

Creativity and the New Structure of Science

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Abstract

A qualitatively new, much more liberal and efficient organisation of science is proposed and justified in connection with emerging international science structures, such as the European Research Council, and growing debates about further role and development of fundamental science. Although the ideas are expressed in terms of "common sense" arguments accessible to a "general" audience, they are based on the rigorous analysis within the recently advanced "universal concept of complexity", which can be applied, due to its universality, also to science structure itself considered as a complex system. We demonstrate thus the application of this ultimate criterion of completeness of a system of knowledge (and viability of related intelligence) that should be able to derive consistent, provable, and practically relevant conclusions about its own purpose, sense, evolution, and current state.

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