

The EU-China-Safe Project

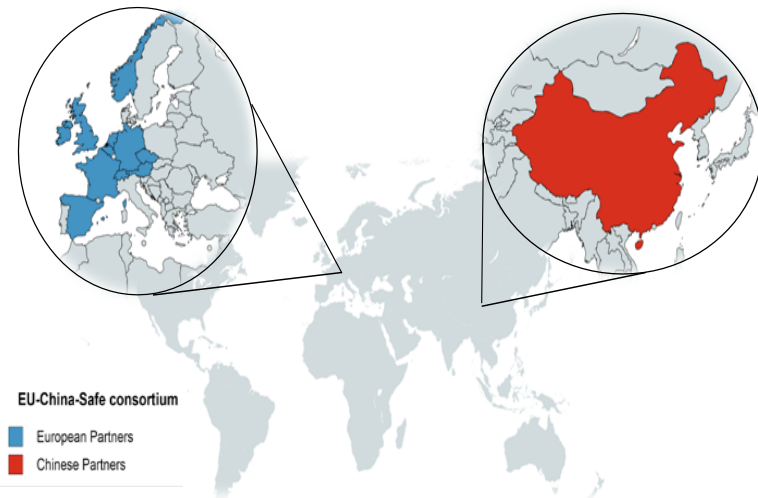
Delivering an Effective, Resilient and Sustainable EU-China
Food Safety Partnership

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EU-China-Safe is a large scale (€11m)
Horizon2020 - MOST funded project

16 EU (11 countries) and 17 China partners
from across academia, industry and
governments.

4 years duration (September 2017 -
August 2021)



Project led by The Institute for Global Food Security,
Queen's University, Belfast by Professor Chris Elliott

and the China National Center for Food Safety Risk
Assessment by Professor Yongning Wu



Bilateral EU-China trade amounted to € 520 billion in 2015 and the aim is for the trade to reach € 700 billion by 2020



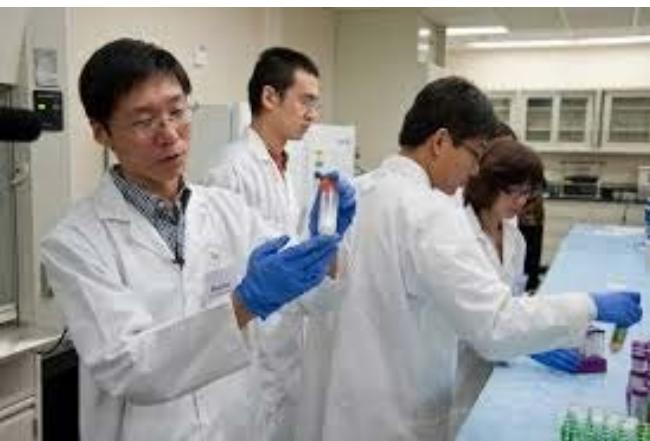
In Europe and China, consumer trust in the food industry and regulatory authorities has been damaged by a large number of accidental and deliberate food contamination and adulteration incidents.



The ability of European Union (EU) companies to export to, and import from China, has been hampered by these safety, traceability, regulatory and fraud issues.



Laboratories in Europe and China are often working to different quality standards and using different analytical methods for producing for certification, which can result in protracted trade disputes



EU-China-Safe understands the five key elements of a food control system as described by the FAO and WHO.

The project will strive to bring about EU - China harmonisation across all of these:

1. Food control management,
2. Food legislation,
3. Food inspection,
4. Food control laboratories,
5. Food safety and quality information, education and communication.

