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Gilles Dowek* (gilles.dowek@ens-paris-saclay.fr). *Logipedia: towards a Wikipedia of formal proofs.*

Formal computerized proofs are now a central tool in computer science and in mathematics. But, each system – Coq, HOL Light, Isabelle/HOL, PVS... – implements its own language and its own theory, limiting the interoperability between systems and the sustainability of these proofs. Logipedia is an, in progress, encyclopedia of formal proofs, expressed in various theories. It is based on the idea to express these theories in a new logical framework allowing bound variables, explicit proof-terms, computation rules, and peaceful co-existence of constructive and non constructive proofs. (Received September 11, 2019)