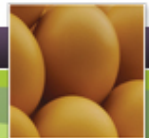


“Contaminants in Food and Feed: Inexpensive detection for Control of Exposure”

- FP7 Collaborative Project
- Volume: 7.5 Mio €
- Duration: May 2008 – April 2012
- 17 partners from 10 countries, representing universities, research institutes, industry and SMEs
- Co-ordinator: RIKILT - Institute of Food Safety



The goals

- Increased food safety through more effective chemical contaminant monitoring
- Excellent screening tools for statutory control and industry
- Simple, fast, inexpensive multiplex assays (multi-analyte multi-class detection), fully validated
- Replacement of expensive, tedious instrumental methods
- Impact demonstration, e.g. European PFC database
- Widespread dissemination of the new methods
- Training workshops: governmental and industrial end-users
- Education and training modules for students



The commodities:

Food

&

Feed

- Fish/shellfish
- Cereals
- Potatoes/vegetables
- Honey
- Eggs
- Meat
- Dairy products

- Fish feed
- Cereal-based feed



The target contaminants

- POPs: - dioxin-like PCBs + metabolites
 - brominated flame retardants
 - polycyclic aromatic hydrocarbons (PAH)
- Perfluorinated compounds (PFOS, PFOA etc.)
- Pesticides: paraquat/diquat, dithiocarbamates
- Veterinary drugs: - coccidiostats
 - multiple antibiotics
- Heavy metals: arsenic species, methyl mercury
- Biotoxins: - alkaloids (pyrrolizidine, tropane, ergot)
 - marine biotoxins (PSP, DSP)
 - mycotoxins (DON, ZEA, T-2/HT-2, FB1, FB2)



The technologies

- Multiplex flow cytometry
- Multiplex SPR biosensor
- Magneto-immunosensor
- Multi-component dipstick assays
- Cytosensor
- Simplified mass spectrometric (MS) methods
- Automated contaminant profiling in MS data



More information:

www.confidence.eu

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(launch october 2008)

e-newsletter

(registration on website)

