

# Industrial installation perspective: management of hazardous substances in practice



HAZBREF – Stakeholder Conference

19 – 20 March 2018, Helsinki

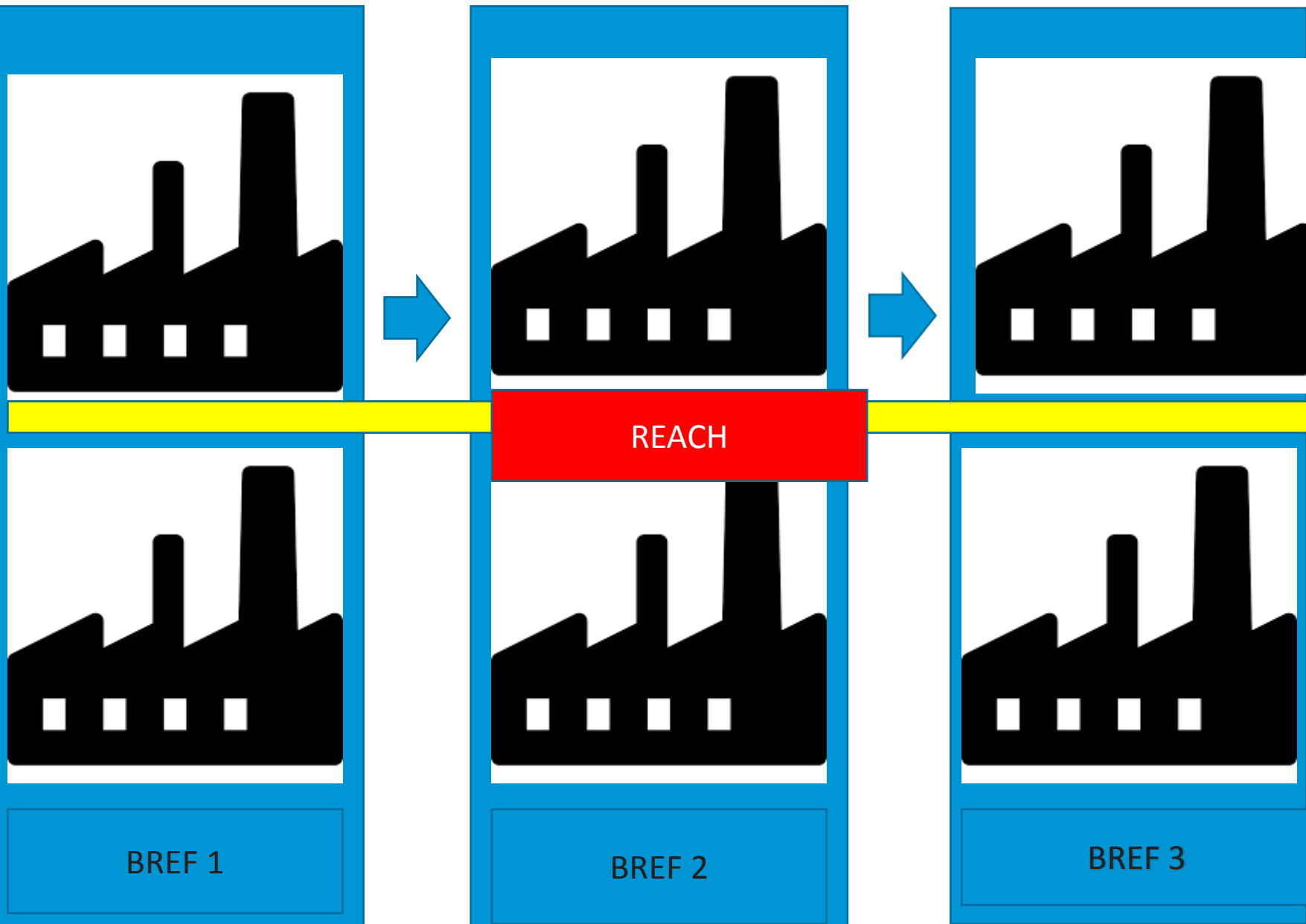
Dr. Erwin Annys

# Management of hazardous substances

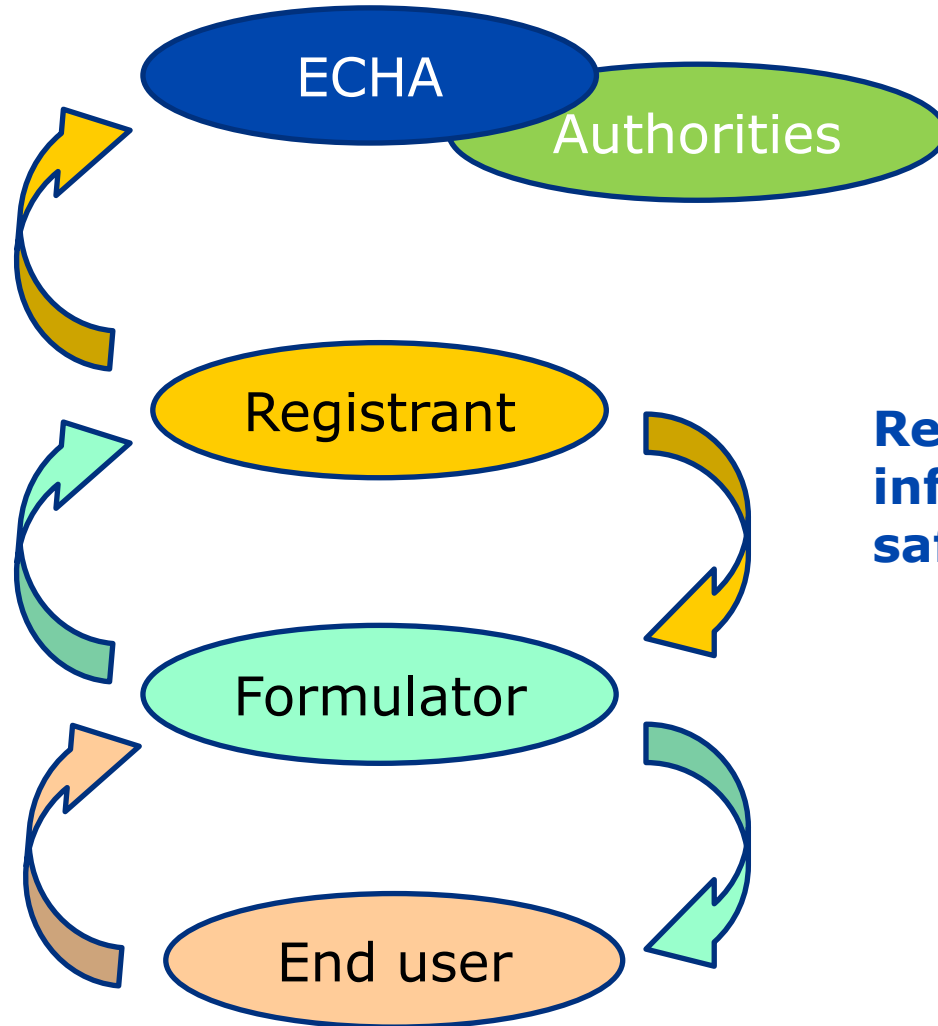


- Substances are manufactured and used in different installations
- Designing a factory is essentially a collaboration between engineering department and safety department in close collaboration with process specialists. Factories are designed for long time functioning, and turn-arounds allow to improve but only within an existing installation
- Safe use of chemicals as required under REACH is the area of regulatory departments in collaboration with technical services to know and understand the different uses

