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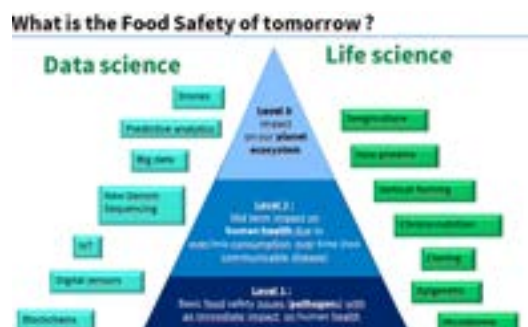
## How innovations (blockchains, NGS, drones, etc) will revolution the food safety audits of tomorrow

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**W**ith the population set to reach 8.5bn by 2030, food organizations are exploring new technologies to ensure safe and sustainable supply chains. Lack of offer could not only spark strong social tensions across the world but could result in corruption and spiraling costs. To meet client requirements for safe food, food industry will have to blend conventional assessment with digital monitoring and audit solutions that will enable the delivery of real-time assurance and insight, but also researching alternative food sources to feed the expanding population. The food supply chain is very fragmented meaning that the risk associated with the supply chain is traditionally high. Logistics and costs efficiency are currently very limited due to this lack of transparency. In addition, there is ultimately a strong risk to completely disconnect people from a food system that is already contributing to some of the most worrying issues of our world (global warming, NCD, biodiversity, soil depletion, waters scarcity, social issues, etc.). Our current audit system is outdated and inefficient. Improved resilience for safety in the food supply chain implies flexibility and the establishment of more collaborative relationships based on a far greater transparency of information relying on new technologies. New IT tools and platforms, notably the emergence of block chain and other disruptive

innovations mean that collaborative working is becoming possible and that a new paradigm is to be built for food audits. Today's consumers are savvy; they know that their decisions have a direct impact on their health, their society, the planet – both tomorrow and in the future. They are the drivers of this change. The presentation will explore block chains, NGS, drones, remote audits, and others to look at how the recent innovation in data and life science will converge to revolution the food safety system of tomorrow in order to bring safe & sustainable food to everyone.



# Food Safety And Regulatory Measures

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## Recent Publications

1. **Lloyd's Register Foundation Foresight Review on Distributed Ledgers technologies, 2016.**
2. **Lloyd's Register Foundation Foresight Review on Resilience Engineering, 2016.**
3. **Lloyd's Register Foundation Foresight Review on Food Safety (ongoing, 2019).**

## Biography

Vincent Doumeizel has completed his Degree in economics, and he worked for the French government in Africa on a number of agriculture projects; he also carried out humanitarian work in the Middle East and Africa. He later

joined Lloyd's Register in 2014, as Vice President for Food & Sustainability at group level serving over 100+ countries and tens of thousands clients with verification & assessment solutions. He also supports actively the charitable objectives of the Lloyd's Register Foundation (LRF), notably through the identification and funding of innovative projects to mitigate food insecurity and drive sustainability in the food supply chain. He is also a Member of various Advisory Boards for food universities research projects as well as disruptive food tech start-ups all over Europe. He contributed to the latest LR Foundation Foresight Reviews of Block chain as well as Resilience Engineering and is a regular speaker at some of the world's leading events including COP (United Nations), OECD and the Global Food Safety Conference.

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