











	nce Identity / focus of authorities At the beginning of chemical regulation, governmental
	evaluation concentrated typically on
	➢ Biology
	 Test organisms
	 Experimental conditions
\succ	Then the attention switched to
	 Exposure / Analytical dose verification
	Increasingly and particularly in the industrial chemicals / REACH context, issues are raised in substance identity
A	major issue
f	t is often downplayed, but substance identity is difficult and important for comparison & bridging principles in hazard classification and avoidance of animal and consumer harm.
	a.wess@ies-ltd.ch www.ies-ltd.ch

Hazard assessn	nent / procedure
Starting po threshold	oint: Dose descriptor (EC ₁₀ , NOEC, NOAEL), d levels
Modificat	tion
\succ	Exposure extrapolation
>	Route-to-route: Dermal, oral, inhalation (particle size)
>	Medium to medium: Water – Sediment – Soil (Equilibrium Partitioning Method, EPM)
\succ	Exposure duration
Assessme	ent Factors, AF (uncertainty factors)
\succ	Interspecies and intraspecies differences
\succ	Study duration
\succ	Exposure duration considering the Acute to Chronic Ratio (ACR)
>	Remaining uncertainties, e.g. data quality, suitability of replacement organisms
	a.wess®ies-Itd.ch www.ies-Itd.ch









































