

International Symposium on Alternatives Assessment

Alternatives Assessment under REACH

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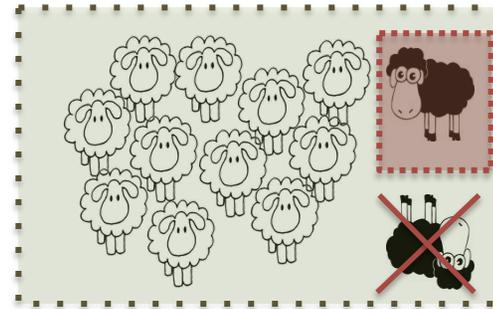
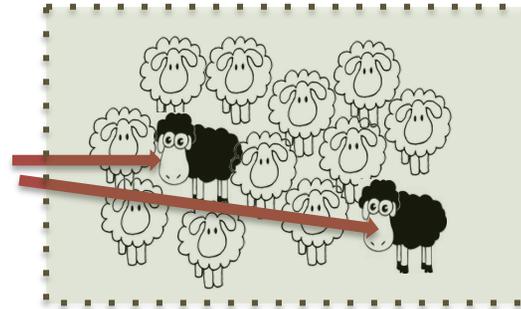
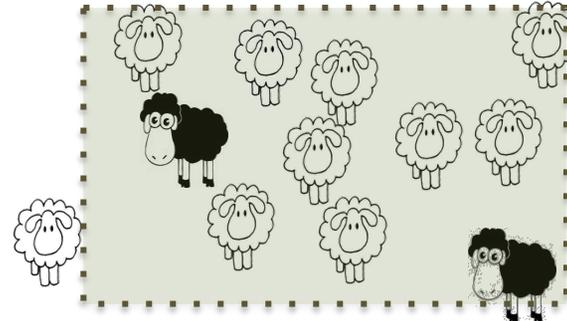


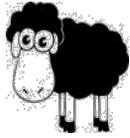
Registration

Evaluation

Authorisation
& Restriction

Safe Use of Chemicals





= Substance of Very High Concern (REACH, art 57)

