

Environmental and Health Risks to be considered in **FOODWEB**

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Effects/risks to be considered

- **Ecotoxicological effects**

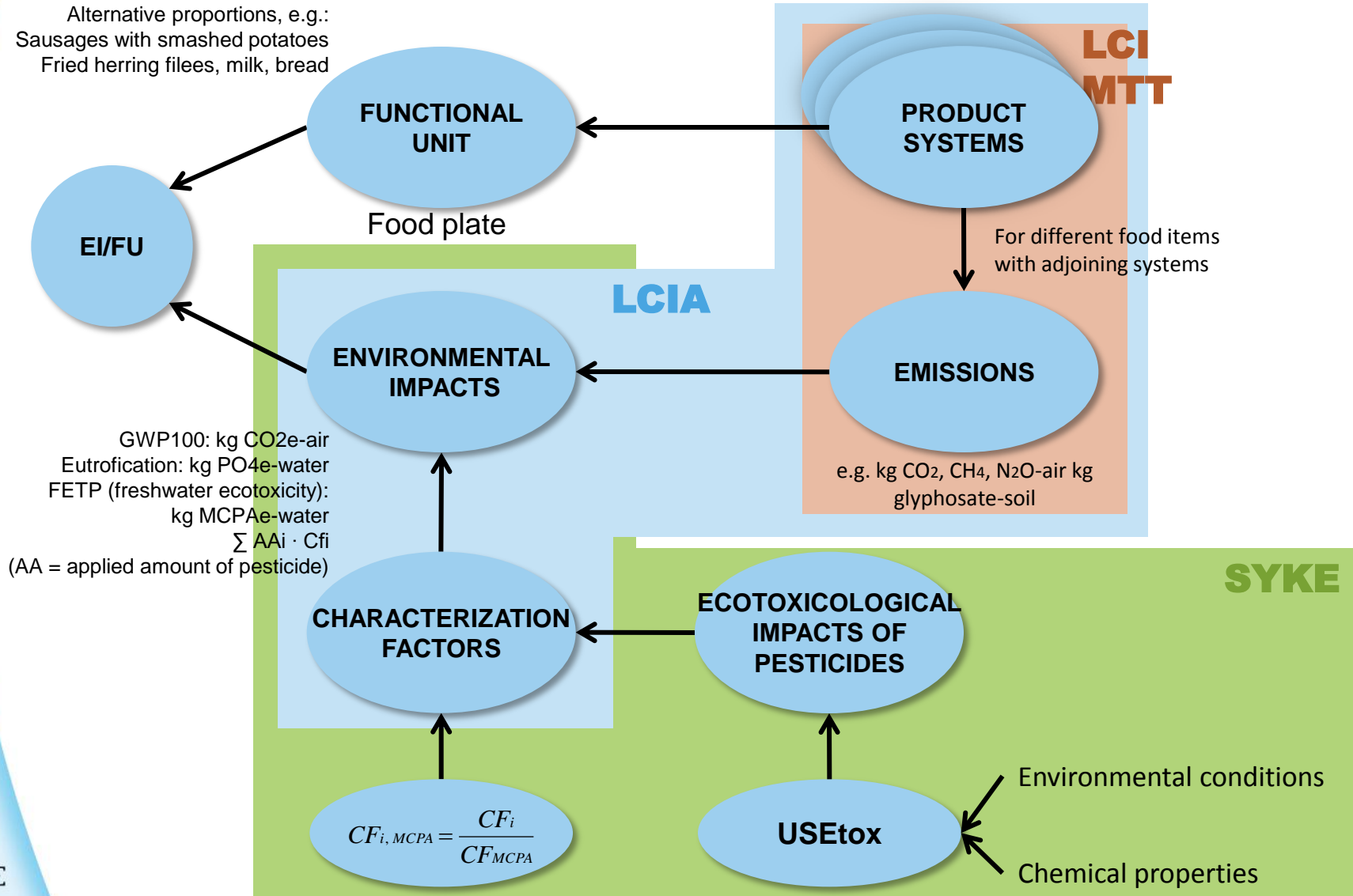
- Pesticide use in food production
 - Within boundaries of programme area
 - USETox model
 - Based on aquatic toxicity (freshwater)

