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Design of Holistic Economics for a Global World

**Ivan Klinec
Institute for Forecasting
Slovak Academy of Sciences**

Holistic Economics

- **Industrial Age Economics**
- **Information Age Economics**
- **Mechanistic Paradigm**
- **Holistic Paradigm**
- **Economic Theory as Ideology**
- **Plurality of Economic Theories**

New Economic Theories

- **New Economics**
- **Humanistic Economics**
- **Real-Life Economics**
 - **Bioeconomics**
- **Biological Economics**
 - **Green Economics**
- **Steady-State Economics**
 - **Geonomics**
- **Network Economics**

Holistic Methodologies and Approaches

- Dissipative Structures – Ilya Prigogine
- Implicated Order and Holomovement – David Bohm
 - Creative Destruction – Joseph Schumpeter
 - System Approach – Fritjof Capra
 - Entropy Law – Nicholas Georgescu-Roegen
- Networking – John Arquilla, David Ronfeldt, Jessica Lipnack, Jeffrey Stamps
- Network-Centric Organization – Arthur Cebrowski, John Garstka
 - Swarming – Kevin Kelly, John Arquilla, David Ronfeldt
 - General Semantics – Alfred Korzybski
 - Hidden Civilization Code – Alvin Toffler
 - Information Theory of Value – John Naisbitt

Holistic Economics

- **Economy as Open Subsystem of Higher Systems – Society, Nature, Universe**
 - **Economy as Undivided Whole**
 - **Economy as Implicated Order and Globalization Process as Holomovement**
- **Economics as Map, Economic Theories as Partial Maps of Economic Reality**
 - **Irreversibility of Economic Processes**
 - **Economy as Dynamic Organism**

Holistic Economics

- **Economic Process as Process of Creative Destruction**
- **Implementation of Concept of Entropy into Economic Theory**
- **Information as In-Formational and Structure Creating Factor in Economy**
 - **Information Theory of Value**
 - **Economy as Dissipative Structure**
 - **Productive Factors as Civilization Attractors**
 - **Laws of Economy same as Laws of Nature and Universe**
 - **Renewing the Original Significance of Economy as Householding**

Economy as Open Subsystem

- **Economy is open subsystem and part of higher systems as are the society, Nature and Universe**
- **Laws of Economy are based on laws of Nature and Universe**

Economy as Undivided Whole

- **Economy is one undivided whole**
- **Each part of economy on every levels – global, national, local – is interconnected with all other parts**
- **Development of global world economy is interconnected with the development of all national and regional economies**

Economy as Implicated Order

- **Economy is sort of implicated order**
- **Hidden code of civilization is sort of implicated order**
 - **Form, structure and principles of national economies are form of explicated order**
 - **Globalization process is sort holomovement**

Economics as Map

- **Economics is map**
- **Economics is not economy**
- **Economic theories are partial maps of economic reality**
- **All economic theories are limited in time, space and purpose**
- **No economic theory is possible to be absolute in any time and any space**

Irreversibility of Economic Processes

- **Economic processes are basically irreversible**
- **Economy is dynamic organism not a static sort of machine**
 - **Economy is transformed through the processes of Creative Destruction**
- **Creative Destruction is permanent process of destruction and renovation of economic equilibrium every time on new level**

Entropy as Fundamental Concept of Economic Theory

- **Entropy is fundamental concept of economic theory enabling view of economy as sybsystem of Nature and Universe**
- **Entropy has relationship to whole economy instead of concept uncertainty with relationship only to decision process and management**

Information as In-Formational and Structure Creating Factor

- **Information is in-formational and structure creating factor, which is creating a new structure of economy, society and civilization – information society**
 - **Information is new productive factor**
 - **Information is new form of capital**
 - **Information is new form of resource**

Information Theory of Value

- **Economic value is creating by information**
 - **Economic value is adding by information**
- **Economic profit is generating by incorporating more information into products and services**
- **Generating of information is disequilibrium creating process**
- **Diffusion of information is equilibrium renewing process**
- **Networking process is based on better access to information therefore more networks means greater value and more profits**

Economy as Dissipative Structure

- **Economy is dissipative structure**
 - **Economy is dissipating energy**
 - **Economy is dissipating materials**
 - **Economy is dissipating capital**
 - **Economy is dissipating information**
- **Developed markets are enabling the dissipation of all economic productive factors**

Economic Productive Factors as Civilization Attractors

- **Industrial Age Civilization Attractors**

- Land
- Work
- Capital

- **Information Age Civilization Attractors**

- Information
- Knowledge
- Attention

Economic Productive Factors as Civilization Attractors

- **Economic and civilization transformation is process of change of civilization attractors**
- **Economy and civilization are restructuring around new civilization attractors in the form of economic productive factors**
- **Platform-centric organization of civilization is substituted by network-centric organization**

Basic Structure of Economy

- **Industrial Age
Structure of
Economy**
- **Information Age
Structure of
Economy**
- **Platform-Centric
Organization**
- **Network-Centric
Organization**

Renewing the Original Significance of Economy as Householding

- **Emerging global economy and globalization processes are the challenge and chance for renewing the original significance of global economy as global householding and economics as the science about householding**



- **Thank You for Your Attention !**