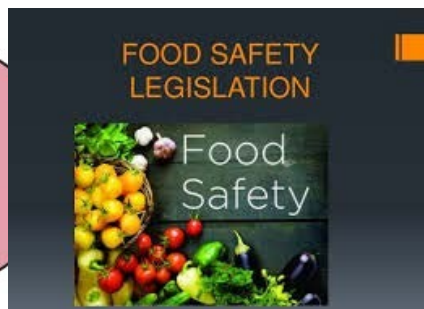


Figure 3: Communication Partners for Risk Assessment/Risk Management

1. The project aims to develop & implement a shared vision of best practice between the EU & China

The key goals are to:

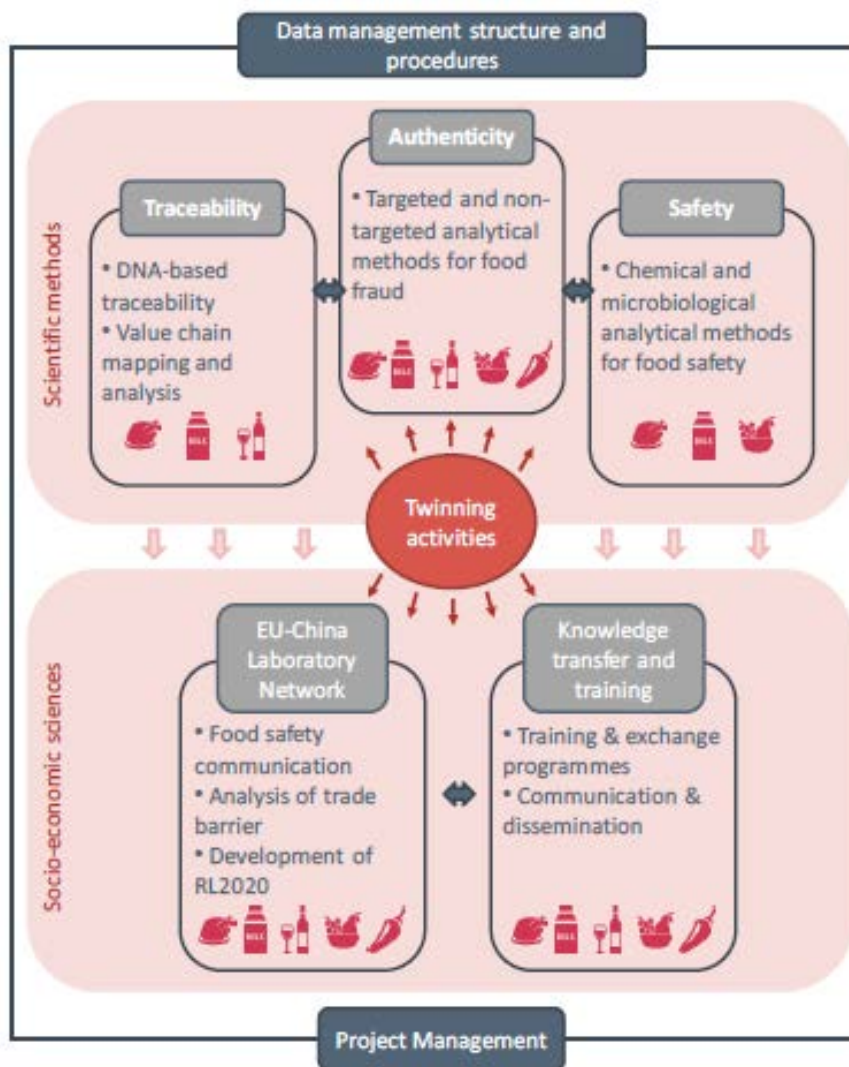
- Enhance food safety,
- Deter food fraud,
- Restore consumer trust,
- Deliver mutual recognition of data and standards and
- Support agri-food trade between the two trading blocks to promote economic growth.



How?