- **Human exposure**

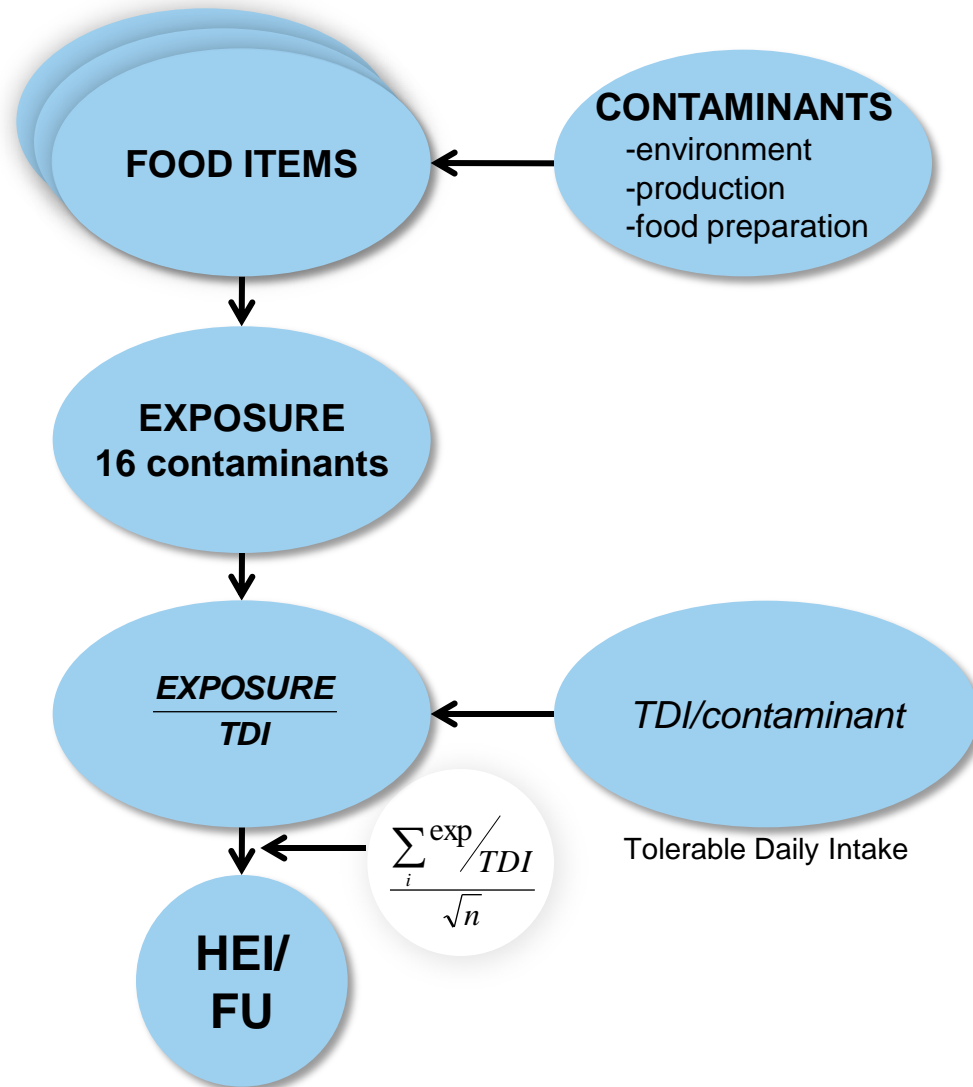
- From food produced within and food imported from outside pr. area
 - Preliminary list of 16 substances/groups
- Originated from the environment
 - Baltic Sea food important
- Originated from food production
 - Agricultural contaminants (e.g. mycotoxins, nitrate)
 - Technical contaminants (food processing)
- We will pay attention to risks/benefits as well

Measuring environmental impacts of food plate

Alternative proportions, e.g.:
Sausages with smashed potatoes
Fried herring filees, milk, bread



Human exposure impact of food plate



HUMAN EXPOSURE IMPACT

List of toxicant exposure

● From environment

- PCDD/F, DL-PCB
- NDL-PCB
- TBT, TPhT
- p-BDE, octaBDE, dekaBDE
- PFOS, PFOA
- Hg, Cd, Pb, As
- (Radioactivity?)

● From food production or processing

- Mycotoxins
- Nitrate
- Glycoalkaloids
- Pesticides
- Acrylamide
- Furans (baby food?)
- PAH