

Delivering an Effective, Resilient and Sustainable EU-China Food Safety Partnership

Taking the Risk out of Risk Communication 降低 '风险交流' 失败的风险

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Two of the elements of Risk Analysis, Risk Assessment and Risk Management, are benefiting hugely from improved methodologies, more sensitive analytical capabilities, rapid diagnostics, bioinformatics, process interventions, stricter regulations, more robust enforcement, enhanced surveillance and early warning systems and greater international collaboration.

风险分析的前两个方面——风险评估和风险管理都正受益于技术的进步, 比如更灵敏的分析技术、快速诊断、生物信息学、过程干预、更严苛的法规、更有力的法规实施、有效的监控和快速预警系统, 以及更广泛的国际合作。

However the third element, Risk Communication, still remains challenging and hasn't maximized the progress to be gained from the transformation occurring in the communication landscape.

风险分析的第三个方面——风险沟通, 仍面对巨大挑战, 还没有完全跟上媒体结构变化的步伐(比如社交媒体和自媒体的蓬勃发展)。



One of the difficulties in Food Safety is communication of the issues to the public without undermining consumer confidence in:

食品安全的一个难点是在不损害消费者信心的 情况下和公众沟通问题:

1.The safety of the food supply 食品供应链的安全性

- 2. The ability of the regulatory agencies to police the food chain 监**管机构监管食物链的能力**
- 3. The commitment of the food industry to produce safe food 食品工业致力于生产安全食品



The word Risk in most languages generates fear and anxiety amongst consumers:

大多数语言中的"风险"一词都会在消费者中引起恐惧和

焦虑:

Risk is deemed a bad thing

风险被认为是一件坏事





Currently in many jurisdictions; "Risk" Communication is seen to be:

目前在许多司法管辖区,"风险"沟通被视为:

1.undermining consumer confidence

破坏消费者信心

2.making consumers more anxious about food

3.

让**消**费者对**食物更加焦**虑

3.making consumers increasingly angry with the authorities for not resolving the situation

让消费者越来越不满意当局,觉得他们没有解决问题



Communication is a two-way process yet the food safety professionals regularly label oneway dissemination of information as

沟通应该是 双向的, 然 而食品安全 从业人士经 常把单向的 信息传播称 为沟通。



Much exciting innovative research outputs in the food area will never realize their full potential without consumer acceptability

如果没有消费者认可,很多让人兴奋的食品科技创新都难以实现潜在价值

- ·GMOs 转基因技术
- •Gene editing 基因编辑技术
- •Nanotechnology 纳米技术
- •Lab-grown meat 人造肉









Could we make new science exciting? 我们能让新科学变得令人兴奋吗?











We are trialing using the digital media to engage with consumers to monitor their views which will be much faster than face to face or postal questionnaires

我们正在尝试**使用新媒体来与消**费者互动,来了解他们的看法,这比面对面或邮寄问卷都要快得多。





China has entered the 'smart media' era 中国已经进入'智媒体'时代



Traditional media **传统媒体**→ new media **新媒体** → smart media **智媒体**

- Robots write quick news, artificial intelligence (AI) based TV hosts
- · 机器人短新闻写作, 两会期间全球首个 "AI合成主播"
- Personalized messaging, information tailored to each individual's preference 根据用户偏好的定制化信息推送









In collaboration with 5 research institutions, CFSA and UCD initiated 8 studies: how to increase consumer confidence in food safety in the era of smart media

CFSA, UCD 和中国及欧洲的5家院校合作, 开启了8项研究: 在智媒体形式下, 如何提高消费者食品安全的信心

















Study 1: Understanding stakeholders' communication needs in relation to the establishment of consumer confidence (ongoing)

研究1: 了解在建立消费者食安信心方面, 各方的信息沟通需求 (进行中)

Interviews with consumers, food regulators, and people from the food industry

采访消费者. 食品监管者及食品企业相关人员







Study 2: Consumer infant formula survey

研究2: 关于婴幼儿奶粉的消费者调查







和婴幼儿疾病相关的负面报道往往会造成长久的不良影响



这是一张悉尼机场面向中国旅客的奶粉免税店的图片

消费者对中国婴幼儿奶粉的信心至今还没有摆脱2008年三聚氰胺事件的影响





产品从13个欧盟成员国和欧盟以外的54个国家召回







Product was withdrawn from 13 EU Member States and 54 countries outside the EU



2016年美国食品药品监督管理局(FDA)召回了Valley Milk LLC公司 1800吨的奶粉,因为FDA在厂房和产品中都发现了沙门氏菌。



In 2016 in the US the FDA initiated a recall of 1,800 tons of milk powders produced at a Valley Milk LLC facility in the USA after the identification of *Salmonella meleagridis* in the factory environment and in product.



Study 2: Consumer infant formula survey

研究2: 关于婴幼儿奶粉的消费者调查

We found mothers' confidence in and satisfaction with imported vs. domestically produced infant formula were not that much different any more

我们发现, 妈妈们对**国产奶粉和**进口**奶粉的信心及**满意度差异已 经不大了







Study 3: A comprehensive survey on public's food safety perception and their views on food traceability (data collected).