Five Impact focused Work Packages (WPs) supported by Data and Project Management WPs



The 16 EU Partners

Participant Legal Name	Country
THE QUEEN'S UNIVERSITY OF BELFAST	United Kingdom
VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE	Czech Republic
BUNDESINSTITUT FUER RISIKOBEWERTUNG	Germany
NOFIMA AS	Norway
TEAGASC - AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY	Ireland
UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN	Ireland
WAGENINGEN UNIVERSITY	Netherlands
FUNDACION AZTI - AZTI FUNDAZIOA	Spain
JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	Belgium
FERA SCIENCE LIMITED	United Kingdom
Cranswick Country Food plc	United Kingdom
Advanced Research Cryptography Ltd T/A arc-net	United Kingdom
Danone Trading ELN BV	Netherlands
Jochen Kleboth Consulting	Austria
Viavi Solutions Italia srl	Italy
EUROQUALITY SARL	France





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The 17 China Partners

China National Centre for Food Safety Risk Assessment

Chinese Academy of Inspection And Quarantine

Beijing Centre for Disease Control and Prevention

Jiangsu Entry and Exit Inspection and Quarantine Bureau

Shanghai Entry and Exit Inspection and Quarantine Bureau

China Meat Research Centre

National Research Institute of Food & Fermentation Industries

China Agricultural University

Tianjin University of Science and Technology

Institute of Quality and Standard for Agricultural Products, Zhejiang Academy of Agricultural Sciences

Yangtze Delta Region Institute of Tsinghua University Zhejiang

Ningbo Entry and Exit Inspection and Quarantine Bureau

U.S. Pharmacopoeia (China office)