Carcinogenic cat 1A/1B

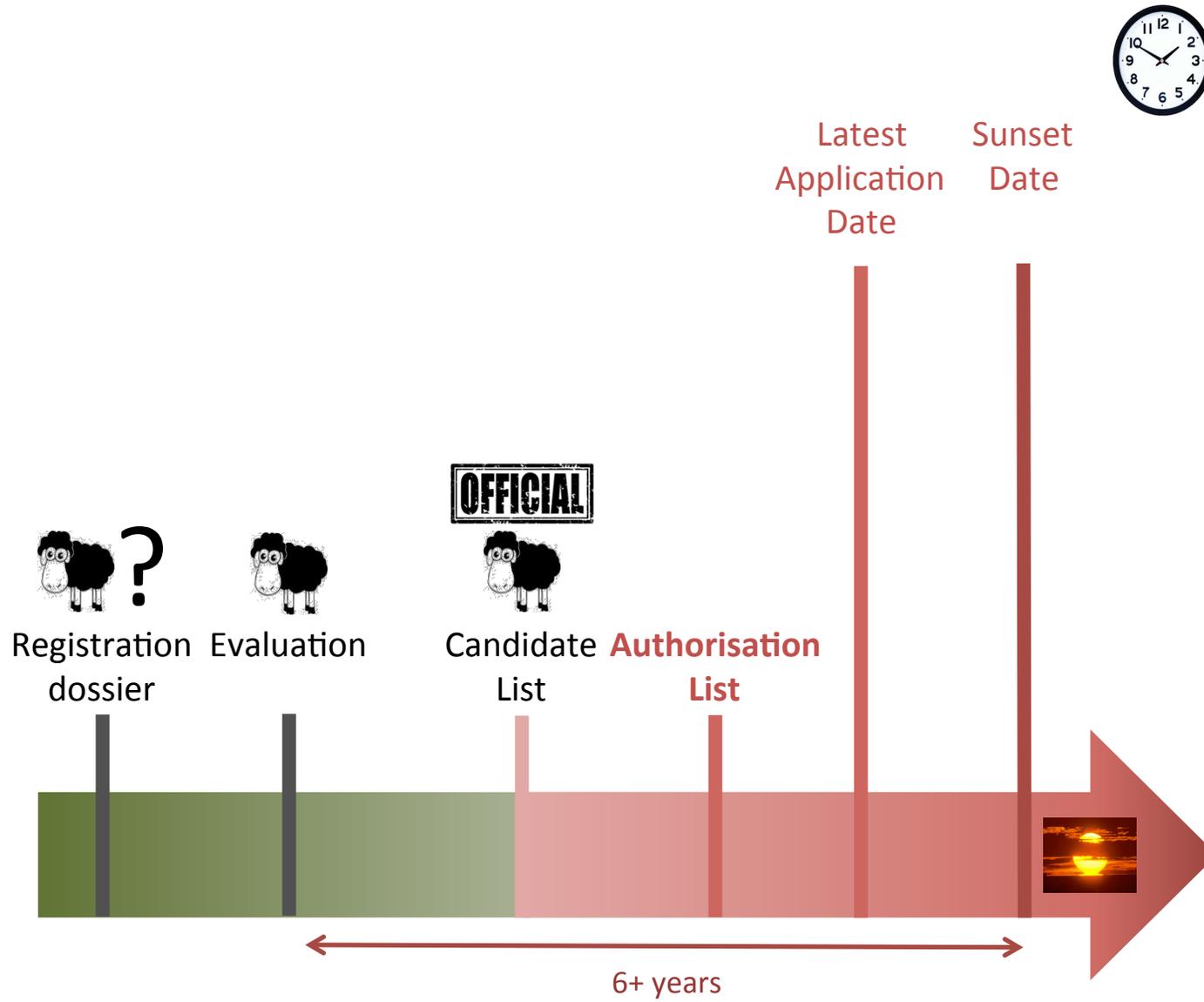
Mutagenic cat 1A/1B

Reprotoxic cat 1A/1B

Persistent, bioaccumulative and toxic

Very persistent and very bioaccumulative

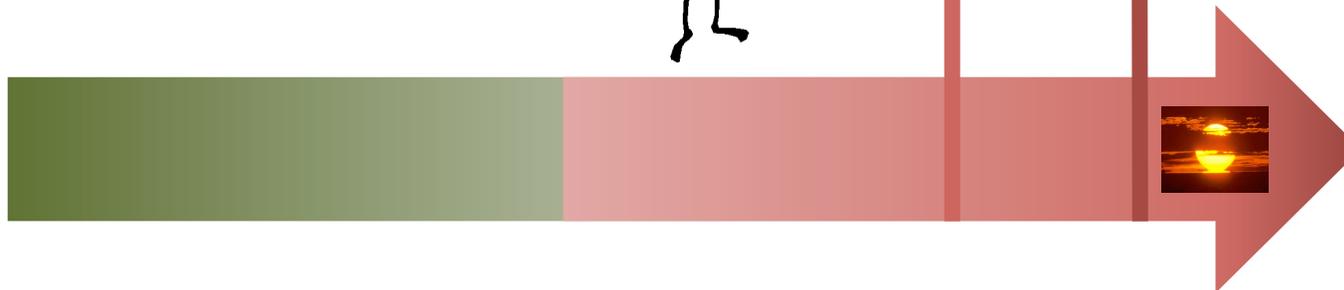
“Equivalent concern” (e.g. endocrine disruptors, sensitizers)



