supplies and resources. [The organic components and thus the parameters of FSHSP are noted below and articulated in *CURRENT PERSPECTIVE # 37* as well as in Risse, *THE LITTLE BOOK* (Forthcoming, 2020). Also see Kavita Byrd: *There is No Going Back to Normal*, (2020) Cylvita Hayes: *Normal Was Killing Us*, (2020), Ezemenari Obasi, *Opinion: We shouldn’t want to return to normal after COVID-19. Let’s Invest in Everyone’s Health*, (2020), Stacco Troncoso, *No New Normal: Building the Commons* (2020) Emma Grey Ellis, *How Smart City [REgional] Planning Could Slow Future Pandemics* and many other supportive resources.]

- **Expensive and Crippled Healthcare Systems and Social Safety Net Components.** The Social Contract Safety Net has been starved for resources by existing governance Structures in order to subsidize failed Neoliberal Market Fundamentalism and Industrial Capitalism. See need to Replace Growth with Steady State Economic Systems in Section 6.
- **Intensive Hurricanes, Cyclones, Typhoons, Tornados, Floods, Wildfires and Locust Plagues..** See strategies cited under **Other Direct and Indirect Impacts of Climate Change** below. [Also see CURRENT PERSPECTIVE # 41]. Failure to address the damage from these ‘enhanced’ natural events is an example of municipal, state and federal failure to provide adequate protection for Citizens. [Andrew Freedman, et. al. *Millions of homeowners face flood risks without realizing it, and climate change is making it worse* (2020). Note that two years after Hurricane Harvey (2017), over 500,000 residents of the Houston, TX New URban REgion – mainly in Harris County – were left with homes – many not yet ‘repaired’ – in the path of potential future floods based on water levels in the *Houston New URban REgion* over the prior five years. See E M Risse, *Down Memory Lane With Katrina* (5 Sept 2005) and E M Risse *Katrina Yet Again* (8 Sept 2008). Mark Serreze, *100 degrees in Siberia? 5 Ways the Extreme Arctic Heat Wave Follows a Disturbing Pattern.* (2020)]
- **Other Direct and Indirect Impacts of Climate Change.** With FSHSPs, especially at the REgional scale, human activity would be far more efficient. There would be much lower Green House Gas emissions per capita. There would be a requirement for FAR less land devoted to URban activities. There would also be increased carbon sequestration by soil in fields and forests due to ecologically sound farming and forestry practices. [See E M Risse, *THE SHAPE OF THE FUTURE* (2000).
- **DysFunctional and UnSustainable Economic Systems.** Alternative Economic Systems will be possible because of Fundamental Transformations of Governance Structure due to FSHSPs that reflect the Organic Structure of Patterns and Densities of Urban and NonUrban land use. [See *CURRENT PERSPECTIVE #41 The Tipping Point* (2019). Richard Heinberg, *Pandemic Response Requires Post-Growth Economic Thinking* See reference to Neoliberal Market Fundamentalism and Industrial Capitalism in the following Sections. Also see Joseph Stiglitz, *The Price of Inequality: How Today’s Divided Society Endangers Our Future.* (2012). Robert Reich, *Supercapitalism: The Transformation of Business, Democracy, and Everyday Life,* (2007) and numerous other resources published over the past 100 years.]
- **DysFunctional and UnSustainable Governance Structures** Common Sense and COMmons-Based Strategies. See additional resources cited in Section 4.

- **State, ENterprise and INstitution Sponsored Cyber Crimes and Aggressive Applications of Artificial Intelligence.** Functional Governance at the COmmunity, SubREgional and New URban REgional scales can thwart these HeadWinds via the establishment of a directorate of Cyber Crimes at all three levels and with support for Common Sense and COmmons-Based Strategies.

Then There Are The Black Swans:

- **Asteroid and Comet Impact.** FSHSP creates smaller targets, lower costs of more resilient infrastructure and facilitates faster recovery from major impacts. Importantly, the allocation of additional resources can develop successful interdiction technology and hardware.
[See Andrea Leinfelder, *Would humanity have been ready if Comet NEOWISE was hurtling toward Earth?* (2020), Also see Common Sense and COmmons-Based Strategies.]
- **Super Volcano Eruptions and Tectonic Shift-Driven Earthquakes.** The author lived for three years in a New URban REgion that was in the path of potential Earthquakes due to the location of the San Andreas Fault. During that time no one in a position of responsibility came forward with a proposal for a REgional Planning Strategy to create a Settlement Pattern to minimize the risk of catastrophic damage. The same is true for the known location of other Tectonic Shift-Driven Earthquakes and Super Volcanos. Who in their right mind (aka, those concerned with future Sustainability) would continue to intentionally build large agglomerations of intensive Urban land uses in locations subject to known Super Volcanos or on the faults of major Tectonic Shift-Driven Earthquakes? Some might think that significant Volcanic Eruptions have ‘only’ REgional impact. Not so. Consider the 43 BC eruption of Okmok in the Aleutian Island Chain. This eruption and the changes it caused in the planet’s atmosphere impacted the demise of the Roman Republic and the emergence of the Roman Empire 6000 miles away.
- **Intentional or Accidental Detonation of Nuclear Weapons.** Profound Transformation of Governance Structures and Economic Systems which must accompany FSHSPs will make the election of ‘leaders’ at the New URban REgion scale who threaten to build and use weapons of mass destruction far less likely to get elected and more manageable as documented by the effect of REgional economic sanctions.

And Finally, and Most Important:

- **Dysfunctional and UnSustainable Human Settlement Patterns.**

To repeat: All of the HeadWinds listed above are caused by or must be addressed in the context of **FSHSP**. **FSHSP** must be established to implement solutions to Existential HeadWinds. See **PART – TWO**.

PART TWO – THE IMPERATIVE PARAMETERS AND RESOURCES

PART TWO is composed of four sections. Again readers are encouraged to use an Internet Search to acquire answers concerning unfamiliar terminology.

Section 3 addresses the imperative of basing analysis of Human Settlement Patterns on the Organic Components found in New Urban REgions from UNits and DOoryards to New Urban REgions. New URban REgions are the Fundamental Building Blocks of ECONomic and SOcial STructures of Contemporary Civilization as established by Risse, *THE SHAPE OF THE FUTURE*, (2000). In addition Section 3. includes the authors Perspectives of the current status of New Urban REgions.

Section 4 explores the Profound ECONomic, SOcial and PHysical Transformations that citizens of New Urban REgions must pursue to yield the Functional and Sustainable Human Settlement Patterns that make up Functional and Sustainable New Urban REgions.

Section 5 addresses Overarching “Social” RoadBlocks to Progress towards the Objectives outlined in Section 4.

Section 6 presents Resources that will help Citizens UnderStand the Actions that they must take to Implement the Profound Fundamental Transformations that will yield the Functional and Sustainable New URban Regions that are explored in Section 4.

PART TWO includes references to many important Perspectives. But for a limited number of important exceptions, the resources cited have been published in 2020. Some of the authors of these *PERSPECTIVES* are not yet well known or widely respected. The author believes that they understand the topics they are addressing and that they have appropriately titled their work.

SECTION 3 REGIONAL HUMAN SETTLEMENT PATTERNS.

