

Brazilian Biosafety System favors Bio-innovation

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Abstract

The world faces several challenges, such as food insecurity, global warming, mass vaccination, the need for healthy food, cost and value of new medicines, the need for more sustainable fuel sources and industrial processes and many other critical issues, that only Science can generate lasting and sustainable alternatives for human and animal health and the environment. Bio-innovation can make a substantial contribution, with the implementation and scientifically informed regulation, preserving the environment. GMOs are extensively studied and evaluated around the world to make sure they are safe for humans, animals, plants and the environment before they reach the market. In Brazil, the Biosafety System is governed by the CNBS - National Biosafety Council, CTNBio - National Biosafety Technical Commission, CIBio - Internal Biosafety Commission and OERF - Registration and Inspection Bodies and Entities. CTNBio is the multidisciplinary body responsible for establishing technical safety standards on GMOs and derivatives. CTNBio's technical opinion on the biosafety of GMOs is binding, which means that the other bodies, for example, those responsible for registration and inspection, must accept the technical decision on biosafety and act in their respective areas such as health, health surveillance, agriculture, livestock and the environment within the limits of their legal responsibilities and powers. However, the system is not static, on the contrary, it has a dynamic monitoring of the evolution of science and factual reality, because in the face of new scientific knowledge or based on new facts that are relevant to the biosafety of GMOs and derivatives, CTNBio will reassess its technical decisions at the request of its members or on appeal by registration and inspection bodies and entities. In this way, the Brazilian Biosafety system follows the innovations of Biotechnology, always keeping the population informed.

Key words: GMO regulation, risk analysis, sustainability