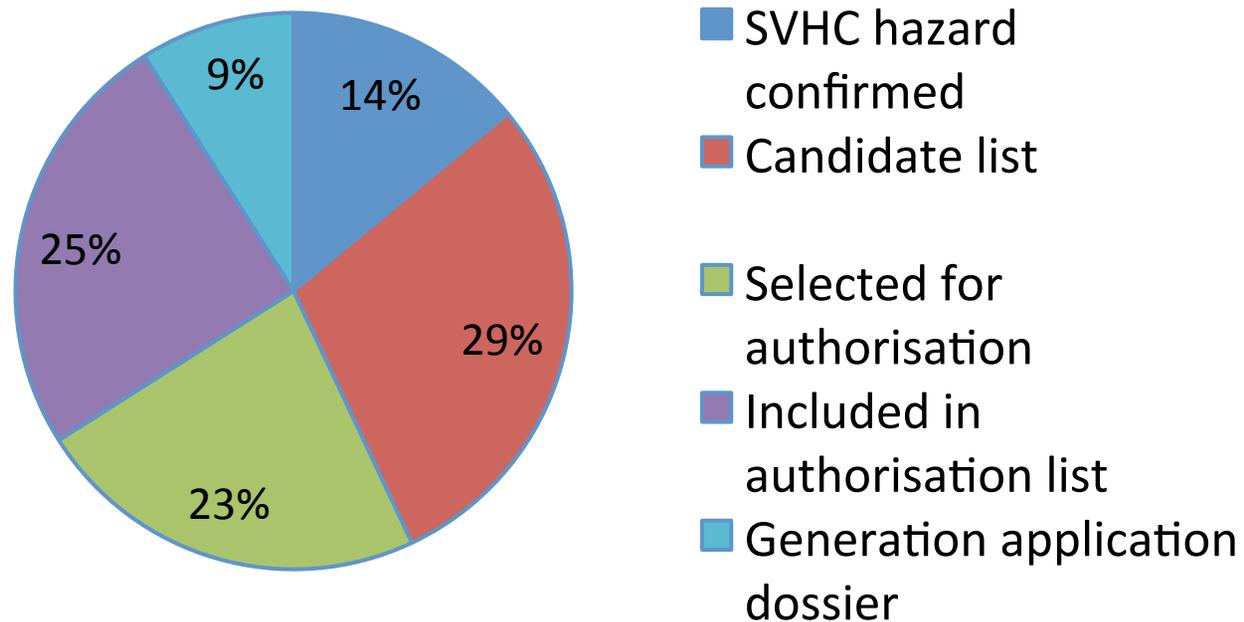


Latest
Application
Date

Sunset
Date



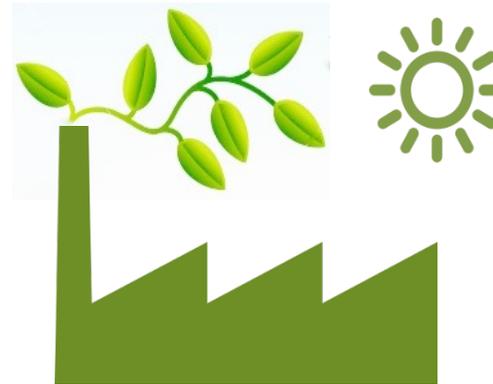
Triggers for substitution



Source: **Impacts of REACH Authorisation (Nov 2017)**
EU Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
https://ec.europa.eu/growth/content/commission-publishes-study-impacts-reach-authorisation_en

AUTHORISATIO

N Risk Management of 



- 1. Risks properly controlled**
- 2. SVHCs progressively replaced**



- Exposure is well controlled
- Minimization of emissions



- Past R&D efforts
- Opportunities to find suitable alternatives
- Development plan & timelines



Balance of impacts:
Do the benefits outweigh the risks?