TO BE VERY CLEAR and SO THAT THERE IS NO CONFUSION: THROUGHOUT THE DISCUSSION OF THE HEADWINDS RELATED TO HUMAN EXTINCTION, THE BASIC PARAMETERS ARE ORGANIC REGIONAL HUMAN SETTLEMENT PATTERNS. See CURRENT PERSPECTIVE # 37.

THESE PATTERNS CONSIST OF CO-TERMINUS NEW URBAN REGIONS.

[See Risse, *TRILO-G* (2010). See Resources page at www.emrisse.com for an inventory of the resources found in *TRILO-G*. Also see Section 6., E concerning the Power Point on The Comprehensive Conceptual Settlement Pattern Framework. The topic of that framework and the use of a new mapping resource to delineate New URban REgions will be explored in *CURRENT PERSPECTIVE* # 43, forthcoming. Also see Anthony Flint *The Coronavirus Pandemic Makes a Case for Megaregions* [New URban REgions] (2020) and Richard Florida, *MEGA REGIONS: The Real Powerhouses That Drive the World's Economy*, (2019)].

HUMAN SETTLEMENT PATTERN AXIOM II: Every New Urban Region Includes Both the Urbansides Inside the Logical Location of the Clear Edge and the Countryside Outside the Logical Location of the Clear Edge.

There are NO examples of functional and sustainable REGIONAL Human Settlement Patterns in the United States. Nor are there yet many existing Governance Structures that could evolve to intelligently manage complete New URban REgions. There are a few URban Agglomerations that approach that criteria in the European Union – Vienna, Stockholm and some smaller Metropolitan areas such as Freiburg, Germany are examples.

Examples of Functional and Sustainable Settlement Patterns at the COmmunity or Village scale do not set an example that influences larger scale components. It is very clear that even well planned and “successful” COmmunity Scale, Planned New COmmunities have had absolutely **NO** beneficial impact on the quality and sustainability of the **REgional** Human Settlement Patterns in the REgions in which these Planned New COmmunities are located. In fact the dysfunctional, scattered Urban projects (aka, “SubDivisions” of Single Household Detached Dwellings) outside these Planned New COmmunities are marketed touting the fact that they **ARE NOT PLANNED** and do not have enforced Covenants.

[The basis for this perspective is as follows: The author has lived and worked in Columbia, Md, Reston, VA, Fairfax Center VA, and The Woodlands, TX. Over the last 48 years he has lived and worked for nearly a decade in each of these Planned New COmmunities except for The Woodlands, TX where he has lived and worked for 3 years.]

Plans for New Urban REgions. In 55 five years of experience teaching REgional Strategies at the graduate level as well as planning and managing the construction of Planned New Communities, the author has only encounter one **SubREgional** plan that embraces comprehensive functional REgional Planning Concepts. That plan is the blatantly unimplemented 1960s *Plan for the National Capital Region*. Recent REgional Planning efforts such as those profiled in Section 6., Subsection V. May have the power to modify this Perspective. Also see *Citizen Handbook* in *TRILO-G*.

A supporting perspective that documents a major determinant for scattered, dysfunctional land use patterns is presented by the comparison of the multi-jurisdictional planning in 1965 with the municipal zoning in 1990s. This analysis was carried out by the Northern Virginia Planning District Commission. **The study produced two maps that document why the Virginia Part of the National Capital Subregion exhibits dysfunctional Human Settlement Patterns.** These maps are reproduced on the CD presenting *THE SHAPE OF THE FUTURE*, 4th printing. See, *Priority Transportation Improvements: Getting the National Capital SubRegion Moving*. Slides 25 to 31 provide graphics and text detailing this analysis. Also see the role of municipal land use controls noted in Section 6., Y.

Vacant and Underutilized Land INSIDE the Logical Location of the Clear Edge. There is a vast amount of vacant and underutilized land in all existing New Urban REgions and SubREgions in the United States. A study done for the Coalition of Smarter Growth in which the author participated, documented that in the Core of the National Capital SubREgion (within R=10 miles of the centroid) there was enough vacant and underutilized land **within walking distance of the then existing METRO stations to meet the projected need for housing and ENterprises for the next twenty years without taking down a single tree at the perimeter of the URbanSide** – that is in the SubREgions beyond The Logical Location of the Clear Edge around the Core. Data supporting this Perspective was published in the original version of *Blueprint for a Better Region: Putting Development in the Right Places*, (2002).

Emily Badger documented an important aspect of the reality of Vacant and Underutilized Land in *Cities Start to Question an American Ideal: A House With a Yard on Every Lot*, (*The New York Times* 2019). Similar conditions exists in other REgions. Badger mapped the amount of land now zoned EXCLUSIVELY for Single Household Detached Dwellings in 70 U.S. URban municipalities. If ReDeveloped at Functional and Sustainable Patterns and Densities, this land would allow for reconfiguration to meet the market demand for Walkable Urban Settlement Patterns that meet the “15 Minute COMMunity” criteria. See Section 6., V.

SECTION 4. IMPERATIVE CITIZEN ACTIONS.

THE ACTIONS THAT CITIZENS MUST START TO IMPLEMENT IN ORDER TO SECURE THE PROFOUND TRANSFORMATIONS THAT YIELD FUNCTIONAL AND SUSTAINABLE NEW URBAN REGIONS.

There are two critically important Actions that Citizens must work to implement **NOW**:

- I. Revise the STructure of Governance and of Governance AGENcies at every level of the Organic Components of Human Settlement Patterns.**

II. Revise the STructure of the Economic Systems at all levels of Governance.

First and foremost it is imperative to Fundamentally Restructure Governance and the Economic Structures – Not just “improve” the current systems but profoundly change them as suggested by the resources in Section 6.

Neither of these priorities come ‘first.’ They must be pursued in tandem.

There is no ‘solution’ as to how these TRANSFORMATIONS are accomplished but here are two suggestions:

- Move the current (‘constitutional’) Nation-State Powers down to the New URban REgion Scale Components of Human Settlement Patterns.
- Require for that an Enterprise provides goods and services ONLY within a single New URban REgion. No more ‘national’ much less “international” Enterprises.

Some may believe the latter cannot be achieved because of the power position of multi-national ENterprises. Two points:

- 1) The only way that ALL New URban REgions on the Planet can achieve Balance is for each to pursue REGIONAL IMPORT REPLACEMENT – An implementation of the perspective of Jane Jacobs in *The Economy of Cities*, (1969). The alternative is ‘Colonialism’ of less developed New URban REgions that historically supports inequitable capitalism.
- 2) Give the multi-nationals a way to sell off their out-of-REgion assets and they will jump at the opportunity. They are, after all Capitalists who collect golden parachutes.

The scale of the current Governance STructure has outgrown citizen UnderStanding of GOVERNANCE. Most elected AGENCY politicians look first to their own self-interest, not to that of the citizens who they ‘represent’.

Here we follow the advice of Thomas Jefferson who’s thoughts on the topic of change in Governance (AGency) STructure are often quoted:

“The Government closest to the People serves the People best.”

This statement is used by libertarians and other “conservatives” to justify their chant for “limited government.” There is no justification for this attribution based on the above statement. There is no basis for the idea of “less government” is a good thing. The more complex society is, the more complex governance structure must be. To offset the complexity, the Governance Structure must be closer to the governed, not more remote.

