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Traceability for Sustainability & Health

Funded by



**This presentation is a synopsis of one source of Contamination in Food -
FURAN in FOOD**

**The purpose of the collaborative Research is to eventually remove this
contaminant from our food**

We first need to understand the Formation & Pathways of Furan in Food
Stages of formation
Differentiation of levels – types of food
Comparison Home Foods v Processed



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This is done by testing a variety of foods including :

- **TYPES OF FOODS**
Processed – packaged – fresh – frozen – cooked (non processed)
- **TYPES & CATEGORIES**
Meat (Red/white) – Fish (Fresh-River-Sea) -
Vegetables – Fruit – Fruit Juices - Pulses –
Beverages – Cereals- Water – Milk - Baby food –
Sauces - Eggs
- **BRAND – ORGANIC – COUNTRY**



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Process to Choose SAMPLES

- **Discuss and Agree on Samples to be tested**
- **Criteria to choose Samples :**
 - Contradicting information**
 - Country**
 - Popularity of foods**
 - Age range - consumers**



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DIETARY EXPOSURE - Overview

- **Demographics - Age range**
- **Types of food – popularity of food**
- **i.e. Coffee – adults - children**
- **Cereals –(?) - Children**



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DISSEMINATION OF INFORMATION - Consumers

- **Need to know basis**
- **Our Ethical Responsibility**
- **Constructive – develop solutions**
- **Interactive website –**
- **Events**



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POTENTIAL HEALTH RISKS

- **Effect on Embryos**
- **Children**
- **Adults**
- **Cognitive impairment**
- **Behavioural**



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DISSEMINATION OF INFORMATION –Regulators

- **Create awareness to those that matter**
- **Regulatory Bodies**
- **Industry - need to change – Self Certify**
- **We Furan Team – create Best Practise**
- **Opportunity – ‘disruptive innovation’**



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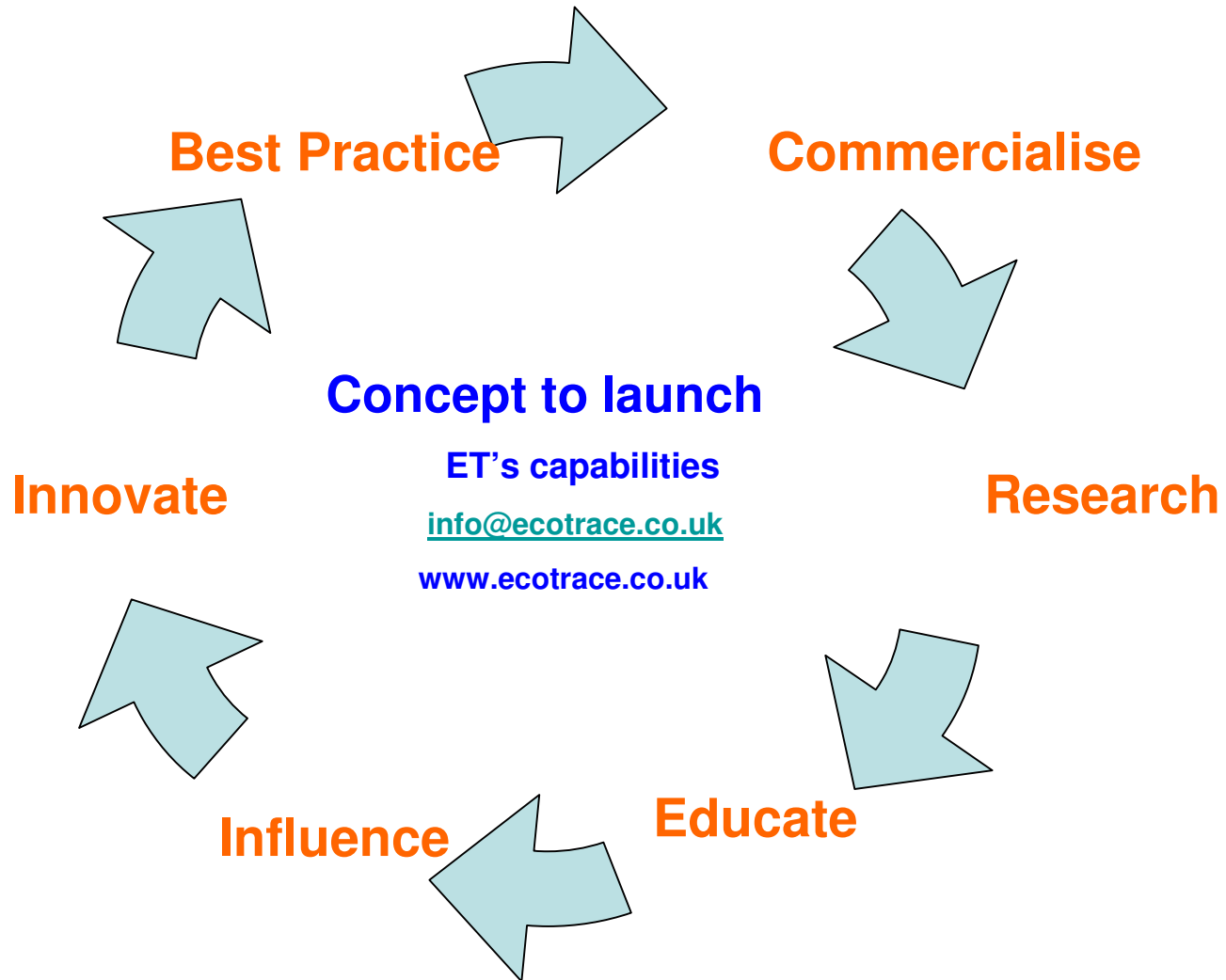
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- ☹️ **Lives are effected. Yours, mine, our Children**
- ☹️ **Irrelevant if we are Shareholders & profit from such practice.**
- 😊 **Urgent action is needed to collaborate with those in the Food Chain.**
- 😊 **Together we can make a difference**



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