

INNER DIMENSIONS OF SUSTAINABILITY



**Core values for
sustainable development**

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INNER DIMENSION

Our actions are at the end of a long
pre-processing line

Consciousness-Attitude-Vision-Mood-Action

‘Thought’ is the operator in the inner dimension

AIMS

- Highlight the importance of value-empowerment in individuals for sustainable development
- Identify key values for development of a 'sustainable personality'

The background of the slide features a vibrant green field of grass with numerous water droplets on the blades, set against a clear blue sky filled with soft, white bubbles. The overall aesthetic is clean, fresh, and natural, symbolizing environmental health and sustainability.

WHAT IS SUSTAINABLE DEVELOPMENT?

“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

SUSTAINABLE DEVELOPMENT CONCEPTS

- Concept of needs
 - Essential needs of the world's poor
- Idea of limitations
 - Imposed by technology and social organisation on environment's ability to meet present and future needs
- Views the world as a system
 - A system that connects space
 - A system that connects over time
- Quality of life is also a system:
 - Health, wealth, education, environment etc. are all interrelated.

SYSTEMIC VISION

Systemic thinking is the process of understanding how things influence one another within a whole

Focus on the whole, not on the parts

Humanity as one family interconnected by bonds of love/mutual appreciation

HISTORICAL FACTS

- **1800-1870: First Industrial Revolution – coal and railroads increase greenhouse emission. Level of carbon dioxide in atmosphere is about 290 ppm;**
- **1859: Tyndall discovers that changes in concentration of some gases could bring climate change;**
- **1870-1910: Second Industrial Revolution – Fertilizers and other chemicals, electricity etc. further accelerate growth;**
- **1930s: Global warming trend since late 19th century reported;**
- **1950s Roger Revelle and other scientists realized that the level of carbon dioxide in the atmosphere might be rising. Revelle publicly speculated that in the 21st century greenhouse effect might exert ‘a violent effect on earth’s climate.’**
- **1960: Level of carbon dioxide measured at 315 ppm;**
- **1971: Conference of leading scientists reports danger of rapid and serious global climate change caused by humans;**
- **1981: Scientists predict that greenhouse warming ‘signal’ should be visible by about the year 2000;**
- **1988: Level of carbon dioxide reaches 350 ppm;**
- **1990: First IPCC report says world has been warming and future warming seems likely.**

DEDUCTIONS FROM HISTORY OF CLIMATE CHANGE

- Scientific authorities have been predicting the detrimental consequences of global warming as a result of human interaction with the environment since **about 50 years ago**;
- Basic principle of 'safety first' has not been applied.
- Humanity as a whole has been rendered 'blind' on this decisive issue.

BY WHAT?

HUMAN GREED
SELFISH MOTIVES

RESILIENCE & SUSTAINABLE DEVELOPMENT

Resilience for social-ecological systems is related to the magnitude of shock that the system can absorb and remain within a given state

Resilience is necessary to build adaptive capacity

VALUES FOR SUSTAINABILITY

- Serenity
 - good emotional intelligence
- Economy
 - essential for adaptation
- Cooperation
 - comes from systemic vision
- Responsibility
 - caring attitude
- Positivity
 - improves resilience, creates hope



THANK YOU