The simplistic foolishness of less government sounds attractive to those who believe they are better off avoiding true democracy that involves ALL the citizens. Citizens need BETTER government, not ‘less’ government.

That is especially true in the light of this statement by Thomas Jefferson:

“I am certainly not an advocate of frequent and untried changes in laws and constitutions.... But I know also that laws and institutions must go hand in hand with the process of the human mind. As that becomes more developed, more enlightened, as new discoveries are made, new truths discovered and manners and opinions change with the change of circumstances, ... institutions must advance also to keep pace with the times.”

Thomas Jefferson to Samuel Kercheval, 1816. ME 15:40

This requires that Citizens UnderStand:

- The elements of the BIG PICTURE from PART ONE;
- The Major RoadBlocks from Section 5 and:
- The topics for which Resources are provided in Section 6.

See CURRENT PERSPECTIVE # 37 on the Organic Components as a guide to the proper levels of governance.

Profound Transformations of The Governance Structure and the Economic System will require authorization from the existing State and Nation-state enabling acts.

Other Systems upon which humans depend such as FOOD SUPPLY SYSTEMs, the HEALTH CARE SYSTEMs, can be changed from the ‘inside’. There are many good suggestions for immediate changes but they do not raise to the level of Profound Transformation.

Charles Marohn, *The Local Leader’s Toolkit: A Strong Towns Response to the Pandemic*, 2020.

Laura Basu, *How to Fix the World*, 2020. (Comment on Profound Transformation, economy for you and me and Remocratising democracy.)

The overall structure of a “new society” need not be a Green American Dream. It might be a revisit to the World-Wide New Bronze Age. To get a handle on how much is known about the original Bronze Age see Andrew Langley, *What Can we Learn from the Collapse of Bronze Age Cultures?*, (2020) There is a need for a overarching Comprehensive Conceptual Framework – it could be to evolve to a New Bronze Age.

A key element of the Changed Economic Structure will be the principle of a Fair and Equitable Allocation of All Costs and Benefits.

At this point business-as-usual uses Growth + Profit => Prosperity as an excuse for MassOverConsumption.

Half a dozen years ago the author argued in private conversations that one way to limit some of the abuses of Enterprises would be to stop treating advertising as a legitimate business expense.

What is the alternative? A system of “Endorsements” of goods and services by Cluster, Neighborhood and Village scale Commons. This would raise money to pay for the greatly expanded responsibilities of the “closer to the people” Agencies. The current role of “influencers” via social media could be taxed to evolve this as a useful Agency support system.

The Functional and Sustainable human settlement patterns are organic entities. The organic nature of human settlement is established by the following criteria:

- It is the result of living organisms.
- The whole is made up of components that are mutually dependent and intrinsically related.
- It is a complex entity where the whole is more than the sum of the parts.
- Each larger component is composed of smaller components.

Will the changes in the Economic System ‘slow’ capitalist driven technological “innovation” that accelerates ‘the pace of change’ and relies on planned obsolescence? Of Course it will. At the same time it will bring innovation closer to those who will directly benefit from change.

But the hyper speed citizens have been experiencing in the last three decades has just made the rich richer and has meant that humans will continue to devour the planet’s finite resources fast. More citizens will die before the operation of their Organizations can be retrofitted. See Section 6.

Localism within New Urban Regions including MegaRegions and a governance structure based on the organic components of Human Settlement Patterns are outlined in the author’s CURRENT PERSPECTIVE # 37 instead of ‘states’ and ‘nation-states’ based on a population total of 4 million and 18th century technology.

Bruce Rich, *Sustainability In a Small Place: The Spanish Basque Country a 21st Century Model*, 2020

When establishing a strategy for Profound Transformation in the Structure of Governance and the Structure of Economic Systems there is an interesting tool: The **Overton Window**. See Richard Heinberg, *Pandemic Response Requires Post-Growth Thinking*, (2020) which discusses the Overton Window and other important topics.

SECTION 5 OVERARCHING ‘SOCIAL’ ROAD BLOCKS THAT OBSTRUCT PROGRESS

This section presents systematic ‘Social’ RoadBlocks that impact a wide range of Citizen efforts to create functional and sustainable Human Settlement Patterns.

As important as the evolution of **FUNCTIONAL AND SUSTAINABLE HUMAN SETTLEMENT PATTERNS** are, there are realities that must be faced BEFORE direct work on the Transformation of Governance Structure and the Transformation of Economic Systems that will result in Functional and Sustainable Settlement Patterns can be implemented.

A. VOCABULARY

For some reason the words associated with the components of Human Settlement Patterns are a Tower of Babble. Medical scholars have a science-based vocabulary. Practitioners in the study of patterns and densities of land use (as well as residents) pay no attention to a search for the more functional names for the Organic Components of Human Settlement Patterns. They have no problem with the use of Core Confusing Words. See Appendix One, page 31 of this *PERSPECTIVE*.

The most damaging Core Confusing Words include “exurban”, “local”, “rural”, “sprawl”, “suburban” and ‘city’ **Uncapitalized** plus functional names of the organic components of Human Settlement Patterns. See CURRENT PERSPECTIVE # 37. Professionals use NEighborhood, Village and COMMUNITY interchangeably, often in a single paragraph. A DOoryard is NOT a NEighborhood, a Village is NOT a COMMUNITY. If you do not know what your neighbor calls the place he lives, he will not understand ideas about its function and enhancement.

The topic of Vocabulary and the importance of a clearly defined Vocabulary in the context of Human Settlement Patterns is addressed at length in *THE SHAPE OF THE FUTURE* (2000) [See **Appendix Two** of this *PERSPECTIVE*.] as well as in Risse, **TRILO-G** (2010) Over the past 20 years some words have become more offensively misused and others originally identified in **Appendix Two** of *THE SHAPE OF THE FUTURE* have proven to be less of a problem.

David Montgomery, *How to Tell if You Live in the Suburbs*, (2020)

Richard Florida, **This is Not the End of Cities**, [REgions], 2020. But it MUST be the end of the use of the word ‘city’ that is not Capitalized to indicate reference to a specific municipality that has City as part of its official title.

Guy Standing, *Class Politics* [VOCABULARY] *Fit for the Times*, 2020.

Russell Arben Fox, *The Invaluable Inefficiency of Neighborhoods*, 2020. (Of course Fox sees inefficiency because he does not understand the organic components and structure of human settlement patterns. NEighborhoods are even more functional than Fox understands. See Risse CURRENT PERSPECTIVE # 36 & # 37. (2019)

John McLeod, *The Search For A New Community*, 2020. No wonder McLeod could not find a ‘New Community’ he never bothered to look up what “New Community” means or the scale. He did not know where they can be found much less grasp the anatomy of human settlement patterns outlined in CURRENT PERSPECTIVES # 36 & # 37. (McLeod was searching for a CLuster or at most a NEighborhood.)

Ad Crable *Large-lot housing popping up like weeds in PA farmland: New subdivisions start domino effect that lead to continuing loss of farms.* (2020).

