

# BREF and EU Green Deal



HAZBREF Meeting June 4<sup>th</sup>, 2020  
Stefan Drees, Cefic, BREF Manager

# IED / EU Green Deal

- Since inception in 2011, IED provides an efficient Integrated pollution control mechanism aiming at the systemic reduction of industrial emissions to the environment
- The IED is a legal instrument to help National Permitting Competent Authorities regulate emissions limit values at production sites level.
- EU Green Deal (EGD) is a new concerted strategic approach for an European climate-neutral, resource efficient, low-environmental impact and competitive economic and societal model
- The EGD is/will be supported by many legislative proposals either new or revised as shown in the 2020 Commission Work program
- The IED is **one of many** other legislative instruments that could address few of the EGD political ambitions. Others existing legal frameworks include the Wastes Framework Directive, the Water Framework Directive, the 8<sup>th</sup> EAP, REACH , the upcoming Sustainable Chemicals Policy, etc...

# Zero Pollution Ambition

1. The use of chemicals (and their potential substitution) is regulated via REACH
2. The USE of chemicals does not automatically lead to emissions!
  - During the production process, chemicals react to form the desired products.
  - Chemicals are safely handled in tight equipment.
3. The safe handling in tight equipment is regulated via 2009/104/EC

# Circular Economy

Chemical industry already intensely (re-) uses by-products, side-streams and recovers energy.

Currently the BREFs focus mostly on emission reduction

Suggestions for improvement:

- Better evaluation of Cross-media effects
- “Flexible” AELs to incentivize use of side-streams or other ‘non-virgin’ materials (e.g. via ‘footnote’)

# BREF Process

The BREF process **already** ensures the **KEY** environmental issues are selected – ALL members of the TWG can contribute

- ✓ Call for initial positions
- ✓ Kick Off Meeting
- ✓ Screening via the 4 criteria by DG ENV
- ✓ Screening via 'Ricardo' methodology (proposal: this method should be more based on data and not only 'literature')
- ✓ Examples: WGC BREF, TXT BREF

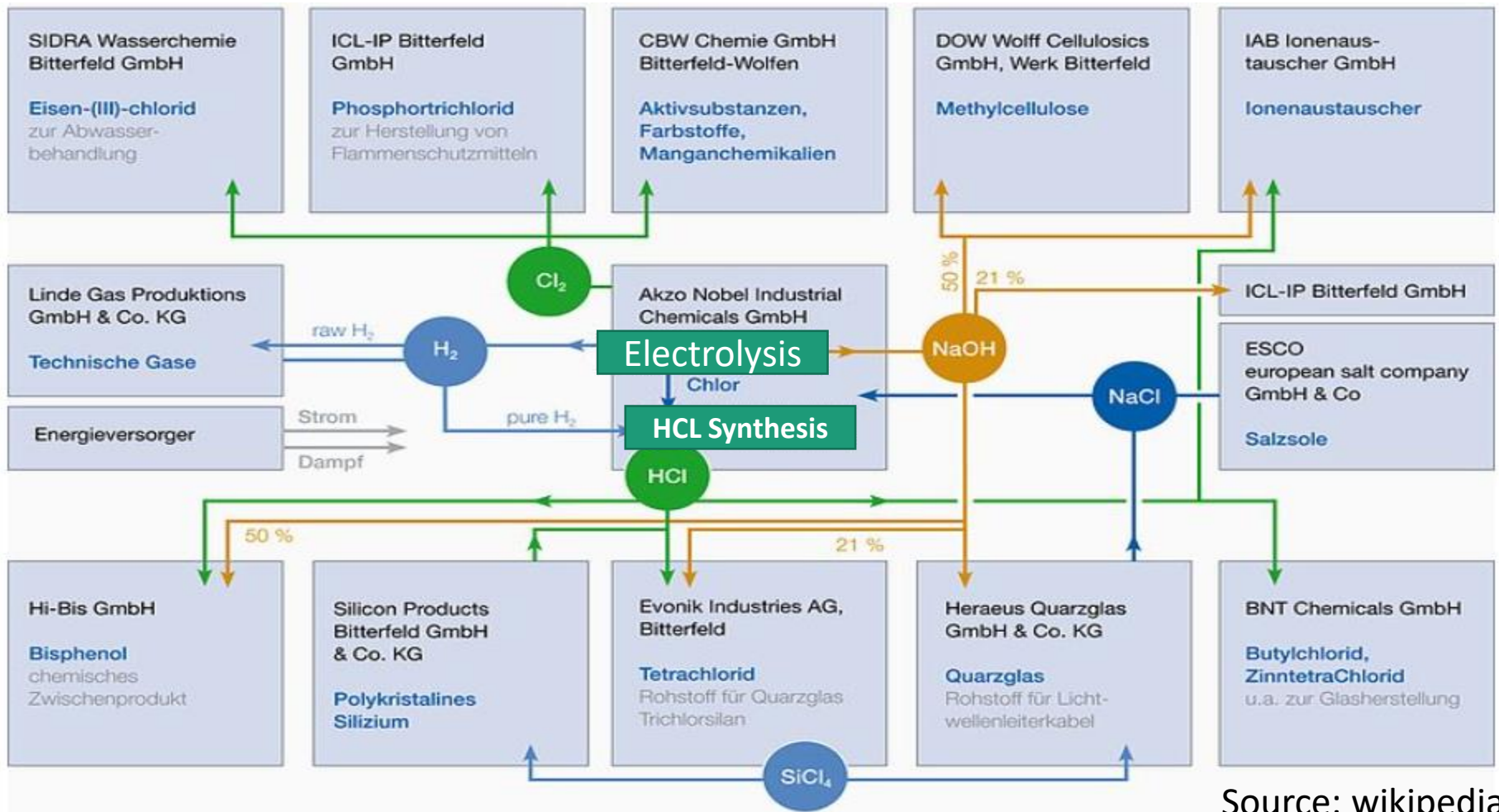
Suggestions for improvement:

- Screening of more substances in the pre-Kick Off Phase

# Circular Economy

## Chemical Sites are already vastly inter-linked

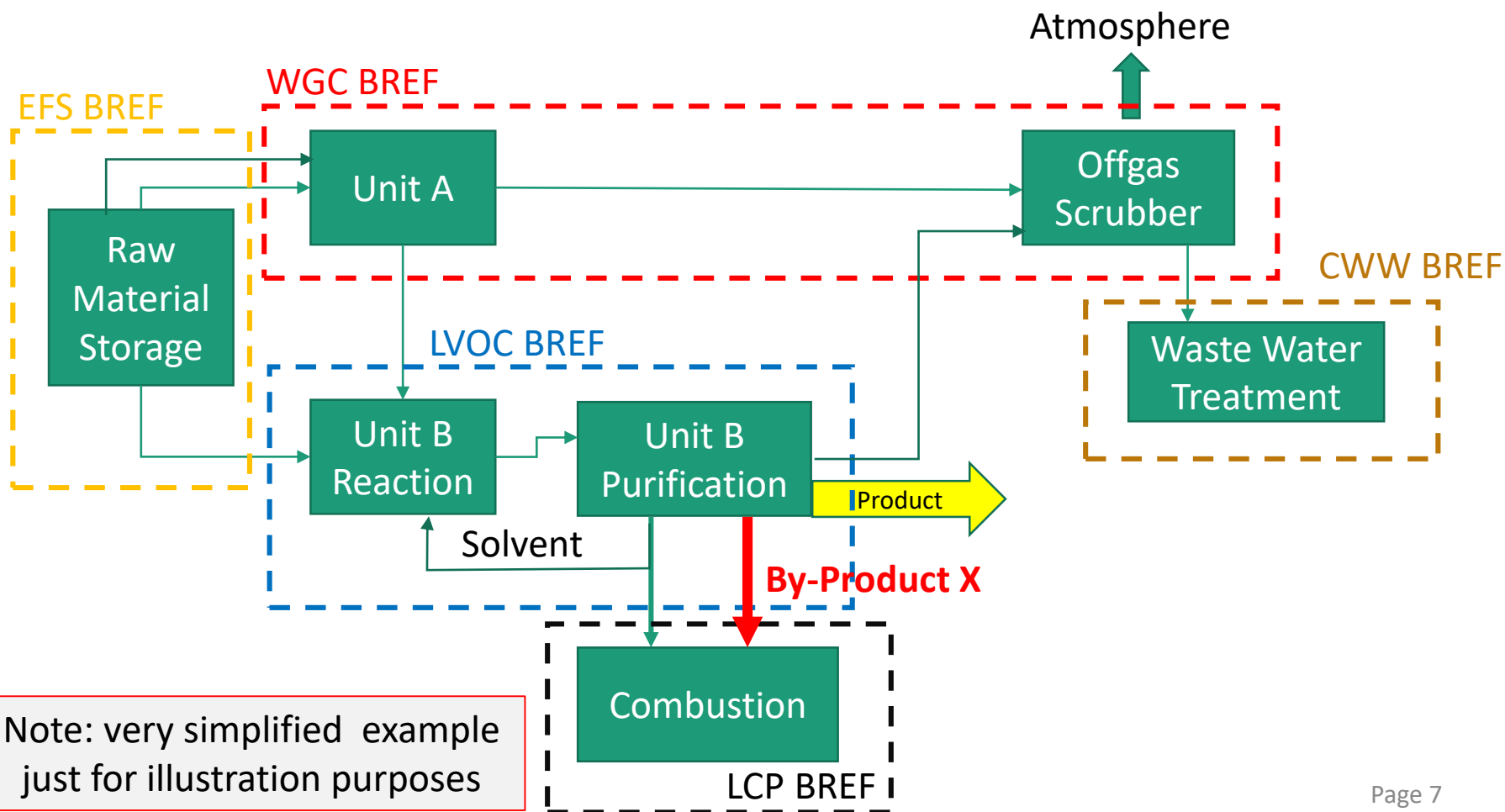
### Example: Bitterfeld/Germany



Source: wikipedia