研究3:公众食品安全感知,及对食品追溯看法的调查(数据收集完毕)







Study 4: Moving from food risk communication to food information communication (published)

研究4: 从狭义的食品风险交流 扩展到 广义的食品信息交流(已发表)

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PERSPECTIVE OPE

Moving from risk communication to food information communication and consumer engagement

Patrick G. Wall¹ and Junshi Chen²

Consumers in most developed countries have greater access to safer food than ever before, yet the issue of consumer perception on the safety of the food supply, the control infrastructure and existing and new process technologies is often not positive. A series of high profile food incidents, which have been ineffectively managed by both the regulators and the industry, and where there has been a failure to be open and transparent, have sensitised a proportion of consumers to scary stories about the food supply. There has been concomitant damage to consumer confidence in (i) the safety of food, (ii) the food industry's commitment to producing safe food and (iii) the authorities' ability to oversee the food chain. Threats to consumers' health and their genuine concerns have to be addressed with effective risk management and the protection of public health has to be paramount. Dealing with incorrect fears and misperceptions of risk has also to be addressed but achieving this is very difficult. The competencies of social scientists are needed to assist in gaining insights into consumer perceptions of risk, consumer behaviour and the determinants of trust. Conventional risk communication will not succeed on its own and more innovative and creative communication strategies are needed to engage with consumers using all available media channels in an open and transparent way. The digital media affords the opportunity to revolutionise engagement with consumers on food safety and nutrition-related issues.

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INTRODUCTION

The public health consequences of contaminated food cannot be underestimated and foodborne diseases are an important cause of morbidity and mortality globally. Food safety cannot be taken for granted and when things go wrong people get ill and some will die. There is no shortage of high profile serious outbreaks to keep a proportion of consumers anxious about food safety. An outbreak of *Listeria monocytogenes* in 2017 and 2018 in South Africa, linked

safety infrastructure. Many have introduced stronger food legislation with a greater emphasis on independent risk assessment, robust risk management, and open and transparent risk communication. Greater emphasis has been placed on the responsibility of the industry stakeholders, at all stages of the food chain, to produce safe food. The Food Safety Modernisation Act was enacted in the US in 2011 and the Safe Food for Canadians Act was introduced in 2012 and is being updated in 2018. The FU introduced radical reforms in response to the RSE

Nature Partner Journal

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意品点点交流涉及广泛的主题,包括

- ii) 政府正在加强努力和措施, 以改进食品监测系统并确保合规;
- iii)食品行业为提高食品质量和安全所做的努力;
- iv)食品的健康益处;
- v)健康饮食以及如何避免健康损害和不健康饮食引起的疾病;
- vi)如何在商业厨房和家中妥善处理和烹饪食物,以避免食源性疾病。
- vii)食品中的潜在风险和危害
- viii) 在污染事件, 食物中毒爆发和召回期间及时交流信息

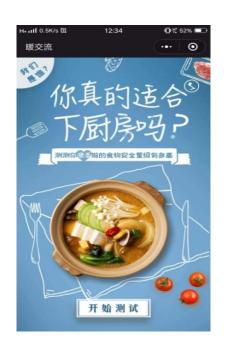


Study 5: The potential of digital marketing communication technologies in food safety communication

研究5: 数码营销技术在食品安全信息沟通方面的应用价值

一篇综述文章以及在审 An paper under review Quiz based WeChat mini-program Are you ready for cooking? 食安测试微信小程序 WeChat-based mini game – 'Secret behind foods' **食安科普微信小游** 戏









27 27

Study 6: Developing communication strategies based on the psychological characteristics of Chinese consumers

研究6: 基于中国民众的认知特征设计交流策略

Taking account into Chinese consumers' psychological and cognitive characteristics when designing the communication strategy

基于民众的认知规律设计交流策略,包括情绪应对优先,关注点一致等

改成で変換率 2019・1 政府管理创新



我国食品安全保障体系的 新痛点及治理策略

陈 思 罗云波 李 宁 吴永宁 吴广枫

[精 要]食品安全具有客观食品安全和主观食品安全两个层面。要真正解决食品安全问题,让民众故心、仅仅保障客观食品安全是不够的。当前我国客观食品安全的提升难以转化为主观食品安全的问题实出,已经成为食品安全保障体系的新编点。需要改变理念,将主观食品安全作为食品安全治理的最终落脚点;改变策略,加强风险交流学料建设,强化公众风险感知研究,为有效交流提供技术支持;改变模式,针对受众的感性系统设计交流策略,进而促进受众理性认知系统的启动。

|关键调] 主观食品安全; 客观食品安全; 食品安全信心与信任; 风险交流

|中国分类号] D63

[文献标识码] A



The real exciting opportunity is to use the mobile devices to seek consumer's views and then in real time give them back customised accurate information tailored for their age, gender and educational status 真正令人兴奋的机会是使用手机移动设备寻求消费者的观点,然后实时为他们提供针对他们的年龄、性别和教育状况量身定制的准确信息