Crable’s first paragraph: When the American Farmland Trust recently assessed threats to farmland in Pennsylvania, it was surprised to find that urban sprawl and anemic profit margins for milk and crops didn’t top the list. The biggest problem? The growth of large lot subdivisions leapfrogging urban area and popping up in farm county. Now, is that not what most folks call ‘sprawl’? And that is why “sprawl” is a Core Confusing Word?

Also see **APPENDIX ONE** on page 31 of this *PERSPECTIVE* and the Resources Cited Therein.

B. DENSITY

A core Human Settlement Patterns issue is UnderStanding The Functional Parameters of the pattern and DENSITY of land use. ‘Density’ alone is not determinative of Functionality or Sustainability of Human Settlement Patterns.

“It is not how dense you make an organic component to cause it to be functional and sustainable; it is HOW you make an organic component of settlement patterns dense.”

The most recent theme of those who would make settlement patterns LESS functional and sustainable by building more Single HouseHold Dwellings has to do with the impact of COVID–19. See Samuel Kling, *Is the* [Density of the] *City* [REgion] *Itself the Problem?*

(2020). Nicole Gelinas, *In New York City, Density Saves lives, Too.* (2020), Emily Badger, *Density Is Normally Good for Us. That Will Be True After Coronavirus, Too,* (2020).

Anthony Flint, *The Future fo Density,* (2020). Flint of the Lincoln Institute of Land Policy does an excellent job of clarifying the role of DENSITY in this Perspective. Also see *New York Magazine, COVID– 19 Data Reveal That Urban Density Is Not the Enemy,* (2020).

Peter Calthorpe’s richly illustrated and admirably titled book *The Next American Metropolis: Ecology, Community, and the American Dream* – to cite just one of perhaps 40 volumes in the SYNERGY library – provides illustrations of components of large Planned-New-Community-Scaled projects located between what has been built in the past and the scattered URban land uses to be built across the COuntrieside in the future. Calthorpe starts in a weak position due to his reliance on “The Transect” and his failure to identify and rely on the Organic Components of **HUMAN SETTLEMENT PATTERNS.** See *CURRENT PERSPECTIVE* # 37 (Risse, 2019) and Risse, *THE LITTLE BOOK* (Forthcoming in 2020)

C. FULL COST ALLOCATION

The only way to evolve Functional and Sustainable Human Settlement Patterns that also result in an equitable distribution of resources is to have the full costs OF ALTERNATIVE SETTLEMENT PATTERNS fairly allocated. That means NO EXTERNALITIES. Over the past 100 years NO ONE has paid their fair share of the full costs of Contemporary Civilization. [See Henry George, *Progress and Poverty,* (1879). Politicians and government practitioners push down taxes and fees to placate citizens and campaign sponsors who do not understand the true cost and value of quality municipal services.

The best way to understand this reality is to examine the full cost of occupying an Single HouseHold Detached Dwelling. Only a small portion of this full cost is now paid by the owner/occupant. Allocating the full cost would result in such a dwelling to be UnMarketable as documented by Risse, *THE SHAPE OF THE FUTURE,* (2000).

Many other resources support the author’s assertions in this context. Citizens at the top of the Economic Ziggurat have become addicted to living off of Mass Over Consumption of the Earth’s resources, not just fossil energy

D. DEMOCRACY THWARTED BY MONEY SHOVELED INTO GOVERNANCE STRUCTURES (CAN YOU SAY CITIZENS UNITED?)

AUTHOR’S NOTE: One of the key generators of the Road Blocks articulated in this Section are the overwhelming amounts of money, most of it due to the efforts of political parties.is the

operation of Political Parties. The two party system is profoundly broken almost every election sets new records for “outside money.” Currently, the primary role of Political Parties is to get members elected and to keep them in office. Actions of Political Parties must be limited to actions impacting New Urban REgions.

E. THE FAILURE TO GRASP THE COMPREHENSIVE CONCEPTUAL FRAMEWORK OF HUMAN SETTLEMENT PATTERNS

TRILO-G: Foundations, Bridges and Action is a 4,600 plus page articulation of the Comprehensive Conceptual Framework of Human Settlement Patterns. The best summary of the Comprehensive Conceptual Framework is the Power Point on the CD that presents ***TRILO-G***. This Power Point is titled ***New Urban REgion Conceptual Framework***. The Power Point is easy to UnderStand but not as easy to find on the CD. In this CD each of the three Books of ***TRILO-G*** is in a separate folder. The Power Point is in the folder for Vol III, ***ACTION***. An alternative path to grasping the Comprehensive Conceptual Framework is ***The ESTATES MATRIX: 700 Years of Profound Transformation and Estate Conversions***. This is Chapters 4 through 7 of ***PART TWO, TRILO-G***. Also see the Liner Notes for ***TRILO-G*** linked from the Publication page at www.emrisse.com

F. HUMAN NATURE

As documented by Edward O. Wilson human nature (the genetic composition of Homo Sapiens) has evolved over 500,000 years. Much of this genetic material remains unchanged over most of this period. SYNERGY refers to the guidance from this ancient DNA as “Primitive Genetic Proclivities.” [E. O. Wilson, ***The Social Conquest of Earth***, (2012)]

The impact of instantaneous communication and social media has challenged the presence of these Primitive Genetic Proclivities determining individual and group actions in democratic and formerly democratic societies. This conflict has been papered over by economic and social inequality of classes of humans (aka, race) and by Mass OverConsumption.

Alexis de Tocqueville, ***Democracy in America*** (Vol I and II 1835 and 1840).

Paul Fussell, ***Class: A painfully Accurate Guide Through the American Status System***, (1983).

Isabel Wilkerson, ***Caste: The Origin of Our Discontents*** (2020).

In the context of human inability to follow science based guidance to prevent the spread of COVID–19 citizens of the United States have been deemed ‘selfishness.’ Others have suggested

that the citizens are afflicted with “Affluenza.” De Graph, Wann & Naylor *Affluenza: How overconsumption is killing us – and how to fight back*, (2017).

SECTION 6 – RESOURCES ON TOPICS THAT CITIZENS MUST COME TO UNDERSTAND.

WHAT INFORMATION MUST CITIZENS UNDERSTAND IN ORDER TO SECURE THE PROFOUND TRANSFORMATIONS THAT YIELD FUNCTIONAL AND SUSTAINABLE NEW URBAN REGIONS OUTLINED IN SECTION 4.

Section 6 contains few words from the author – where comments are inserted they are identified by “**AUTHOR’S NOTE:**”. In this Section, the author primarily lists resources that will help citizens UnderStand and secure the objectives outlined in Section 4 above. In spite of the Road Blocks enumerated in Section 5.

AUTHOR’S NOTE: To locate these resources the author relies on resources such as *A Daily Dose of Resilience* from the Post Carbon Institute. The Institute curates the content of a daily newsletter from a wide range of news and opinion sources including some from the UK and Europe. Many of the resources distributed by *A Daily Dose...* have been previously published by other outlets. Other resources upon which the author relies include *The Washington Post*, *The New York Times*, *The Houston Chronicle*, *CITYLab* [URban LAB] now published by Bloomberg, *Strong Towns*, *The Brookings Institution*, *The Lincoln Institute of Land Policy*, *Public Square* by The Congress for the New Urbanism, *Smart Growth America*, *Coalition for Smarter Growth*, *EcoCity Builders*, *The Schumacher Center*, *The Daily News*, *The Bay Journal*, *Advocates for a Sustainable Albemarle Population*, *The Piedmont Environmental Council*, and others.

