



Modern RISC-Societies: Towards a New Paradigm for Societal Evolution

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On RISC-Societies

- What are RISC-societies?

RISC-societies can be described as an ensemble (collection) of underlying RISC-mechanisms and their RISC-processes

- What are RISC-processes?

RISC-processes exhibit a special distribution with a very large number of minor or marginal events and a very small number of very large („extreme“) events

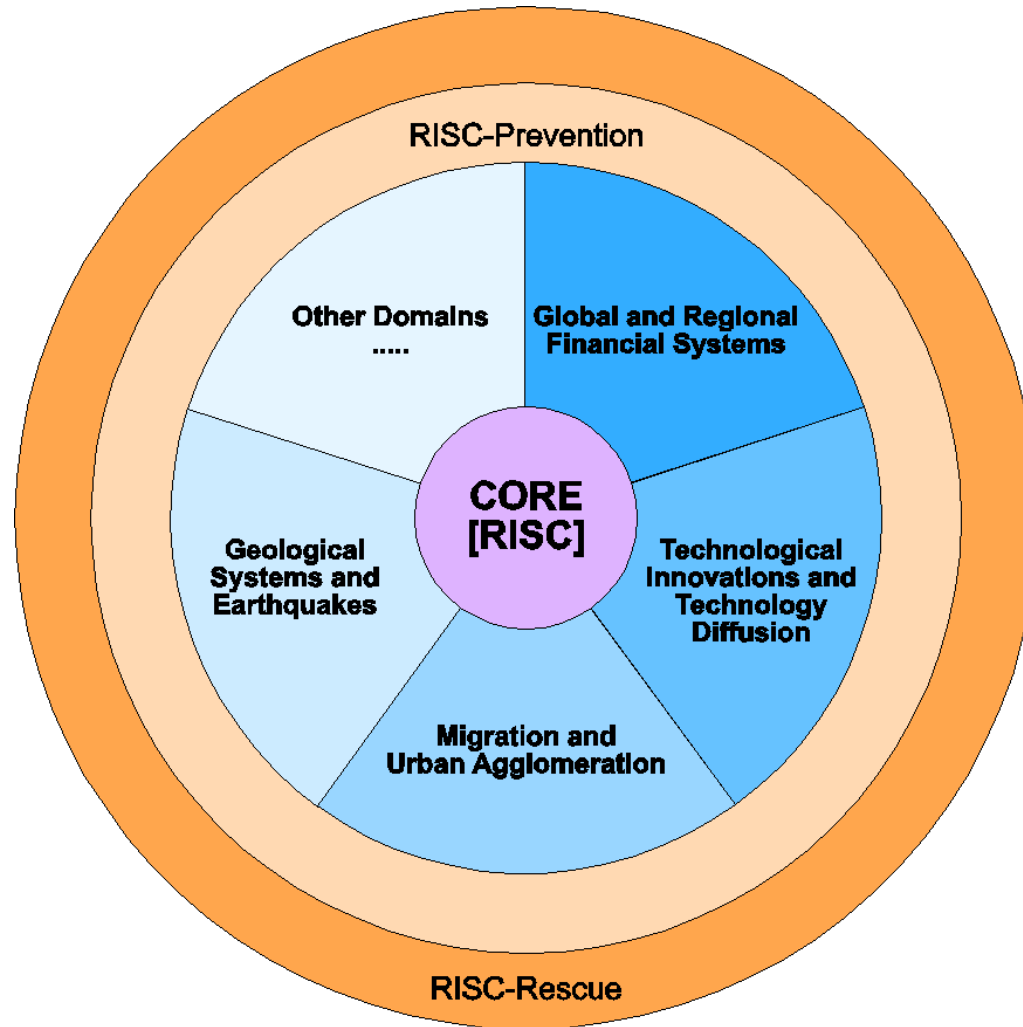


Examples of RISC-Processes

- Sandpile-Paradigm (Avalanches), Earthquakes, Solar Flares, etc.
- Viruses and Epidemics, Ecological Systems, Forest Fires, The Brain, Cell-Metabolism, etc.
- Language (Distribution of words, letters, etc.)
- Scientific Quotations, Scientific Breakthroughs (Institutes), Innovations, Financial Markets, Wealth and Income, Migration and Settlement, Technological Accidents, etc.



Organization of the RISC-Program at the University of Ljubljana



Modern RISC-Societies: The Three Evolutionary Stages

➤ Stage I (prior to 1400)

Societies under the Dominance of Environmental RISC-Processes

$RISC_{ENV} \rightarrow Societies$

➤ Stage II (1400 – 1950)

Societies with RISC-Processes in the Centre of Societies and a Collection of Independent Environmental RISC-Processes


➤ Stage III (from the 1950s onwards)

Coupling between Societal and Environmental RISC-

Processes: $RISC_{ENV} \leftrightarrow RISC_{SOC}$



The Main Parts of the Book

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- Part I: Overview of the Evolutionary RISC-Paradigm
 - Part II: RISC-Modeling and RISC-Theory
 - Part III: RISC-Applications
 - Part IV: RISC-Prevention and Damage Control
 - Part V: Inter- and Transdisciplinary Forms of Science