# REACH and IED



# REACH information flows and chemical safety assessment process

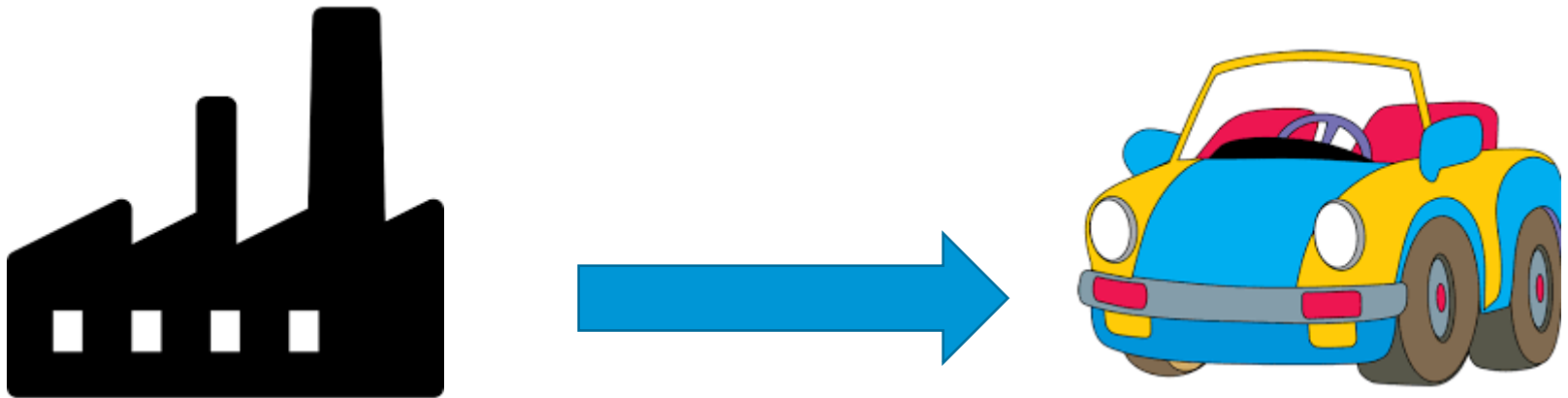




# REACH



- According to the automotive industry, as one of the ultimate downstream users, there are in average 7 layers between the original manufacturer of the substance and the end-product manufacturer



# Some reflections for the discussion



- IED and BREFs are looking at specific installations (multi-purpose or more specific)
- REACH is looking at individual substances in their entire life cycle of being substance, substance in a mixture until the integration into an article
- Exposure can take place at every stage, even at article level, but can be fundamentally different at different stages
- Use of available REACH data can only be encouraged