A. THE OVERARCHING CONCEPT OF GROWTH

AUTHOR’S NOTE: Unfortunately it is widely taken as a matter of faith that “Growth” yields Prosperity. Growth seems to yield rewards for the top 1, 5 or even 20 percent of the population but not for the vast majority of citizens.

Consumption to feed Growth in the context of the current Economic Structure and the current Governance Structure is destroying the planet and Homo Sapiens life support system.

Over the past 150 years economists have relied on neoliberal market fundamentalism and industrial capitalism to support the need for infinite Growth on a finite planet. For reasons that are not clear misconceptions about Growth continue to dominate.

See again Professor Alfred Bartlett and the most important video you will ever see on humans inability to understand the impact of The Exponential Function
Jason Hickel, *We Can't Grow Our Way Out of Poverty*, (2020)

Afeez Ahmed, *Green Economic Growth is an Article of 'Faith' Devoid of Scientific Evidence*, (2020)

Measures of Growth including Gross National Product and Gross Development Product are used in spite of the more realistic measures such as Gross National Happiness address true progress.

B. GROWTH, DEGROWTH AND CAPITALISM

Herman E. Daly, *Beyond Growth: the Economics of Sustainable Development*, 1996.

Donella Meadows, Jorgen Randers & Dennis Meadows, *Limits to Growth: The 30-Year Update*, 2004.

Tim Jackson, *Prosperity Without Growth: Economics for a Finite Planet*, 2011.

Julia Steinberger, *Pandenomics: A Story of Life Versus Growth*, 2020.

Corinna Burkhart, *Degrowth and the Emerging Mosaic of Alternatives*, 2020. (AUTHOR'S NOTE: If you are uninterested in DeGrowth – PLEASE READ THIS.

Richard Heinberg, *Pandemic Response Requires Post-Growth Thinking*, (2020) (If you believe that DeGrowth is not 'the answer' – READ THIS.

Mark H. Burton, *Taking the Imperative Out of Growth* (2020)

Kirstin Miller, *Ecocities Emerging – May 2020* [The 16th Century Origins of Capitalism.] Also see *The Estates Matrix* cited in Section 5.

Veronica Hollinger, *On Extinction and Capitalism*, (2020)

Thomas Wiedmann, *Scientists' Warning on Affluence*, 2020 (Useful graphics)

Akshat Rathi, *These Folks [DeGrowthers] Think Eternal Economic Growth Will Lead to Unstoppable Climate Change*, (2020).

See Risse, *CURRENT PERSPECTIVE # 3 DEgrowth: Shrinking to Survive then Prosper* (2010)

Noam Chomsky, *Internationalism or Extinction*, (2020). **AUTHOR'S NOTE:** Internationalism IS EXTINCTION.

Cooperative Institutions created by Multi-REgion coalitions at all scales beyond the New Urban REgion can support desired and functional global ACTION. Localism is the right idea but the wrong word – “local” is a Core Confusing Word.

C. THE IMPACTS OF PANDEMICS AND THE ROLE OF SCIENTISTS

Lester Brown et. al., *State of the World: Governing for Sustainability*, 2014.

David Herlihy, *The Black Death and the Transformation of the West*, 1997.

John Feffer, *The Black Death Killed Feudalism, What Does COVID-19 Mean for Capitalism?*, 2020.

Ishaan Tharoor, *The pandemic May Forever Change the World's cities* [REgions], 2020.

Jeremy Lent, *The Coronavirus as Crucible (Response to After the Pandemic: Which Future?)*, (2020)

The current failure of citizens to follow recommendations for flattening the curve for COVID-19 is blamed on Selfishness and **Affluenza** of citizens of the United States.

Chuck Collins, *In a Pandemic, Billionaires Are Richer than Ever. Why Aren't they Giving More?* (2020).

D. AGRICULTURE AND FOOD (Land and Water)

Richard Heinberg, *Fraying Food System May Be our Next Crisis*, 2020.

Paula Daniels, *Investing In A Good Food Future*, 2020.

Kollibn Sonnenblume, *Slaughter of the Innocents: COVID-19 and the Future of Agriculture*, 2020.

Sam Leach, *Farming at Human Scale: How Small and Localised Supply Chains Can Adapt to a Crisis*, 2020.

Eric Darier, *Food Sovereignty Now and Beyond COVID-19*, (2020)

Stan Cox, *It's Not Just Meat: All Farm and Food Workers Are in Peril* (2020)

Patrick Holden, *Land Sharing and Land Sparing: We Need Food in Harmony with Nature*, (2020).

Emily Folk, *Could Cover Crops Help Fight Global Food Insecurity?*, (2020).

Chris Smaje, *A Small Farm Future*, (2020).

Ffion Storer, *A Fairer Deal for Farmers*, (2020)

Chuck Marohn, *It's Time to Fix Our Fragile Food Systems*, [Strong Towns]

E. PRIVATE PROPERTY VS THE COMMONS

The World Commission on Environment and Development (Gro Harlem Brundtland, Chairman) *Our Common Future* (1987)

Elinor Ostrom, *Governing the Commons: The Evolution of Institutions for Collective Action*, (1990, Nobel Prize 2009)

David Bollier & Silke Helfrich, *Free, Fair and Alive: The insurgent Power of the Commons*, 2019. Key new volume on the topic of The COmmons.

David Bollier, *Let the Institutional Innovation Begin!* (Part I), 2020.

David Bollier, *The Pandemic as a Catalyst for Institutional Innovation* (Part II), 2020.

David Bollier, *Growing the Commonsverse*, (Part III) (2020).

The value of UnderStAnding the potential of The COmmons is so that citizens can make the most of every opportunity to apply The COmmons ownership to the provision of goods and services.

AUTHOR'S NOTE: Follow the lead of Einstein here as in Section 2.

Who in their right mind would assume the ownership of ancient COmmon fossil energy (or other ancient materials and elements) were automatically the right of the owner of the surface of the land? Who in their right mind would assume a riparian land owner would have rights to water in a river or stream? Who in their right mind would establish a system that allow Enterprises to plunder the COmmon marine Resource? These Perspectives are not new note that Henry George made supporting observations about the ownership of ancient COmmon Resources.

The current status of the fossil energy enterprises is a good example of what happens when the control of natural resources is turned over to ENterprises rather than treated as part of The COMmons.

Silke Helfrich, *How Coronavirus is Forcing us to Think Beyond Market and State*, (2020).

Sharon Kelly, *As Trump Leaves Permian Oilfield, Industry Insiders Question if 2020 Bust Marks Texas Oil's Last Big Boom*, (2020).

The primary reason new sources of revenue are needed now is that for 150 years Citizens have not been paying their fair share of the cost of maintaining civilization. AGENCY office holders shave needed expenditures to support lower taxes and their reelection. Economists sweep these expenditures off the table and call them “externalities.”

Satoko Kishimoto, *The Future is Public Ownership in time of Coronavirus: Towards Democratic Ownership of Public Services*, 2020.

