

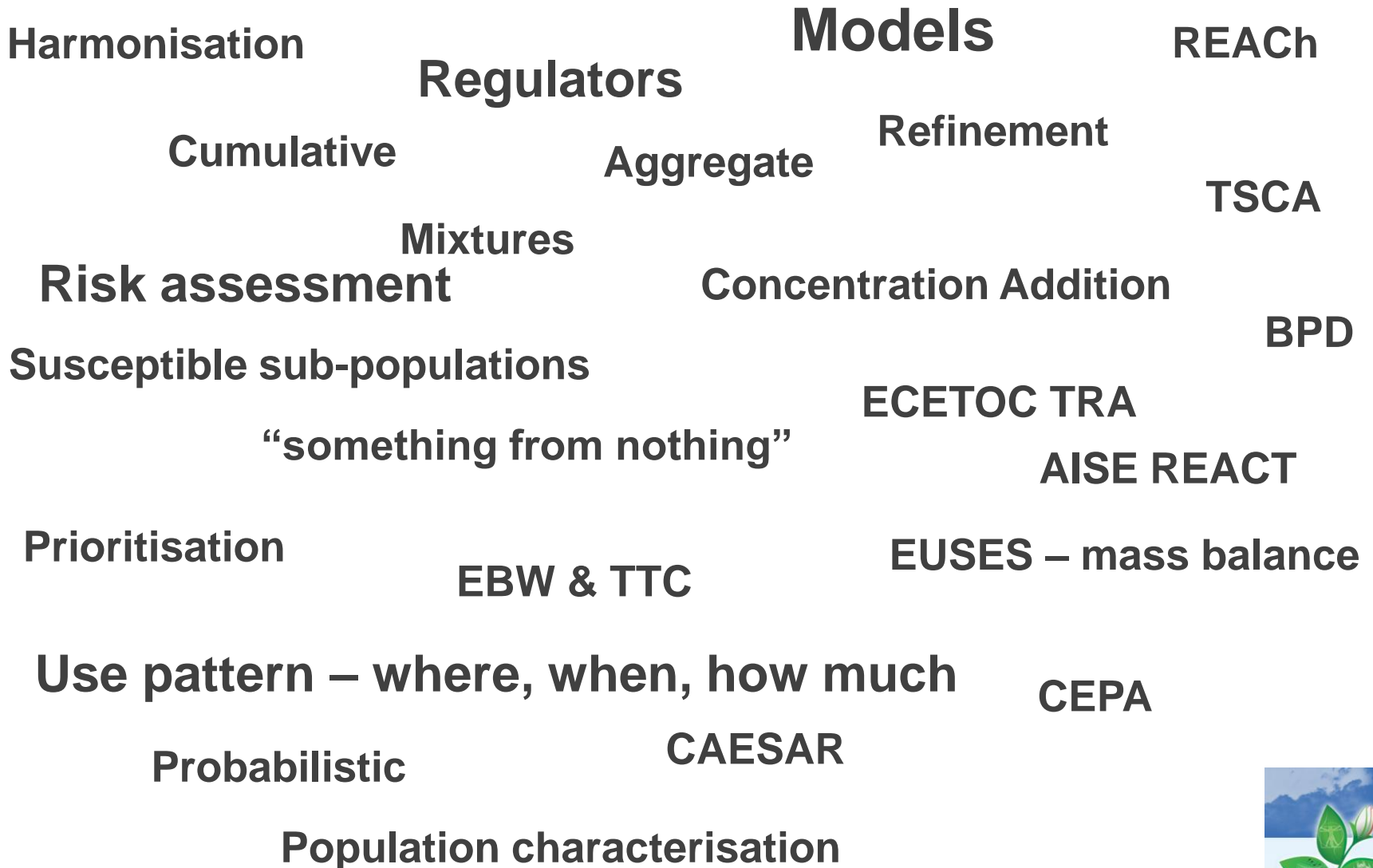
Session 2 : Emission & exposure characterisation of worker, consumer & environmental health

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Session 2 : Initial Aims

- Bring together Human Health (consumer / occupational) & environmental developments across geographical location in North America & EU
 - there appear to be differences
 - but are there common goals?
- Tripartite : industry / academia / regulators
- Current position of exposure models – and alignment with regulatory frameworks
- Future exposure science challenges
- Similarities in approaches between consumer, worker & environment
- Forum for exchange of ideas and networking for potential harmonisation

Something for everyone.....



Themes & Challenges discussed (1)

- Collation of use, supply chain distribution and consumer habits & practices data
- Standardised format
- More models – we can't help it - or less models? (CM)
- All models are wrong - but
 - Make them explicit with regard to assumptions
 - Scenario analysis
 - Allowing others to replicate results
- Population characterisation
 - (diets / activities / probabilistic)

Themes & Challenges discussed (2)

- Development, advocacy, maintenance & regulatory acceptance of models
- Mixtures & prioritisation methodologies (TTC & application of EBW)
 - “Ecotoxicology 10 years ahead of human health with regard to mixtures”
 - Concentration addition can be used as a default approach
 - Modest over-prediction
- Extended exposure scenarios used to measure or estimate emission
- Modelling & monitoring for identifying “hotspots”
- What minimal data is required to inform exposure based
- Significant scope for refining defaults - tonnage based approach / $F_{\text{mainsource}}$

Questions to consider

- Where are we after this 1.5 day meeting?
- Do we have an equal understanding emission & exposure characterisation under
 - REACH, TSCA, BPD, CEPA
- Practicalities of sharing data across legislation
- What are we going to do differently ?

- Do we really need to protect the individual or the population ?

- Is working towards sustainability the way to improve environmental and human health ?