



Final Conference: WP4

**Management of waste from urban mines processing:
Identification, environmental evaluations.**



Funded by the Horizon 2020 Framework
programme of the European Union
(Grant Agreement Number 688993)

PEDRO ACEBES (CARTIF)

MSP-REFRAM, Final Conference
Brussels, March 9-10th

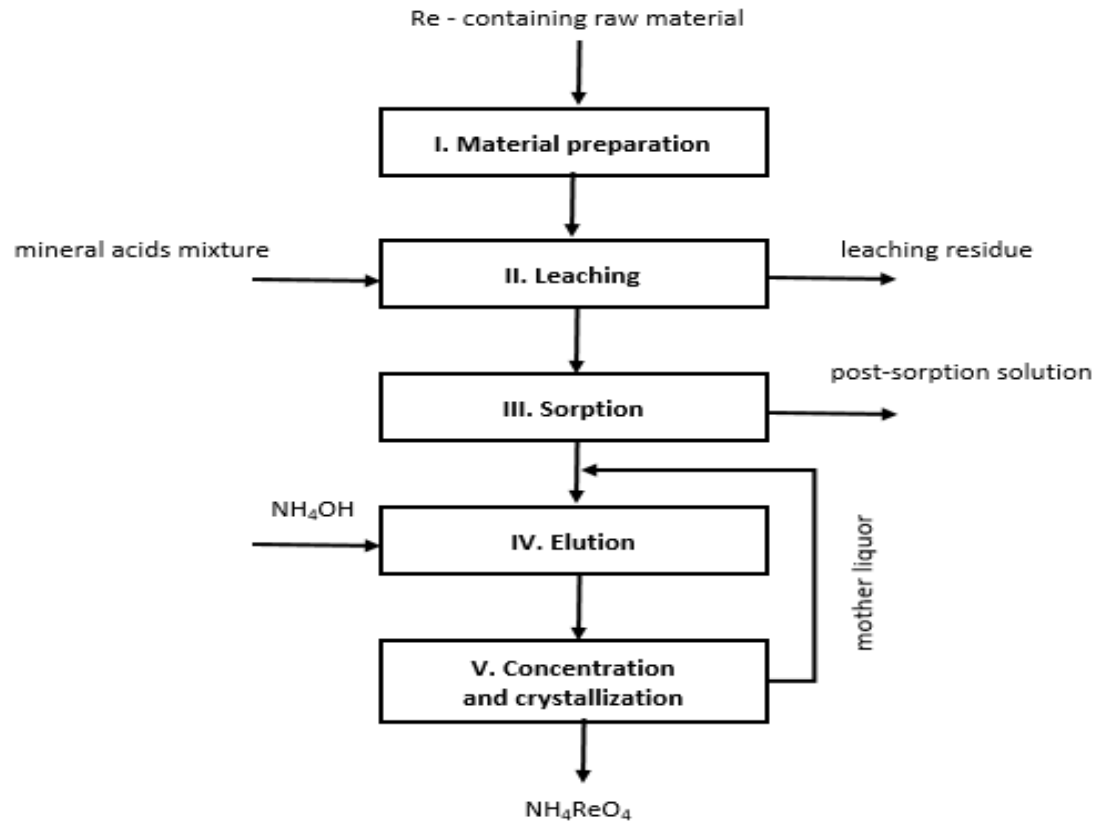
CONTENTS

- 1.- Environmental impacts for Ta and Re (primary extraction)
- 2.- Ta and Re recycling technologies
- 3.- Re recycling environmental result

1.- Environmental impacts for Ta and Re (primary extraction)