F. GOVERNANCE REFORM

Chris Tomlinson, *Politics Will decide COVID-19 Not Science or Economics*, (2020).

Chris Tomlinson, *Republicans put Wall Street Over Main Street in COVID-19 Response*, (2020).

Kavita Byrd, *Now is the Time – Revolution, Inner and Outer*. Part 1, 2020. Kavita Byrd, *Now is the Time – Revolution, Inner and Outer*: Part 2, 2020.

Norman Leahy, *It's Time for Citizen Initiatives in Virginia*, 2020. **AUTHOR'S NOTE:** It is time for universal Citizen Initiatives and Citizen Recall. They should be part of Governance at every level.

G. ECONOMIC SYSTEM REFORM

Teju Adisa-Farrar, *Pandemic Priorities: Supporting Alternative Now is Promoting a Sustainable Economy*, (2020)

Richard Reeves, *Dream Hoarders: How the American Upper Middle Class is Leaving Everyone Else in the Dust, Why That is A Problem, and What To Do About It*. (2017)

Sue Goss, *To Build a New World, we Need Less 'Machine Mind' and More 'Garden Mind'*, (2020)

Chris Tomlinson, *Biden economic plan harkens to 1933 for inspiration* , (2020)

H. GREEN NEW DEAL

Don Fitz, *Soaring Beyond the Green New Deal*, 2020.

Timothee Parrique, *Decoupling: Resources for a Better Future* [Green New Deal vs DeGrowth / Growth vs Sustainability], (2020)

Stan Cox, *The Green New Deal and Beyond* (Going on an Energy Diet), (2020)

Jordan Teicher, *The Revolution Will Not be “Green”*, (2020).

Joel Stronberg, *It’s the Economy Stupid, and it Needs A Green New Deal*, (2020)

I. OPENING THE OVERTON WINDOW

Richard Heinberg, *Pandemic Response Requires Post-Growth Thinking*, (2020)

Rob Hopkins Reviews *Human Kind: Hopeful History*, by Rutger Bregman, (2020) It will take more than one good book to enter the Overton Window.

J. THE UNITED STATES ?

Olga Khazan, *The Three Personalities of America*, Mapped, 2020.

See arguments for the end of “states” and the replacement with New URban REgions in Risse, *THE SHAPE OF THE FUTURE* (2000)

Ken Ilgunas, *America May Be Opening Back Up, But Most of Our Land is Still Off-Limits. Let’s Change That*, (2020).

George Monbiot, *English Landowners have Stolen our Rights, It is Time to Reclaim Them* (2020)

Henry George, *Progress and Poverty*, 1879.

K. ECONOMISTS

Steven Pearlstein, *Still in Thrall of John Maynard Keynes*, 2020.

Chris Tomlinson, *America needs broader measures of success beyond GDP*, 2020.

L. COLLAPSE

Richard Heinberg, *Avalanche*, (2020)

Jared Diamond, *COLLAPSE: How Societies Choose to Fail or Succeed*, (2011).

Asher Moses, “*Collapse of Civilisation is the Most Likely Outcome*”: *Top Climate Scientists*, (2020).

Steven Pearlstein, *The Fed is Addicted to Propping Up the Markets, Even Without a Need*. (2020).

Toby Ord, *The PRECIPICE: Existential Risk and the Future of Humanity*, (2020).

Alexa Hazel, *In Optimism Lies Urgency: Toby Ord and the Future of Humanity*, (2020) A review of Ord’s book.

Thomas Wiedmann, *Scientists’ Warning on Affluence*, (2020).

Craig Collins, *Four Reasons Civilization Won’t Decline: It Will Collapse*, (2020)

Joshua Gorman, *This Pandemic. It’s Systemic*. (2020).

Andrew Langley, *What Can we Learn from the Collapse of Bronze Age Cultures?*, (2020).

Katarzyna Gajewska, *The Cultural Preparation for Crisis*, (2020).

Chris Smaje, *Collapse: A Helpful Guide for the Perplexed*, (2020).

Chris Smaje, *Business-as-Usual Porn – or We Need to Talk about Collapse*, (2020).

Frank Kaminski, *Review: An Archdruid’s Tales by John Michael Greer*, (2020).

Martin Parker, *Coronavirus: Have We Already Missed the Opportunity to Build a Better World*, (2020).

M. ENERGY

Richard Heinberg, *Nobody Takes the Renewable Energy Transition Seriously*, 2020.

Chris Smaie, *From Energy Transition to Energy Reduction*, 2020.

Chris Tomlinson, *Coronavirus Costing Oil and Gas \$1.8 Trillion in 2020, New Data Shows*, (2020).

Richard Heinberg, *Coal Is a Dinosaur and So Is the Growth Economy*, (2017).

N. TRADE

Rob Dietz, *Twenty Questions that Will Make you Rethink Trade*, (2020)

Laurie King, *Chain Reaction*, (2020)

O. HEALTH OF THE PUBLIC (NOT PRIVATE SECTOR 'PUBLIC' HEALTH)

Karen Lynn Allen, *Social Cohesion and Public Health* (Importance of Walking), 2020.

P. TECHNOLOGY

William & Elizabeth Paddock, *We Don't Know How: An Independent Audit of what they call success in Foreign Assistance*, 1973.

Kris D. Decker, *Thermoelectric Stoves: Ditch the Solar Panels?*, [In the CountrySide?], 2020.

Lorraine Potter, *Agroforestry Land Restoration Technique Improves Food Security in Honduras*: [Inga Alley Cropping], 2020.

Q. ENTERPRISES

Paul Gilding, *COVID-19 And The Death of Market Fundamentalism*, (2020),

Chris Tomlinson, *Clean Energy Eclipsing Oil and Gas in Texas*, (2020).

Nicholas Wenner, *3 Maps Show How We Can Unlock Local Clothing Industries* [in re Fibersheds] (2020)

Houston Chronicle Editorial Board, *CEOs No Longer Believe 'Greed is Good'*, 2019. Based on revised mission statement of the Business Roundtable. Also see endorsement of Ayn Rand's view of greed that is embraced by multiple current active Agency Office Holders and Governance Practitioners.

R. AGENCIES

George Monbiot, *People Want a Greener, Happier World NOW. But Politicians have other Ideas*. (2020)

S. INSTITUTIONS

John Foran, *Transforming the University to Confront the Climate Crisis, Part 1 , Part 2, and Part 3*, (2020).

AUTHOR'S NOTE: Here, near the end of the last Section of this CURRENT PERSPECTIVE is a seed that has the potential to grow and become the timber that supports the Profound Transformation of Governance Structures and the Profound Transformation of the Economic Systems. It springs from the work and ideas of Professor John Foran above.

Each large New Urban Region in the United States has many worthy academic institutions. The federal government could enact sweeping legislation that would establish the framework to educate society and implement Profound Transformation called for in Section 2. The basic vehicle would be Federal legislation akin to the Morrill Act of 1862 that established Land Grant Colleges, now primarily Universities. It goes without saying that the framework would **NOT** involve taking land from Native Americans and turning it over to states to be sold to endow the colleges.

The legislation would supply funds and overall guidance for a decade long education, citizen participation and Governance / Economic System Transformation. These Transformations would implement structural change using the academic capacity of the Universities as a way to avoid 'capture' by political functions. The programs, strategies and tactics would serve the needs of all citizens as contrasted with the governance programs of the last 40 years that have primarily benefitted the already well endowed.