Reduction of Risk

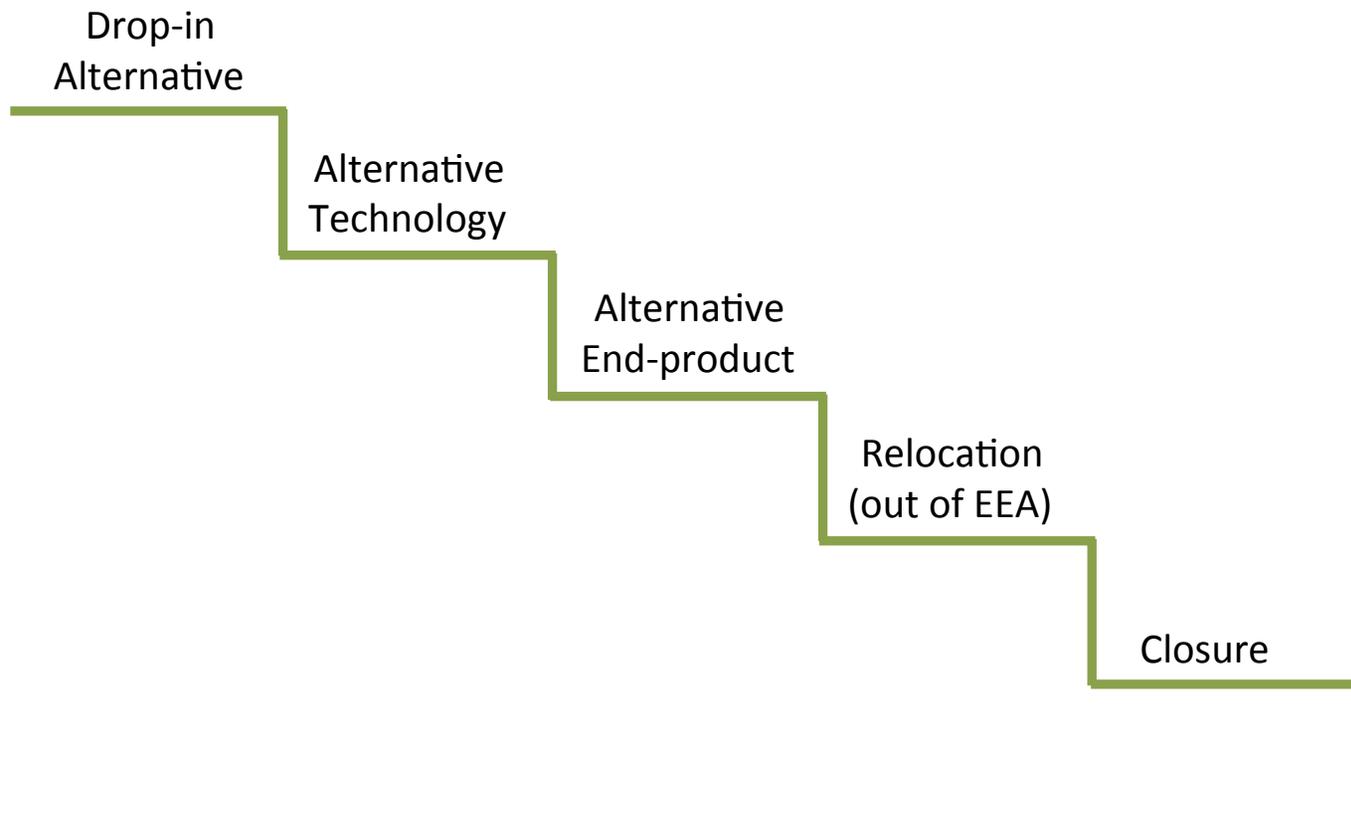
Technical feasibility

Availability

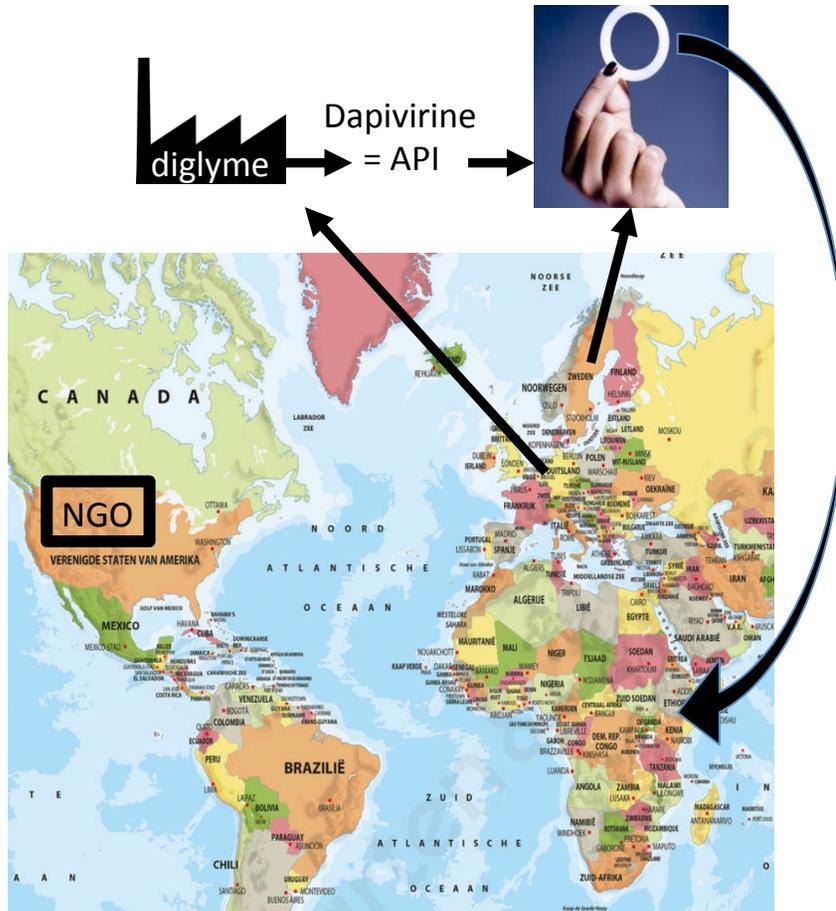
Economic feasibility