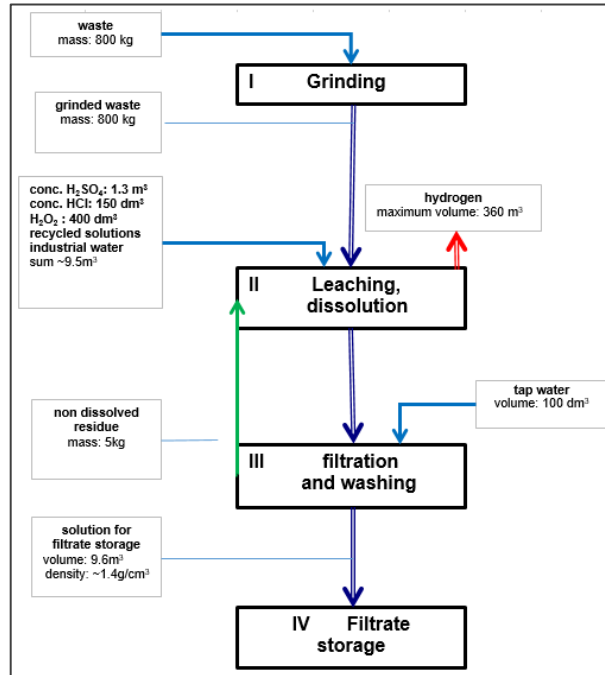
Impact category	Ta	Re
Global warming potential (kg CO ₂ eq / kg)	260	450
Cumulative energy demand (MJ eq / kg)	4,360	9,040
Terrestrial acidification (kg SO ₂ eq / kg)	1.7	11
Freshwater eutrophication (kg P eq / kg)	1.5E-01	3.5E+01
Human toxicity (CTUh/kg)	1.2E-04	5.9E-02

2.- Re recycling technologies

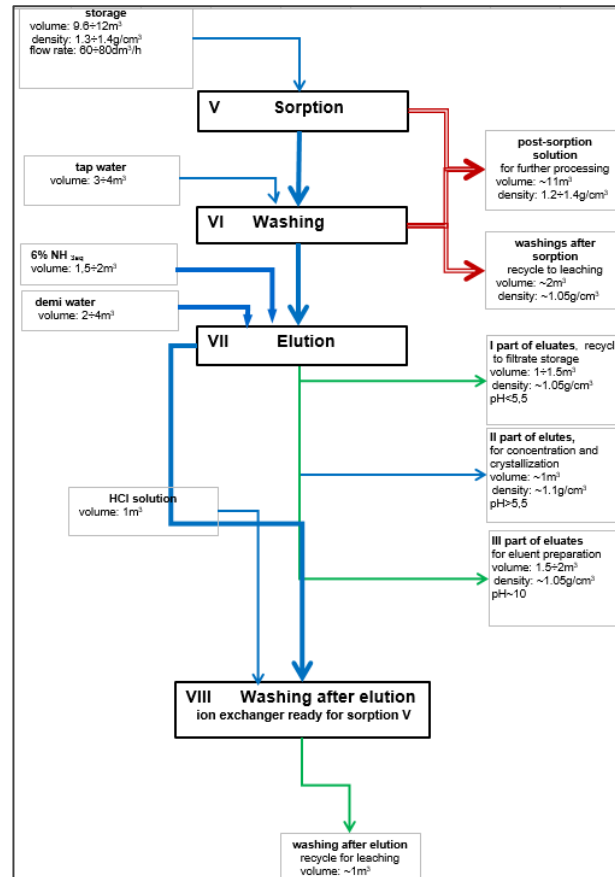


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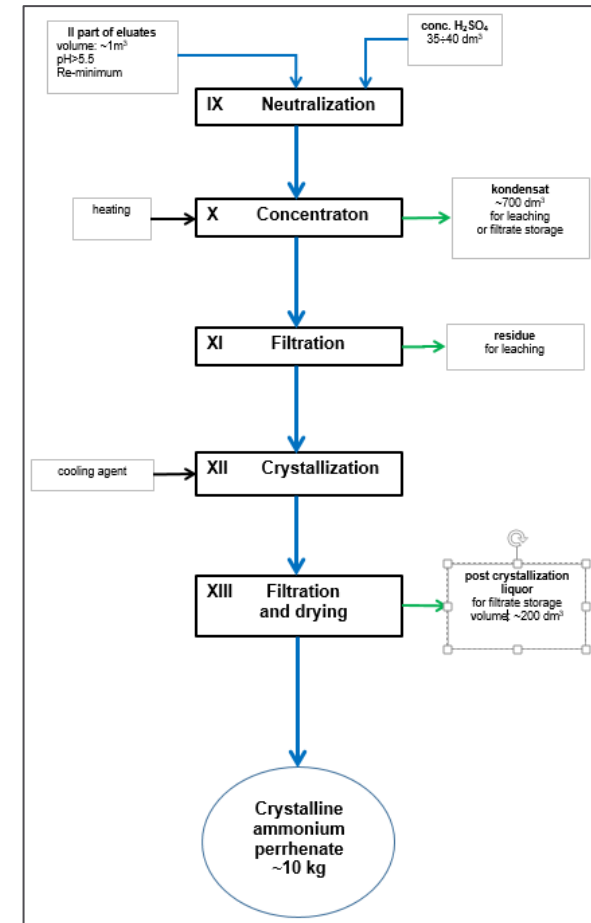
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2