The first requirement will be to broaden the scope of the effort from 'just' the Climate Crisis to all 22 HeadWinds noted in Section 2. Next the scope also must be refocused to improve not just

educational opportunities AND the structure of universities but to evolve ways to harness new strategies to improve Human Settlement Patterns and thus address ALL of the HeadWinds.

T. ORGANIZATIONS

For readers reference, there are four classes of ORganizations that citizens create:

ENTERPRISES that are organized to make money (aka, raise Capital);
AGENCIES that are created to manage all aspects of society,
INSTITUTIONS that are organized to carry out all other multi HouseHold tasks
including managing The COMmons,
HOUSEHOLDS

U. INTERNATIONAL (AKA, INTERREGIONAL)

See Section 4. concerning the end of ‘nation-state’ and ‘international’ ENterprises.

Greattransition.org, *Great Transition Initiative: Toward a transformationive Vision and Praxis*, (2020)

Rupert Read, *Extinction Rebellion: Insights From the Inside*, (2020).

Richard Heinberg, *Doom or denial: Is there another path?* (2020). Heinberg, is one of the best minds writing on sustainability. Here he takes on the Extinction Rebellion vs Deep Adaptation.

AUTHOR’S NOTE: It is good to UnderStand what they are thinking on the other side of the pond.

Fermin Koop, *G20 Bets on Fossil Fuels For Post-COVID-19 Economy Recovery Plans*, (2020).

Kavita Byrd, *Beyond the Divides of Black and White Thinking – Coming Together in the Heart of Our Wholeness: Part 4*, (2020).

V. ARCHITECTURE AND PLANNING PROCESSES

Kurt Cobb, *Climate and Architecture*, (2020)

Emily Badger & Quoc Trung Bui, *Cities Start to Question an American Ideal: A House With a Yard on Every Lot*, 18 June (2019).

Robert Steuteville, *Memphis Plans for Long-Term Growth Around Community Anchors*, (2020).

Patrick Sisson, *How the '15-Minute City' [Community] Could Help Post Pandemic Recovery* , (2020).

Roman Krznaric, *Four Ways to Redesign Democracy for Future Generations*, (2020). The key paragraph in Krznaric's Perspective is as follows:

The final strategy for redesigning democracy for future generations is the radical devolution of decision-making power from central government, (nation-state level) where it is typically captured by corporations and other vested interests bent on short-term gains. Compelling evidence from a new Inter-generational Solidarity Index reveals that countries with decentralized political systems (such as Switzerland and Japan) perform better on indicators of long-term environmental, social and economic performance.

AUTHOR'S NOTE: It was with surprise and pleasure that the author noted that the work of Steuteville, Sisson and Krznaric cited above. Taken together these three Perspectives mirror the author's first SubRegional Plan for a section of the Upper Mohawk Valley, New York in 1967. This plan was written during his first job out of law school. In the Mohawk Valley context, it reflected the location and role of 19th century industrial enclaves along the Erie Canal and the agricultural Urban enclaves in the CountrySide. These were assigned as the cores for the emerging Urban fabric.

The second opportunity to evolve SubRegional plans came in the 2000s as part of a process to consider the future of emerging Urban enclaves in studies of Eastern Loudon County, Eastern Prince William County and for the National Capital SubRegion of the Baltimore / Washington New Urban Region. This work was supported by the Piedmont Environmental Council.

The process evolved with each subsequent plan and this process was documented in *The Citizen Handbook* published as PART TWELVE, Chapters 41 to 44 in Risse, *TRILO-G* (2010). Political traction to carry out the three step process was not present in any of the contexts. Perhaps in Memphis...

W. CLIMATE CHANGE

Peter Forster, *Why Low-End 'Climate Sensitivity' Can Now be Ruled Out* (2020)

Kurt Cobb, *If You Can't Stand the Heat... Get Off of the Planet*, (2020)

David Spratt, *As Warming Approaches 1.5 degrees C, Talk of a Carbon Budget for the Paris Targets is Delusional*, (2020).

Wolfgang Knorr, *The Climate Crisis Demands New Ways of Thinking from Climate Scientists*, (2020).

Khalil Shayd, *From COVID-19 to Climate: Lessons for Climate Justice*, (2020).

Zeke Hausfather, *In Tackling the Global Climate Crisis, Doom and optimism are both Dangerous Trips*, (2020).

E M Risse, *Tippling Point, CURRENT PERSPECTIVE # 41* (2019)

X. NATURAL RESOURCES

Robert J. Samuelson, *We're Facing the 'Great American Slowdown.' Should We Celebrate?* 2020.

Diana Vela Almeida, **Extractivism: Resources for a Better Future**. (2020).

Emma Bryce, *Can the Forests of the World's Oceans Contribute to Alleviating the Climate Crisis?* [The topic is Kelp.] , (2020).

Nafeez Ahmed, *This is How We End Deforestation to Avert Pandemic, Climate and Societal Collapse*, (2020)

Daisy Dunne, *Tree Panting Can Help Tropical Forests 'Recover 50% Faster' from Logging*, (2020).

Y. MUNICIPAL LAND USE CONTROLS

AUTHOR'S NOTE: Municipal land use controls have been blamed for being a major driver of Dysfunctional Human Settlement Patterns. And they have been, but they are a resultant of other drivers.

During the first decade of his professional career, because of his education in law, the author devoted a considerable amount of time to the evaluating, drafting, implementing and administering AGENCY land use control systems (aka Zoning, Subdivision Regulations, official maps, etc). These systems ranged from SubRegional to CLuster scale regulations. In New York State the largest control system provides a land use framework for the 6,000,000 acre Adirondack Park. The majority of the projects were Municipal land use control systems.

The word “Municipal” is the core of the problem. Land Use Control Practitioners by-in-large sought to draft and administer controls that reflected and furthered the interests of the Municipal residents and land owners. It turns out that what pleases citizens in the field of land use controls collectively does not meet the need for effective land use control systems.

Z. FIEFDOMS

AUTHOR’S NOTE: New Urbanists have convinced some mayors and some clients to build quality projects reflecting New Urbanist’s concepts.

Too often New Urbanist’s projects are located on Greenfield Sites and / or they are of small scale. Good ideas and quality design concepts have been created at this smaller scale. As noted above the small projects have not had a major impact on the patterns and density of larger scale projects. See Resources in Paragraph V. above as well as Kaid Benfield, *People Habitat: 25 Ways to Think About Greener, Healthier Cities* (2014) and Jeff Speck, *Walkable City [COommunity] : How Downtown Can Save America, One Step At A Time* (2012).

THE END

Robert Brooks, *Will Civilization’s Response to COVID-19 Lead To a More Sustainable, Equitable World ?*[Civilization], (2020).

Paul Gilding, *It Will Get Darker Before the Dawn*, (2020).

Richard Heinberg, *United States, An Obituary*, (2020). **AUTHOR’S NOTE:** The End is Near. If you do not believe that, read this Perspective by Heinberg.

APPENDIX ONE

ON VOCABULARY, CAPITALIZATION AND TYPOGRAPHIC STYLE.

