



MSCA-ETN

**SULTAN**

European Training Network for the Remediation  
and Reprocessing of Sulfidic Mining Waste Sites

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EU H2020 MSCA-ETN SULTAN Kick-Off Event

11 FEBRUARY 2019, NOVOTEL, LEUVEN - Belgium

Lugas Raka (ESR 15) 11 FEB 2019

# Hello everyone!

2



Technical  
marketing



2014 – 2016

Energy  
engineer



2018



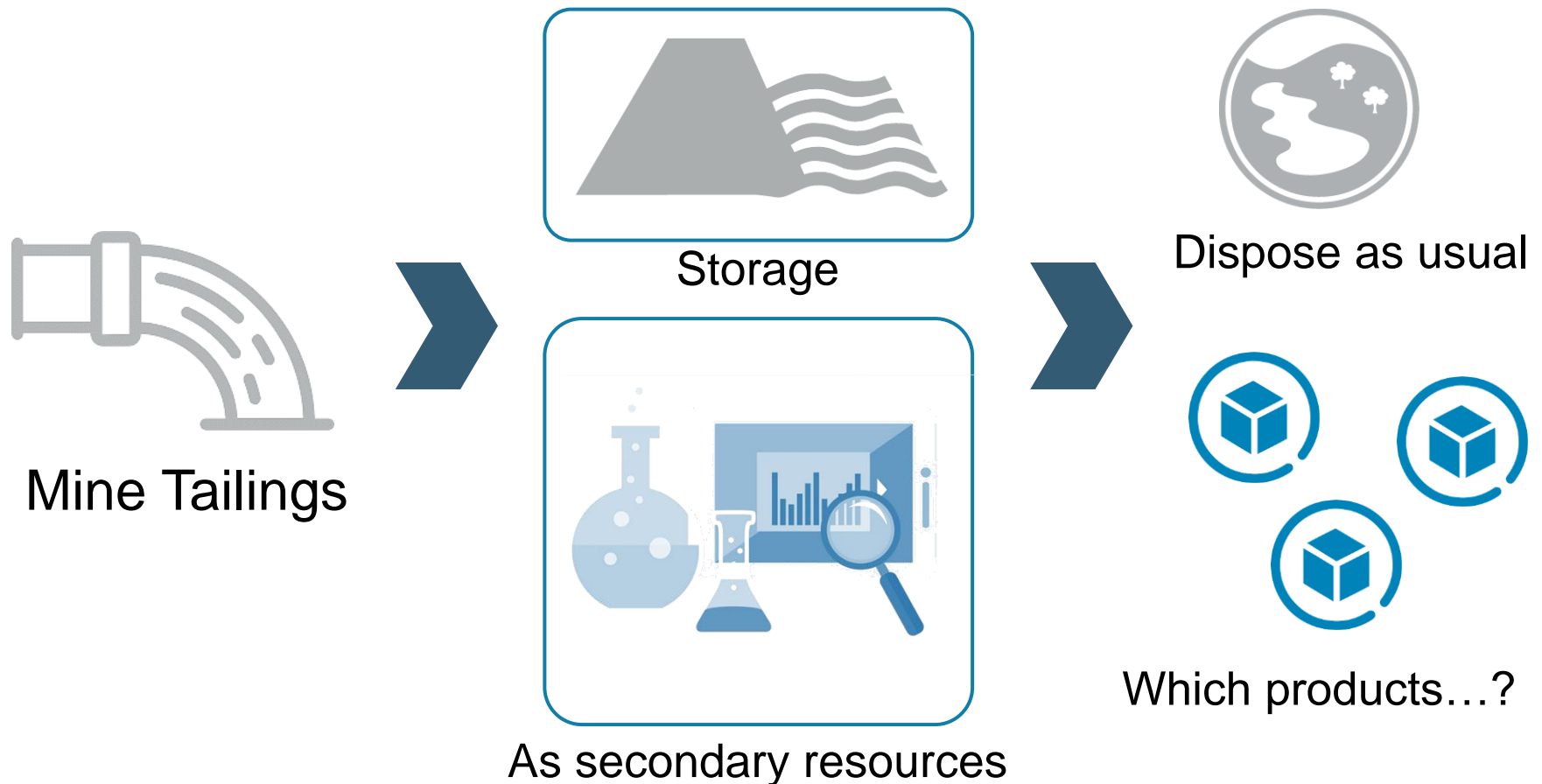
2019

Stockholm, Paris

“An Indonesian doing *adventures*  
**research** in Europe”