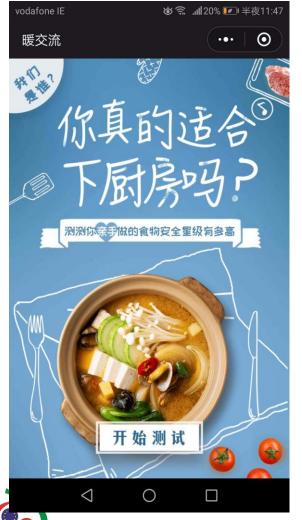






Dr Si Chen has developed an educational app on food preparation

陈**思博士开**发了一个关于食物准备过程的教育应用 程序







Communication is a two-way process and the digital media affords us the opportunity to gain insight into consumers concerns about food safety and tailor our messages to address their needs.

沟通是一个双向的过程,数字媒体使我们有机会深入了解消费者对食品安全的关注,并根据他们的需求定制我们的信息



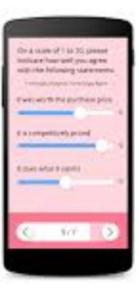














Study 7: An experiment to compare two communication strategies in relation to domestically produced infant formula (ongoing)

研究 7: 实验测试提高消费者对国产奶粉信心的两种交流策略







Study 8: Survey on consumer knowledge and preferences for different types of infant formula products

研究8: 调查消费者对四种奶粉产品的了解程度及偏好

1.Domestic produced infant formula from Chinese cows' milk

国产奶粉(国产奶源)

2.Domestic produced infant formula using imported milk powder 国产奶粉 (进口奶源)

3.Imported infant formula – foreign companies

进口奶粉 (外国企业)

4.Imported infant formula manufactures abroad by Chinese companies

进口奶粉(中国企业境外办厂)

5. Chinese company/brand selling infant formula produced by contract manufactures that are outside China 中国奶粉公司/品牌(售卖境外合同公司 新造的奶粉)





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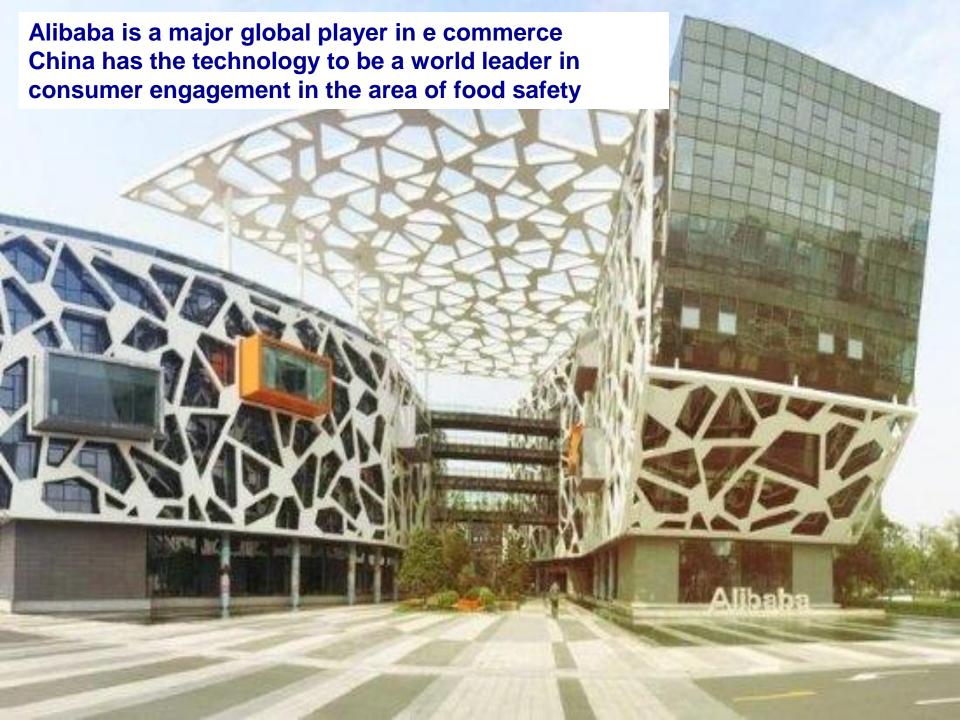


Consumers are seeking evidence that the infant formula is as describe on the tin

One way to educate them if via QR codes linked to virtual tours of the farms and factories







Conclusions 结论

To take the 'risk' out of 'food risk communication': the communication should

- Be based on good understandings of consumer issues
- Take advantages of digital tools, and new media channels that are embraced by consumers

为了降低食品信息交流 效果不佳的风险, 交流策略应该

- · 基于对消费者的充分了解
- · 考虑利用数字媒体技术, 和消费者最常使用的新媒体渠道







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