In the evolution of a robust and functional Vocabulary and effective Typographic Composition to accurately articulate the complexity of Human Settlement Patterns, SYNERGY / E M Risse applies three Principles:

ONE – EVOLVE A VOCABULARY – WORDS AND PHRASES – AND
TYPOGRAPHIC COMPOSITION TO PRECISELY ARTICULATE THE ELEMENTS

AND PARAMETERS OF A **COMPREHENSIVE CONCEPTUAL FRAMEWORK**
for **FUNCTIONAL AND SUSTAINABLE HUMAN SETTLEMENT PATTERNS**;

TWO – AVOID THE USE OF **CORE CONFUSING WORDS**;

THREE – **EXPAND THE USE OF CAPITAL LETTERS** TO MORE CLEARLY
ARTICULATE THE SPECIFIC MEANING OF KEY WORDS AND PHRASES AS
WELL AS FOCUSED TYPOGRAPHIC COMPOSITION.

SYNERGY / E M Risse avoids the use of Core Confusing Words and attempts to evolve words, phrases and letter sequences that are intuitively clear in the context used. The Core Confusing words that are avoided include **UNCAPITALIZED** use of the words “city”, “exurban”, “family”, “local”, “rural”, “sprawl”, “suburban” and “urban”.

Capitals are employed for the key elements of the Human Settlement Pattern Vocabulary. Words that have specific meanings with respect to Human Settlement Patterns are treated like Proper Nouns to avoid confusion. Within the guidelines of conventional grammar, ENterprises, AGENcies and INstitutions are free to employ All Caps, Initial Caps and Interior Caps to differentiate and advertise their structures, products and services.

Why then should those trying to UnderStand and Articulate the complexity of Human Settlement Patterns be required to rely on confusing words and phrases and arcane rules of grammar?

Due to the fact that Capitalization survives most inter-system translations, Capitalized terms are employed when a specific definition of a word or phrase is intended. **ALL CAPS** are used for emphasis. This is because *italics*, underlining, **bold**, **color** and **highlighting** are often lost in software translations – e.g. the software used by different email providers.

Many words, phrases and letter sequences used in SYNERGY / E M Risse communications, **CURRENT PERSPECTIVES (CPs)** and **BOOKS** that **APPEAR** to exhibit ‘irregular capitalization’ are defined in the GLOSSARY linked from the *RESOURCES* page at <https://www.emrisse.com>. The evolution continues and some use of Capitalized words have not yet been added to SYNERGY’s on-line GLOSSARY. Many of the words used by SYNERGY are defined in ***THE SHAPE OF THE FUTURE***, APPENDIX ONE – LEXICON, however, these definitions were current when that book was last revised in the mid 2000s.

In addition to consulting the GLOSSARY, one can **Google** ‘e m risse’ followed by the word, phrase or letter sequences in question – for example ‘e m risse J / H / S / R / A’ – and find a definition and / or find the word, phrase or letter sequence used in context.

Links are not provided for referenced resources which are not in the control of SYNERGY. References to resources not authored by E M Risse can be located via an Internet search.

An expanded Capitalization strategy has been employed since the publication of *CP # 33* (June 2014). In the past, a second capital has been used **WITHIN** compound words with specific meanings (e.g. OpenSpace, SubRegional, etc.) to focus attention on the need to UnderStand the exact meaning of these terms.

As noted in APPENDIX TWO of *THE SHAPE OF THE FUTURE*, there are some important words for which there is no good substitute in English. In the past the words Unit, Cluster, Neighborhood, Village, Community and Region (including New URban REgions) have been capitalized.

In *CURRENT PERSPECTIVE # 33* and subsequent publications, a double capital is used to start the title of each organic component of human settlement pattern – e.g. UNit, CLuster, NEighborhood, Village, COmmunity, REgion. Also additional words will be given Interior Capitals (e.g. HouseHold and SubREgion) as the need arises.

In terms of Typographic Composition paragraphs are short and indented and **bold** text is used to highlight important perspectives. In addition, the titles of referenced books, reports and papers are treated as text. This is done on the assumption that the author can best paraphrase the content and context of the subject matter. This strategy avoids the insertion of long number and symbol sequences in references that distract the reader.

If you do **NOT** find the avoidance of Core Confusing Words, expanded Capitalization to indicate the application of a precisely defined Vocabulary or Typographic Composition useful to articulate a **Comprehensive Conceptual Framework** for Human Settlement Patterns, you are welcome to create your own strategies to achieve UnderStanding in the context of Awareness => Interest => UnderStanding => **Informed** Action with respect to Human Settlement Patterns.

However: Do not be deluded and think that you will achieve UnderStanding much less Informed Action using an inadequate Vocabulary which triggers Unfounded and Conflicting Neural Linguistic Frameworks.

The use of confusing words and phrases reflect Disorienting Naive Reality founded on Primitive Genetic Proclivities. See *CURRENT PERSPECTIVE # 24 Live By / Die By* linked from the *CURRENT PERSPECTIVES* page at www.emrisse.com.

NB: Evolving a functional Vocabulary is an ongoing process and feed back is welcomed. Please DO NOT provide blanket negative feedback UNLESS you also provide alternative strategies to evolve functional Vocabulary and Composition. The continued use of Core Confusing Words and limited Capitalization of words – especially for the organic components of human settlement – is NOT an acceptable response. Also see *Millennials Destroyed the Rules of Written English and Created Something Better: The Spelling and Grammar Rules Do Not Apply on The Millennial Internet*, Rachel Thompson, *Mashable* (2 Apr 2018).

This NOTE updates both **APPENDIX ONE – LEXICON** and **APPENDIX TWO – CORE CONFUSING WORDS** of Risse, *THE SHAPE OF THE FUTURE*, (2000)

APPENDIX TWO

ON CITATIONS TO REFERENCES AND THE SCOPE OF SYNERGY’S EXPERIENCE AND PERSPECTIVE WITH RESPECT TO THE SITED HEADWINDS AS IT RELATES TO HUMAN SETTLEMENT PATTERNS.

A. REFERENCED RESOURCE CITATIONS

Throughout this CURRENT PERSPECTIVE, the author has used a consistent format for citations. This format is a simplification of alternative formats. The format reflects the most efficient current use of web searches on the topics in this PERSPECTIVE. As to the volume of references, there is a tsunami of candidate citations. Nearly every one of the five hundred volumes in the SYNERGY library could be cited to support the text in this PERSPECTIVE. There are also perhaps twenty five relevant new resources per day that flood off the Internet due to the scope of this Perspective. The most recent sources cited were published on or before 15 August 2020.

B. THE SCOPE OF SYNERGY’S PERSPECTIVE AND EXPERIENCE WITH RESPECT TO THE CITED HEADWINDS.

The author has a unique range of field experience (See Bio/CV page at www.emrisse.com) that has provided the opportunity to examine the relationship between FUnctional and SUsustainable Human Settlement Patterns in the context of each of the HeadWinds noted in Section 2. Section 2, reflects SYNERGY’s experience with **FUnctional and SUsustainable Settlement Patterns** at the CLuster, NEighborhood, Village, COmmunity and New URban REgion Scales. In other cases it reflects Common Sense and COmmons-Based Strategies.