

Chapter 19

Digital Strategy for a Sustainable Civilization

ABSTRACT

This chapter analyzes aspects of a digital strategy aimed at developing a sustainable civilization. The chapter begins by examining the arrangement and configuration of a green state. Specifically, core values and critical subsystems of this configuration are considered. Next, the chapter suggests a digital format for computerizing a wise civilization. The chapter then presents sustainable society indices for Norway, the US, Russia, China, and India. After this, the Geoinformatic Management System (GMS) of 8D Civilization is introduced. It is followed by a discussion of some of the existential dangers that face civilization. The chapter concludes by discussing the GMS 8D Civilization architecture for the world, continents, countries, and enterprises.

INTRODUCTION

Global warming is one of the predominant world issues in the 2020s. However, solving this problem requires that it be put in the broader context of a sustainable civilization, in which the preservation of nature is a priority. Looking at society today, it is clear that there is a strong trend toward urban settlement. Many cities have tens of millions of inhabitants (taking into account the vast metropolises). Therefore, before planning a sustainable civilization, we must consider the arrangement and configuration of a “green” (wise) city¹ as the nucleus for a sustainable civilization. Next, we must plan how to monitor this process via computerization.

GREEN (WISE) STATE CONFIGURATION (GRSC)

- **Intention:** Employ Wisdom when deciding how to manage and use resources in the context of humanism.

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- **Strategy:** Complement the online configuration and inform applications that control the sustainable development of civilization.

The use of a knowledge-based state configuration (KNSC) is a marvelous achievement. Still, it is critical that a knowledge-oriented configuration wisely choose “green options” (in a broad sense of the word) when making decisions. These choices should occur within the context of the art of living and humanism, and they should aim at the sustainable development of the state. Figure 1 illustrates the architecture of the green (wise) state configuration.

In the KNSC model, computerization applications are essential for climate control, the “green” environment, and the fate of people in vital economic processes. For a state to be wise, however, it must support the development of a wise civilization.

A wise civilization means the adoption of the following values (Targowski, 2016):

1. Nature comes first.
2. People are more important than markets.
3. Human health is more important than money.
4. Economic sufficiency is more important than performance.
5. Businesses serve people and are effectively controlled by people.

Since capitalism and socialism are based on continuous economic growth (which leads to the depletion of strategic resources), a policy developed by a systems ecology outlook (a field of study that takes a holistic approach to ecological systems) should be developed, which would consist of the following subsystems:

- **Eco-education:** Education based on eco-knowledge and Wisdom;
- **A wise society:** A society trained and educated in the field of eco-education and qualified to make wise decisions;
- **Eco-democracy:** A system where everyone is equal and where citizens’ voices are central in environmental decision-making;
- **Eco-justice:** A legal system in which environmental damages are taken into account, and one in which, under certain circumstances, perpetrators are punished;
- **Eco-infrastructure:** Infrastructure that functions in harmony with nature and protects it from destruction;
- **Deep economics:** An economic outlook that, in addition to business and administrative costs, includes environmental and social costs in cost-benefit calculations;
- **Deep media:** Media that comprehensively and objectively inform the public about the state and progress of sustainable civilization;
- **Eco-communication:** Communication-based on techniques that are friendly to nature and humankind.

The model of a balanced (green/wise) civilization is given in Figure 2.

The first prerequisite for a green (sustainable) civilization is that civilians commit to adopting a second layer of religion, called “Spirituality 2.0.” This religion would not replace any of the existing religions (or “Religion 1.0”), which would be seen as heresy and an unprecedented revolution. Such a replacement

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