Potential Alternative

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	2	3	4	5



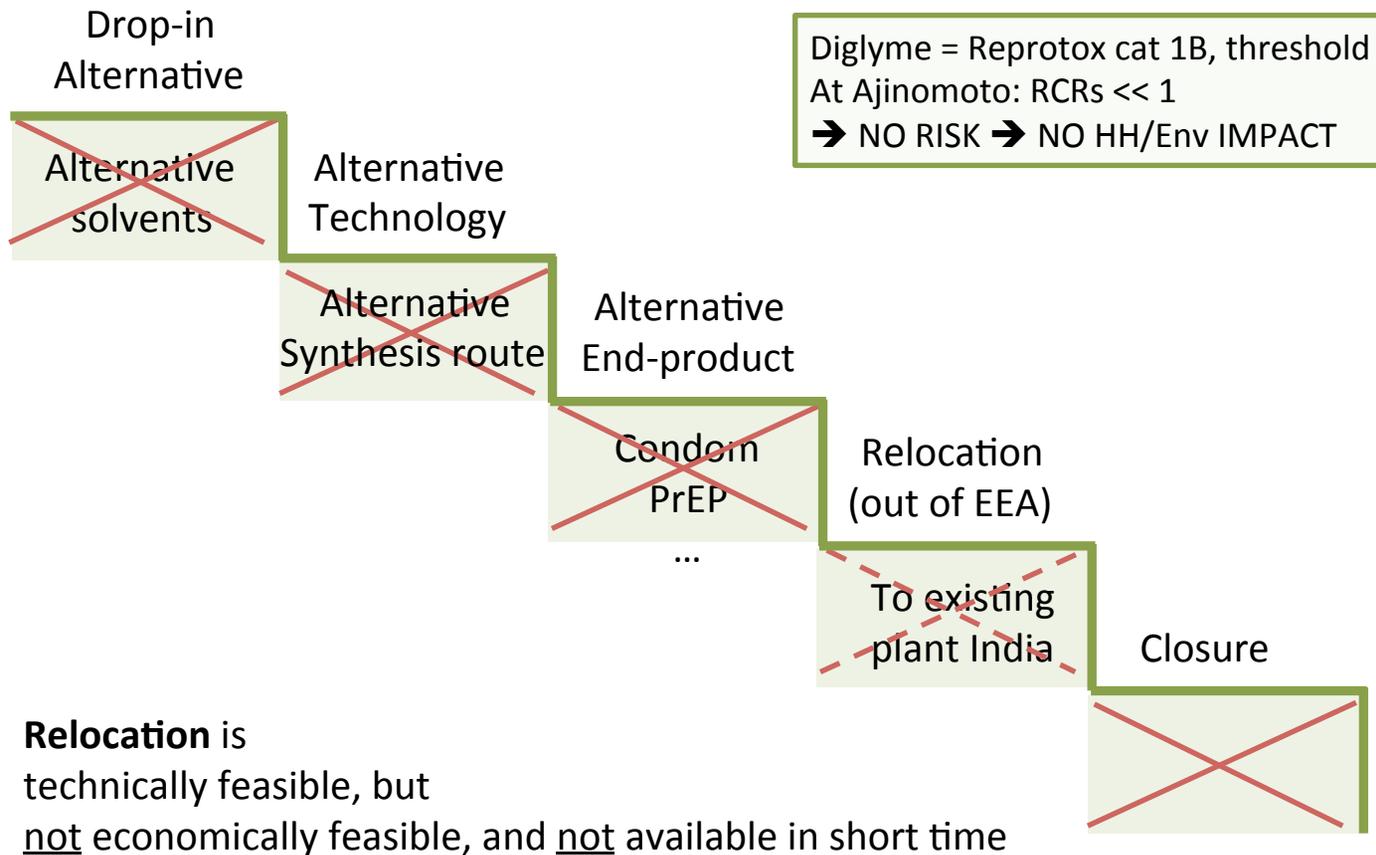
Example: Protection from HIV