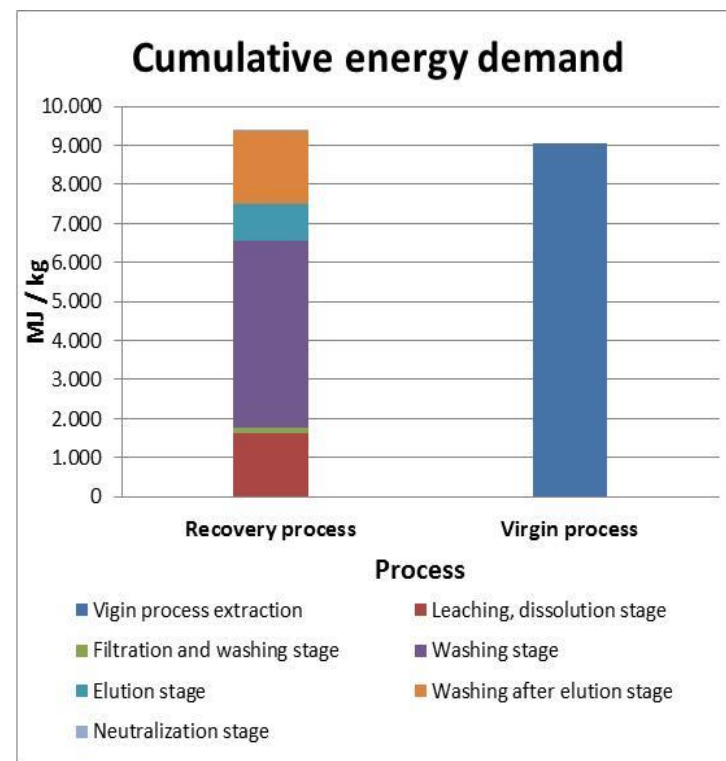
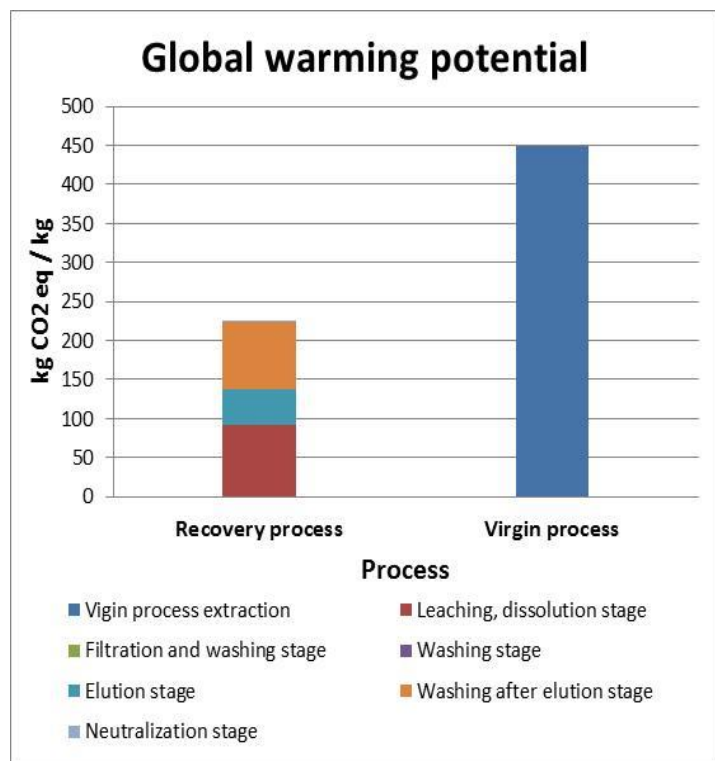