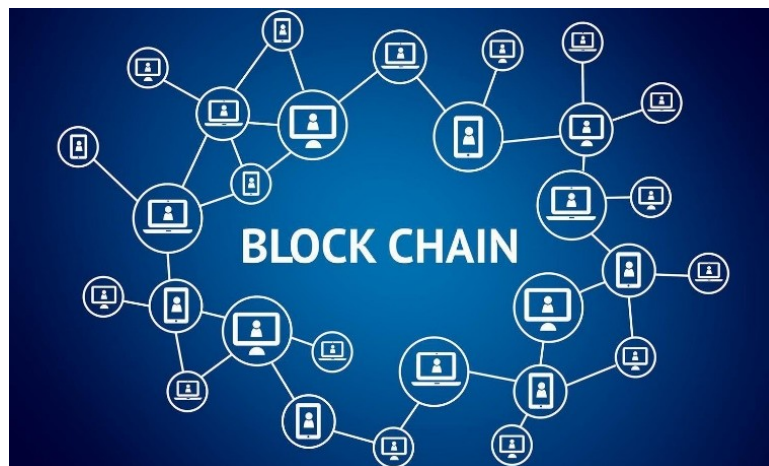
Danone

Nestlé R&D China Ltd

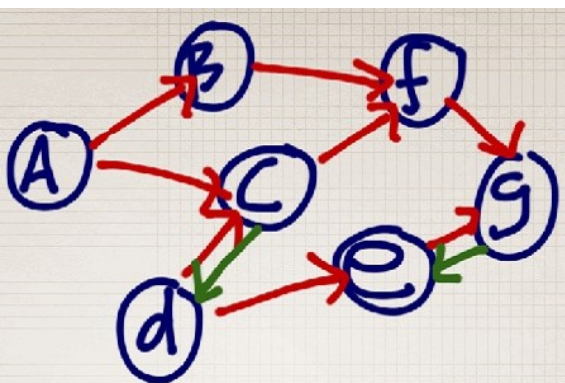
Yili Dairy Group Co

YURUN group

Implementation of innovations in food traceability



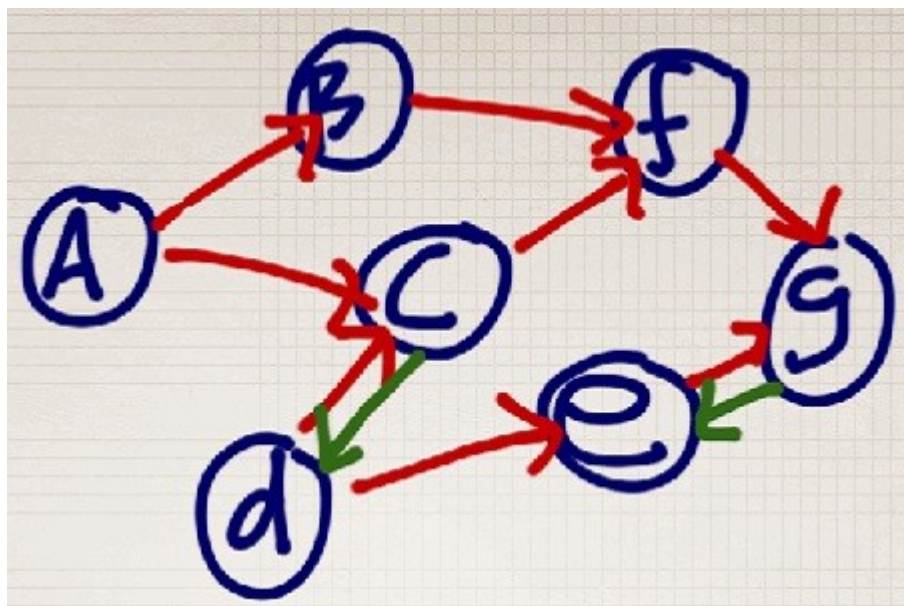
'Development of digitised DNA technology system for traceability in pork and infant formula to establish electronic 'Chains of Custody''



Implementation of innovations in food traceability

Value chain mapping and analysis for EU-China wine chains

Evaluation of data for discrepancies and inconsistencies to identify possible fraud



Combating food fraud

Transfer and implementation of a range of cutting edge fraud detection methods



For a wide range of food and beverages



Implementation of innovations in food safety

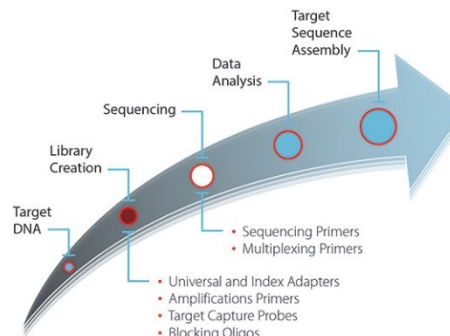
Nitrites and chlorate in milk and dairy powders.....

Veterinary drug and feed additive residues in
foods of animal origin.....

Food contact materials.....

Multi-analyte screening method for pesticide residues in fruits
and vegetables, tea and fruit juices.....

Tracking major microbiological food safety risks across infant formula supply chain.....



Confidence building and trade facilitation

Building consumer confidence - identify communication needs, expectations, perceived barriers and facilitators to building trust and confidence.

identify consumer expectations, attitudes and preferences in terms of food authenticity, integrity and traceability.

Design Risk/benefit consumer communication strategies



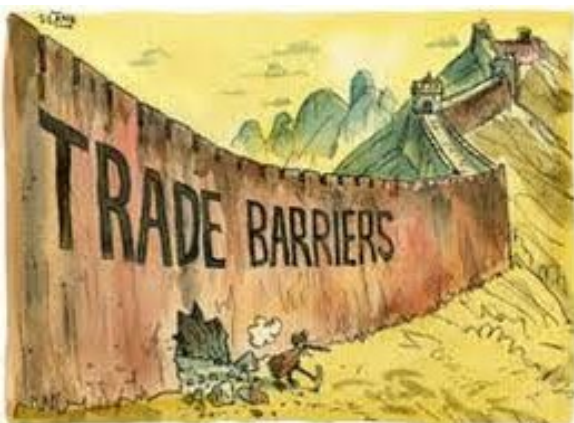
Confidence building and trade facilitation

Analysis of trade barriers

Analyse impediments to trade in food and agri-food products between the EU and China attributed to divergent food standards.

