

Chapter 10

Global Governance of Science: Wishful Thinking or a Life Necessity in the Context of International Relations and Their Philosophy

Yury Sayamov
Moscow State University, Russia

ABSTRACT

This chapter draws attention to the role of education technologies within the entire issue of the global governance of science considered here to be of growing importance for the present world development. Introducing the notions of the global knowledge world and the knowledge society, the author presents the vision of the management of science as of an international task and one of development goals. He analyses the relationship of science and bureaucracy establishing a kind of a systematization for the decision-making process related to science and explains his point of view that the global governance of science could be based on the activities of international bodies and structures of intergovernmental nature (IIGOs), most importantly of UN and UNESCO, and of non-governmental character (INGOs). Taking into account various aspects of internal and external management of science, the author points out that the global management of science appears to be a life necessity due to the growing need to jointly search for global scientific responses to the global problems, new risks, and challenges that mankind is facing. In conclusion, some ideas are expressed and proposals given to foster the goal of the global governance of science.

DOI: 10.4018/978-1-5225-5673-2.ch010

INTRODUCTION

The idea of governing the world is most probably as old as humanity itself. At the beginning of its history the world of the human being was small consisting of separate areas people were living in. The first river civilizations in Ancient Egypt along the Nile River, in Mesopotamia called the Fertile Crescent of the Tigris and Euphrates Rivers, in Ancient China and India along the Yellow River and the Indus not to mention the Mexican and Peruvian civilizations on the yet-to-be discovered American continent existed isolated and lacking in knowledge about the others.

The end of the isolated existence of peoples and the opening of a new page in the common global history of mankind came approximately 37 centuries ago when the Egyptian pharaoh Tutmes of the XVIIIth dynasty undertook the subjugation of Syria and reached Mesopotamia thus bridging the gap between two great civilizations for the first time. According to the known French scientist Gaston Camille Charles Maspero, it was the beginning of the common world historical drama that has been played since that time on the global scene, merely changing its contents, actors and outside appearance.

With Great Geographic Discoveries paving the ways between civilizations, the exchange of knowledge acquired important dimensions. Perhaps it was this which made Sir Francis Bacon declare his famous, *Scientia potentia est* (knowledge is power).

However, what is knowledge and what is science has remained to the present day debatable, as well as notions of science governance and the governance of science.

According to the Report of the Expert Group on Global Governance of Science of the European Commission ((EC, 2009, p. 8), *science is broadly conceived as a special kind of knowledge along with a distinctive set of practices and cultures for producing it.*

In the Latin language “science” means “knowledge”. Science, being a human enterprise, produces and forms knowledge. People engaged in science are what we call scientists whereas science itself, on the other hand, can be considered in a sense as what scientists are doing.

Today it is widely recognized that science belonging to the whole of mankind represents the major driving force of globalization. It caused the emergence of the notion of global knowledge.

Global processes and the emergence of the information society gave rise to the notion of the Global Knowledge World and subsequently the so-called “knowledge society (Ilyin & Ursul. 2012).

16 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/global-governance-of-science/206657

Related Content

A Comparison of Population Growth Rate and the Rate of Increase in Food Crop Production in Africa

Emmanuel Kofi Ankomah (2022). *Research Anthology on Strategies for Achieving Agricultural Sustainability* (pp. 681-701).

www.irma-international.org/chapter/a-comparison-of-population-growth-rate-and-the-rate-of-increase-in-food-crop-production-in-africa/299278

Public Libraries and the Right to the [Smart] City

John Blewitt (2014). *International Journal of Social Ecology and Sustainable Development* (pp. 55-68).

www.irma-international.org/article/public-libraries-and-the-right-to-the-smart-city/114120

User Charges and Solid Wastes Generation in Lagos, Nigeria

Ayadi Folorunso Sunday (2011). *International Journal of Green Computing* (pp. 83-105).

www.irma-international.org/article/user-charges-solid-wastes-generation/61377

Customer Attitudes Towards the Role of Socio-Economic Factors in Electricity Theft: An Empirical Investigation

Sunita Saini, Satpal Singh and Rajbir Singh (2022). *International Journal of Social Ecology and Sustainable Development* (pp. 1-21).

www.irma-international.org/article/customer-attitudes-towards-the-role-of-socio-economic-factors-in-electricity-theft/292040

Sustainable Business Model Innovation: Using Polycentric and Creative Climate Change Governance

Job Taminiou, Joseph Nyangon, Ariella Shez Lewis and John Byrne (2020). *Sustainable Business: Concepts, Methodologies, Tools, and Applications* (pp. 1943-1962).

www.irma-international.org/chapter/sustainable-business-model-innovation/232884