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Support for the « Institut de Convergence » project named TICSS - Toulouse Institute for Complex Systems - presented by Toulouse University



Le Président

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To whom it may concern

The *TOULOUSE INSTITUTE FOR COMPLEX SYSTEMS STUDIES (TICSS)* ambitions to become an interdisciplinary centre for research and education dedicated to the study of complex systems (biological, social, environmental and technological). Complex systems are composed of a great number of interacting constituents characterized by feedback, cascading, and non-linear dynamics. Seeking to understand them implies promoting interactions between data analysis and modeling disciplines (mathematics, physics, computing) and those of applications-related fields which rely on their own concepts and tools (biology, sociology, ecology, urban planning, energy...). This is truly at the very heart of the sciences of complexity. There exists a major challenge of innovation and development of breakthrough research that requires development of new synergies, as much between disciplines as between research and formation. The aim of the project is to build a comprehensive and coordinated action that will promote the convergence of our better forces.

This proposal builds on identified and well-recognized strengths of the Toulouse University site, for both research and teaching, under the leadership of Bertrand Jouve, Directeur de recherche at the CNRS. It involves highly visible researchers and professors from the University or CNRS, at all stages of their career and gathers a multidisciplinary ensemble that encompasses Humanities and Social sciences, Mathematics and Information sciences and Health Sciences, thus covering a broad panel of competences that are already put to work in several Labex projects, and numerous research units.

As one of the major partners of research and education in the Toulouse University, CNRS strongly supports this project and will put to work all necessary actions to ensure its success.

A handwritten signature in black ink, appearing to read 'A. Fuchs'.

Alain Fuchs

President of CNRS