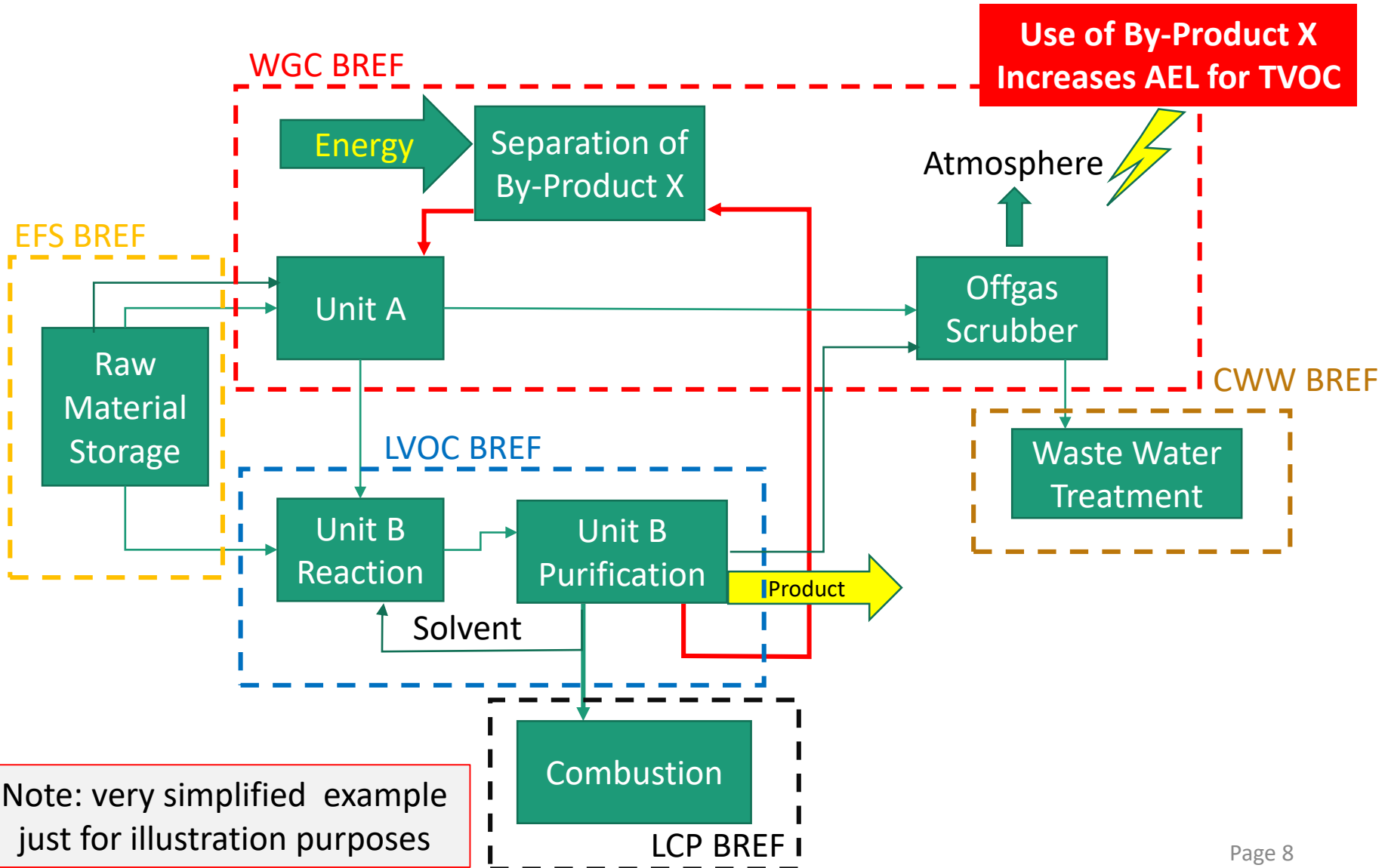
# Example: Chemical Site

## By-Product X is disposed, part of the solvent incinerated



# Example: Chemical Site

## Change of Process A could allow the use of By-Product X





Thank you for your  
attention

