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Cristina Marras is Director of research at the Institute for European Intellectual Lexicon and History of Ideas (ILIESI) of the Italian National Research Council (CNR), she is a G. Wilhelm Leibniz's specialist, she has been working for more than two decades on research management, and digital research infrastructure for humanities and in particular for philosophy, focusing on modeling of philosophical and scientific concepts. She couples her research in philosophy, philosophy of language and digital humanities with activities to enhance the interdisciplinary dialogue through the exploration of different languages, technologies and concepts that favor the sharing of research methods, practices and results across disciplines.

She is responsible of the ILIESI research area "Digital systems to support knowledge: Open Access, Digital Libraries, Digital Preservation", and of the projects: "Digital infrastructure and tools for humanities and history of ideas", and "Modelling of concepts, markup and metadata". She participates in the activities of the ICDI Competence Center, Italian Computing and Data Infrastructure of the GARR consortium and she represents CNR in the Italian Join Research Initiative of the research infrastructure OPERAS.

She lectured and published on (digital) philosophy, interdisciplinarity, and humanities computing; she has organised multidisciplinary conferences, workshops and training courses and she promotes and organizes public engagement and citizen science activities with interdisciplinary approaches, with particular attention on the dialogue between humanities and STEM.

List of publication:

<https://publications.cnr.it/authors/cristina.marras>

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(Room 3)

TEAMS: y02x93p

Toward a scientific lexicon as an interdisciplinary bridge between the "two culture"

Abstract

The seminar discusses the dialogue between the humanities and STEM sciences with a particular focus on the encounter between philosophy and chemical-physics. One of the main objectives is to see whether it is possible to build interdisciplinary working models that foster the sharing and growth of knowledge. In particular, it will explore possibilities for a new interdisciplinary language spanning the humanities, cultural studies and the sciences, and developing a model of research and learning strategies in which the technical-scientific vocabulary is central to an more inclusive and innovative epistemological perception and description of processes.

Crossing disciplinary boundaries is very complex, requiring a continuous effort of translation from one "language to another", a translation between different cultures and different worldviews.

What is proposed is a pragmatic perspective of analysis that looks, in particular, at the use of language and its intrinsic possibilities of dialogue across disciplines. Polysemy and metaphors, for example, have in fact come to our aid, enabling us to converge on some common conceptual models for reflecting, organising and transmitting knowledge, thanks to the intrinsic relationship between metaphors and the concepts traditionally conveyed in the history of ideas. The perspective is to overcome the concept of *two cultures*, i.e. the opposition between the humanities and the exact sciences, through the description of some positive cross- and multi-disciplinary research experiences in the non-conventional and innovative exercise of dialogue and mutual exchange (as for example the exhibition "4.400 km: suolo e sottosuolo. Sud chiama Nord).