Fact: 23 million people HIV+
in Sub-Saharan Africa

HIV infections
= 450.000 girls age 15-24 /year

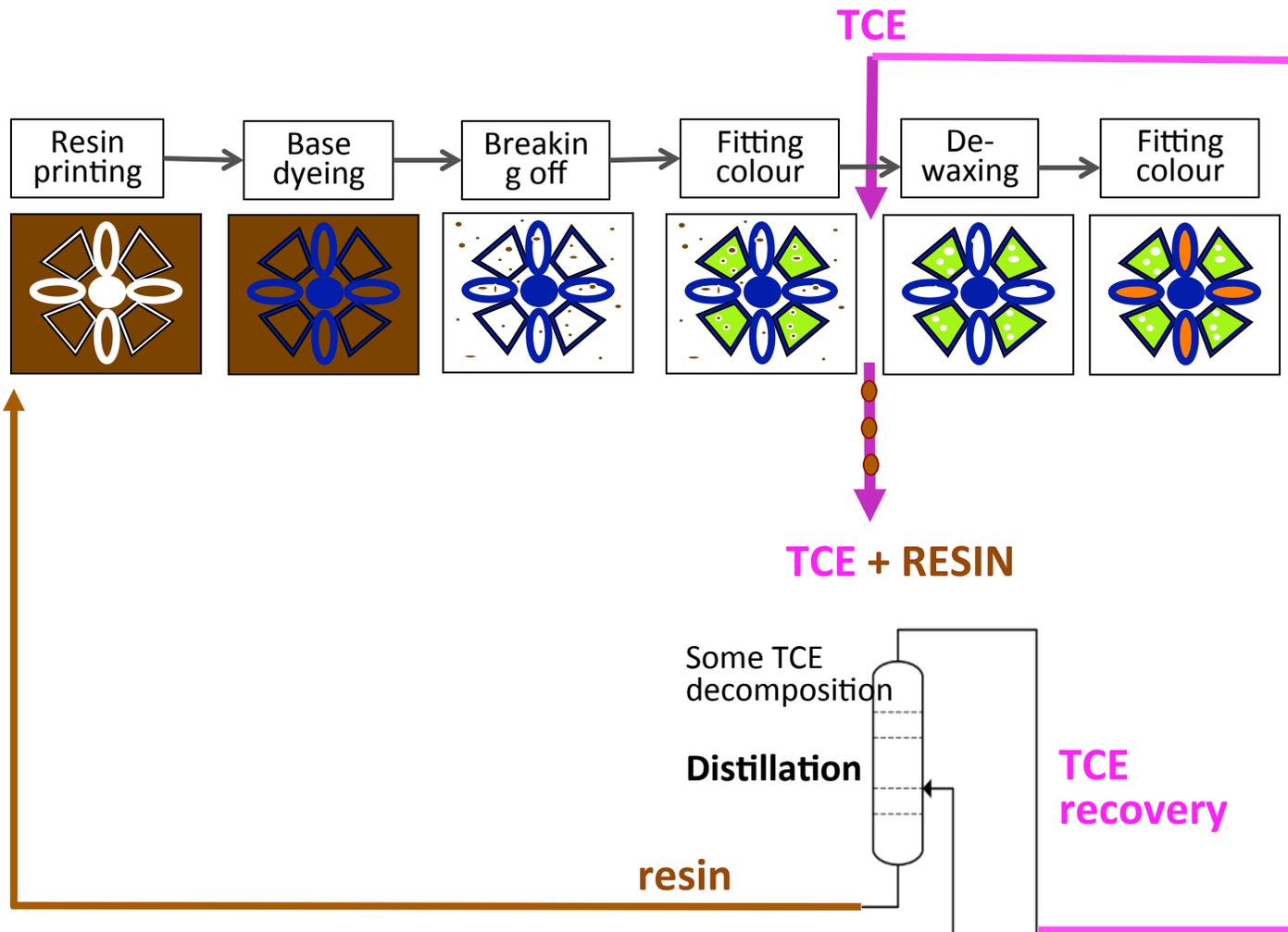