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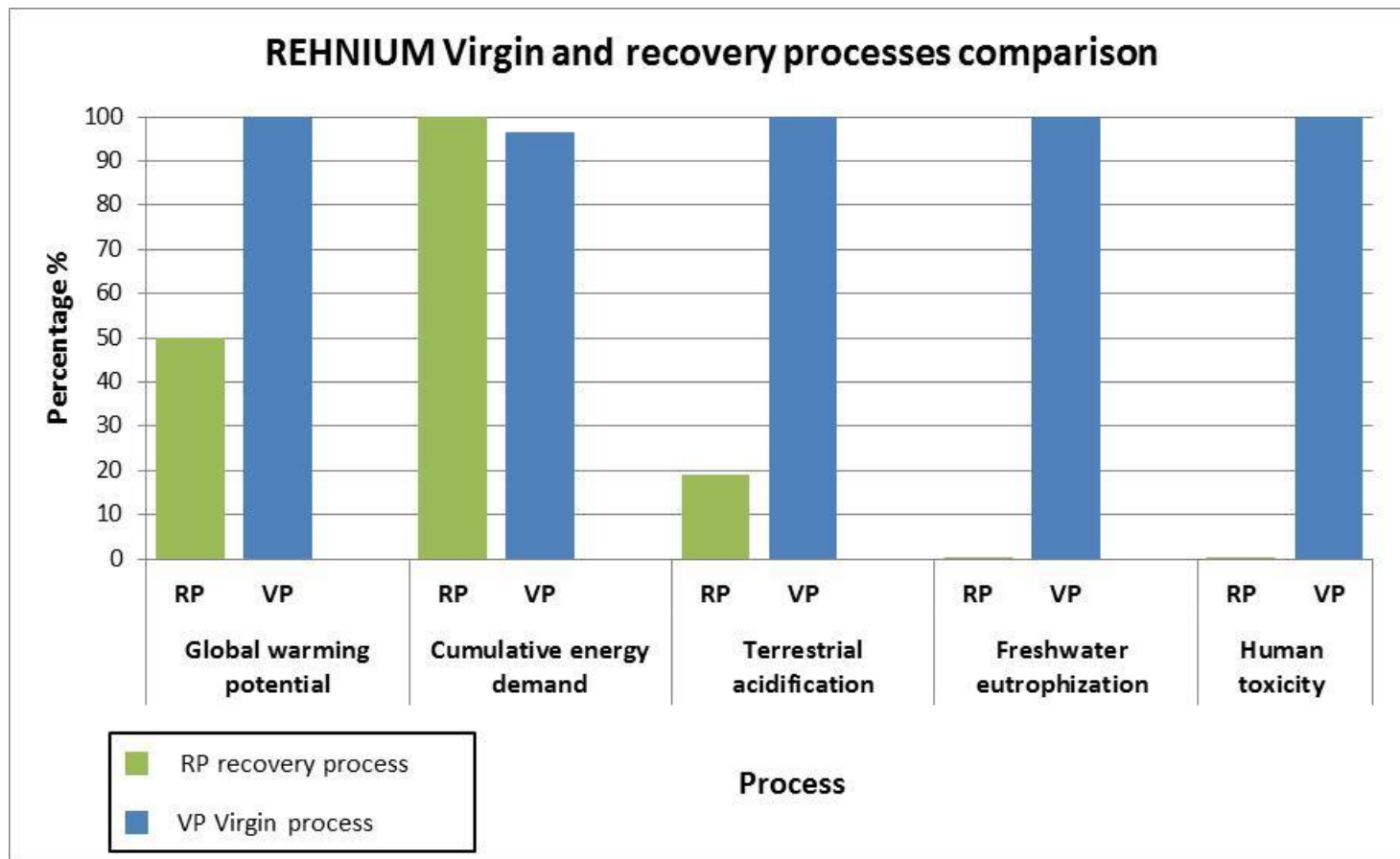
3.- Re recycling environmental results

Only mass inputs in the recovery process, no energy or waste is included because no data is available



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THANKS FOR YOUR ATTENTION!!

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