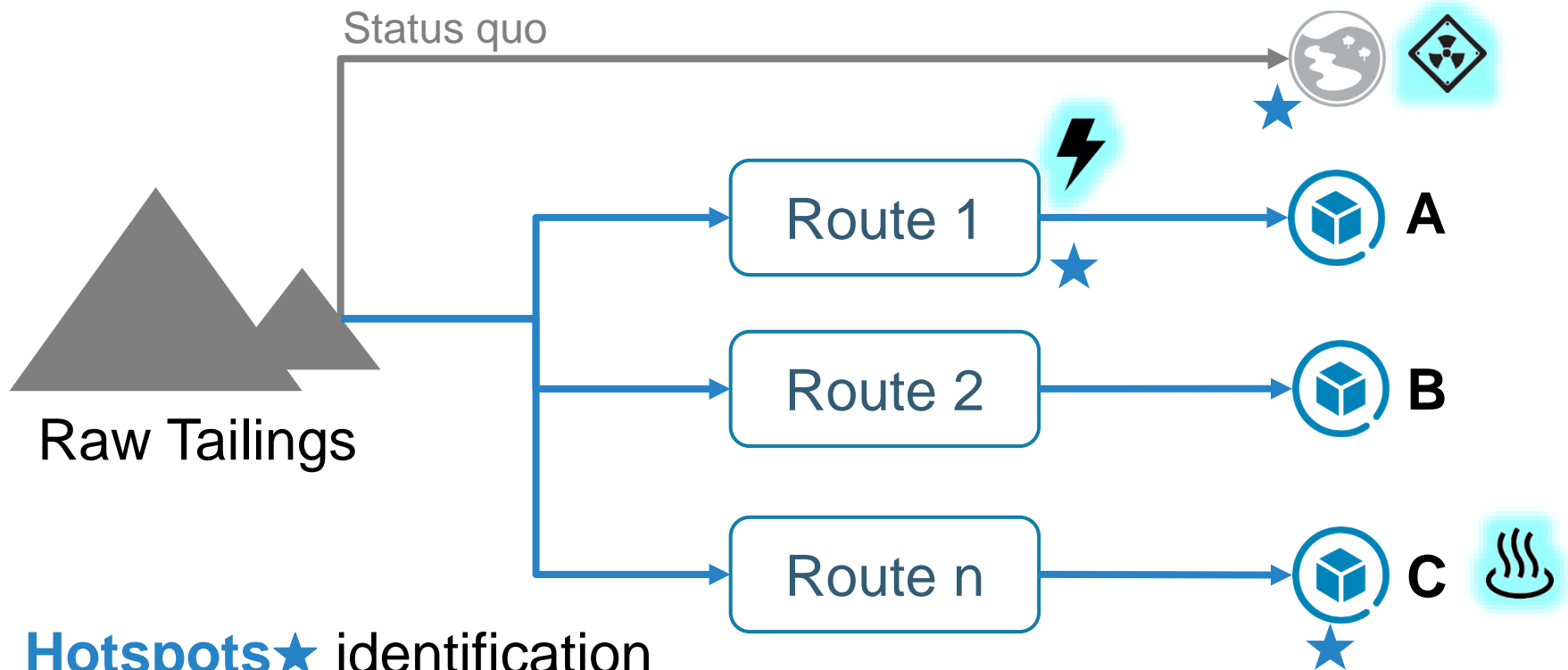
# What happens to tailings?

3



# LCA<sup>1</sup>: Fairly assessing environmental impacts

4



## 1) Archive and 2) Convenience