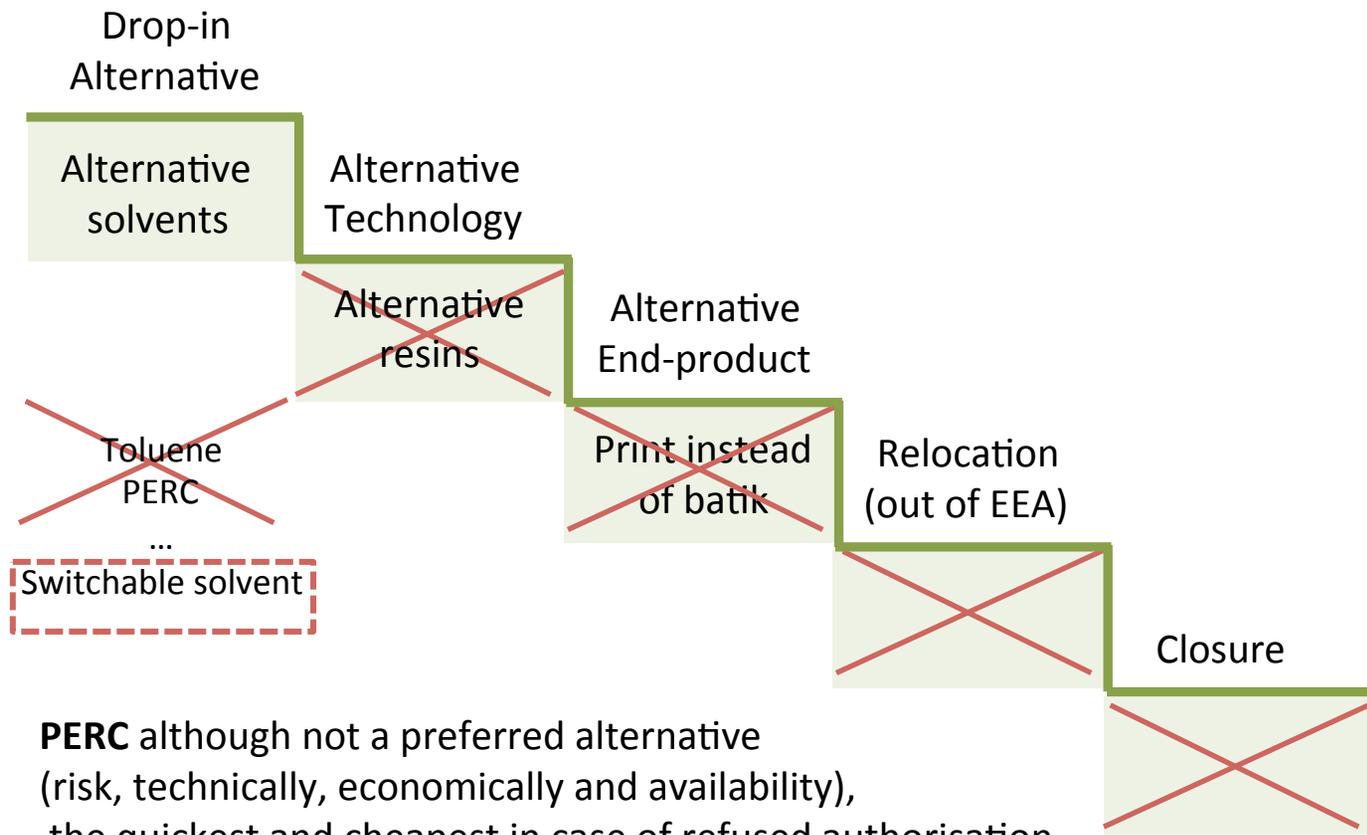


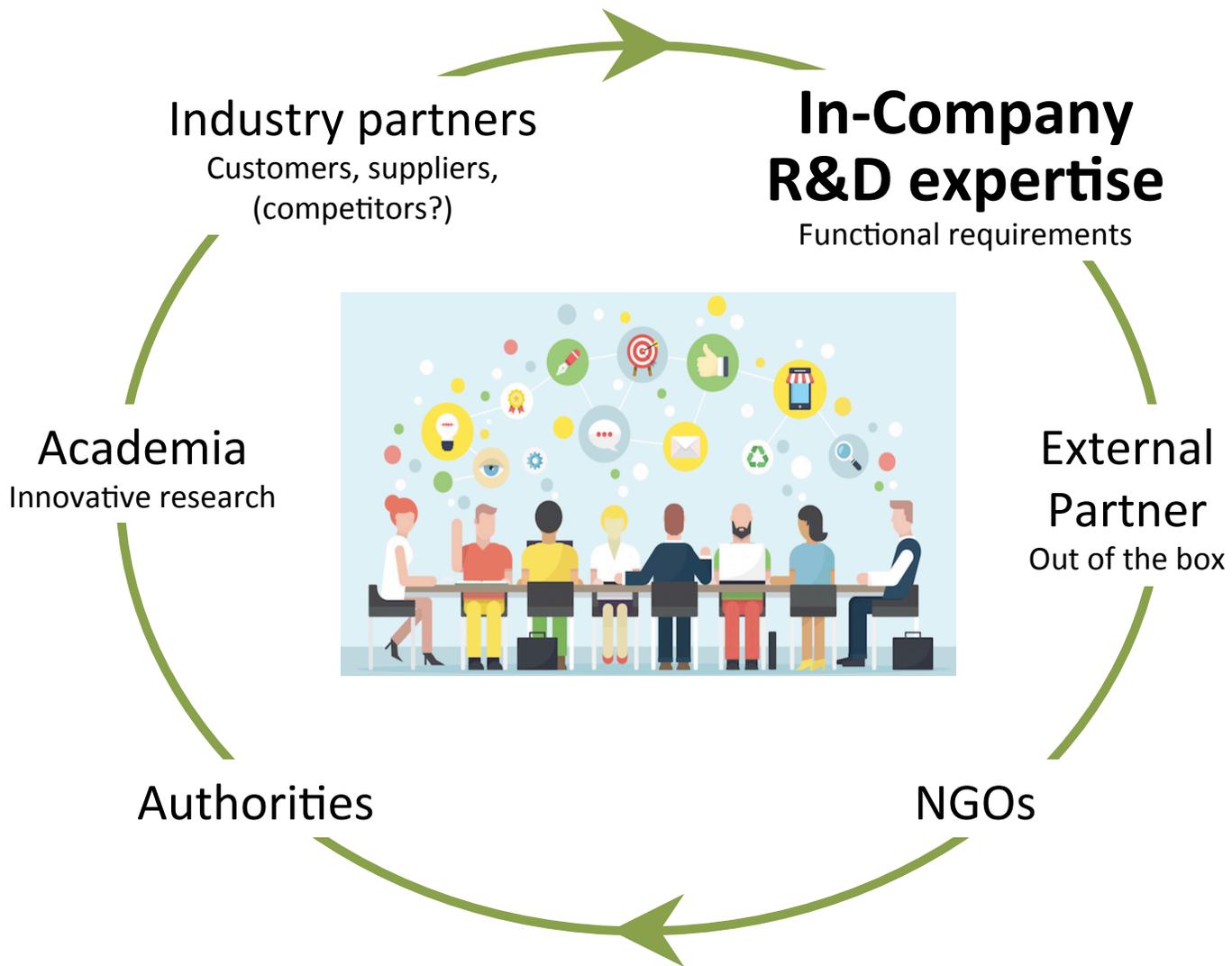
BUT - even if not a preferred alternative - the quickest and cheapest in case of refused authorisation.

Example: Batik Textiles









where Strategy, Science
and Efficiency meet

Apeiron



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