



WP 5: Technology deployment

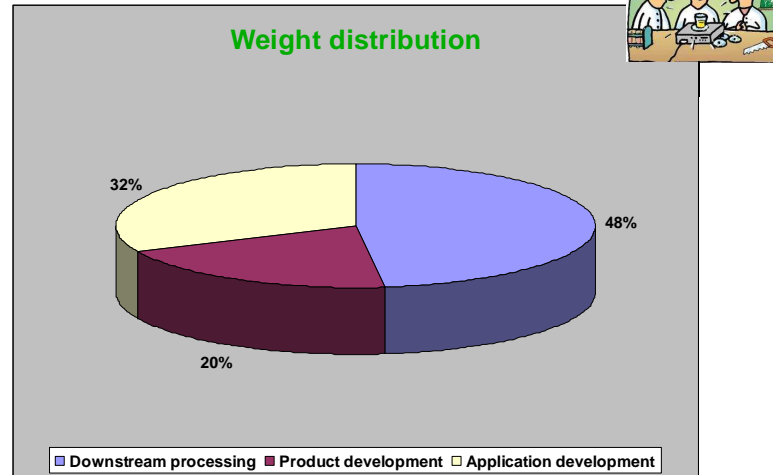
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Objectives

To evaluate the maturity of business models for the most promising integrated biorefinery processes identified in WP 4



Technical feasibility



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Evaluation and positioning

PortfolioScan a model that integrates ...



- strategic positioning
- financial criteria (NPV, IRR, PBIT, EVA ...)
- technical feasibility
- commercial feasibility

... into a qualitative strategic evaluation and a single weighted quantitative project value

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Fundamentals

≠ input parameters (volume, price, cost range) +
technical and commercial feasibility score
(based on questionnaire)

Set of options with a different NPV and probability.
Some options have a positive NPV, other a negative

$$\text{Reward} = \sum \text{NPV}_i * \text{Prob}_i$$

i: options with positive NPV

$$\text{Risk} = \sum \text{NPV}_j * \text{Prob}_j$$

j: options with negative NPV

$$\text{Project value} = \sum \text{NPV}_{i,j} * \text{Prob}_{i,j}$$



Risk-Reward visualisation



Feasibility visualisation



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Thank you

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