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Development of a standard approach for early identification and mitigation of food trade impediments



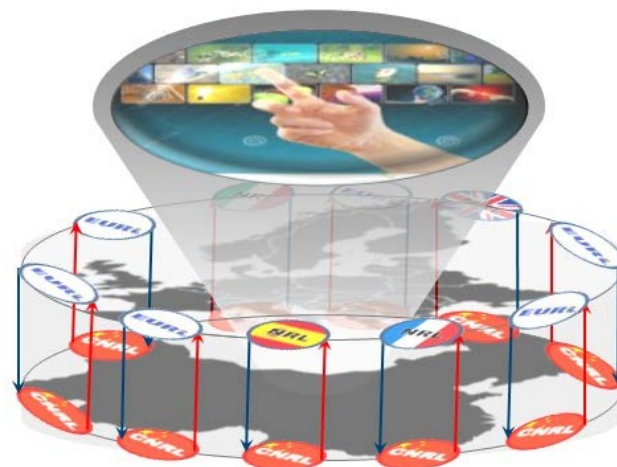
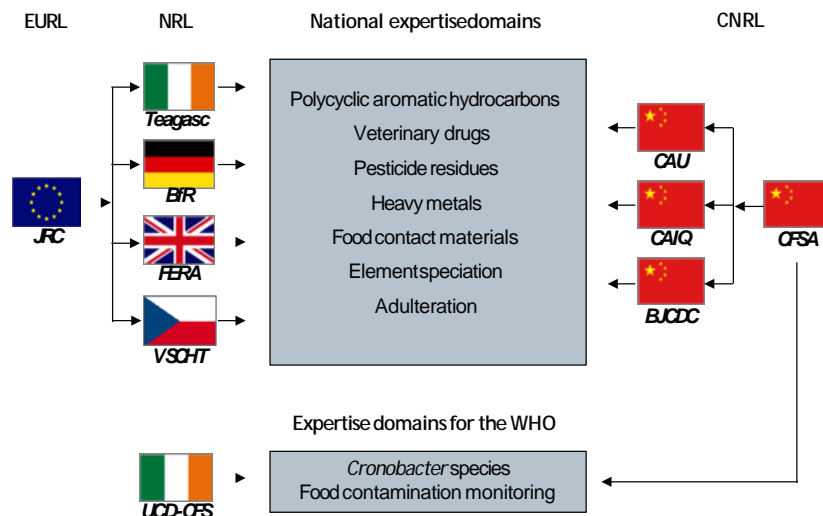
Confidence building and trade facilitation

Development of an EU-China Laboratory Network and planning for contingency response and economic impact analysis following a food incident

Harmonisation of analytical methods and standards

Creation of a virtual reference laboratory

Scenario planning for future food incidents



Dissemination, exploitation & training

WP6 – Dissemination,
exploitation & training

Training
programme



Communication &
dissemination
campaign

Public
bilingual
website

WWW
↗

Comprehensive training programme - young scientist's mobility programme, training events, workshops, seminars, international conferences.

Dissemination- website, newsletters, social networks, scientific journals/books, conferences/events, workshops/open days.



Reporting Period 1: Months 1 - 18

Overall assessment of 1st review:

“Project has fully achieved its objectives and milestones for the period and has been progressing very satisfactorily” .

“This period has been mainly one of laying down the necessary procedures, preparation and planning to fulfil the objectives of the project and the project will likely provide results with significant immediate or potential impact in the next reporting period” .

“The project has also successfully dealt with the cultural, administrative, distance and linguistic challenges presented in developing a working partnership with Chinese counterparts” .



Summary

The trade relationship between the EU and China has never been more important

Delivering safe and authentic food to all our citizens (EU & China) has never been more important

EU-China-Safe; the right project for the right time

www.euchinasafe.eu



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Disclaimer: The content of this presentation does not reflect the official opinion of the European Commission and/or the Chinese government. Responsibility for the information and views expressed therein lies entirely with the author(s).