


Implementation of an Additional Attribution Approach – Request from a Brand Owner

Peter Hawighorst, ISCC System GmbH

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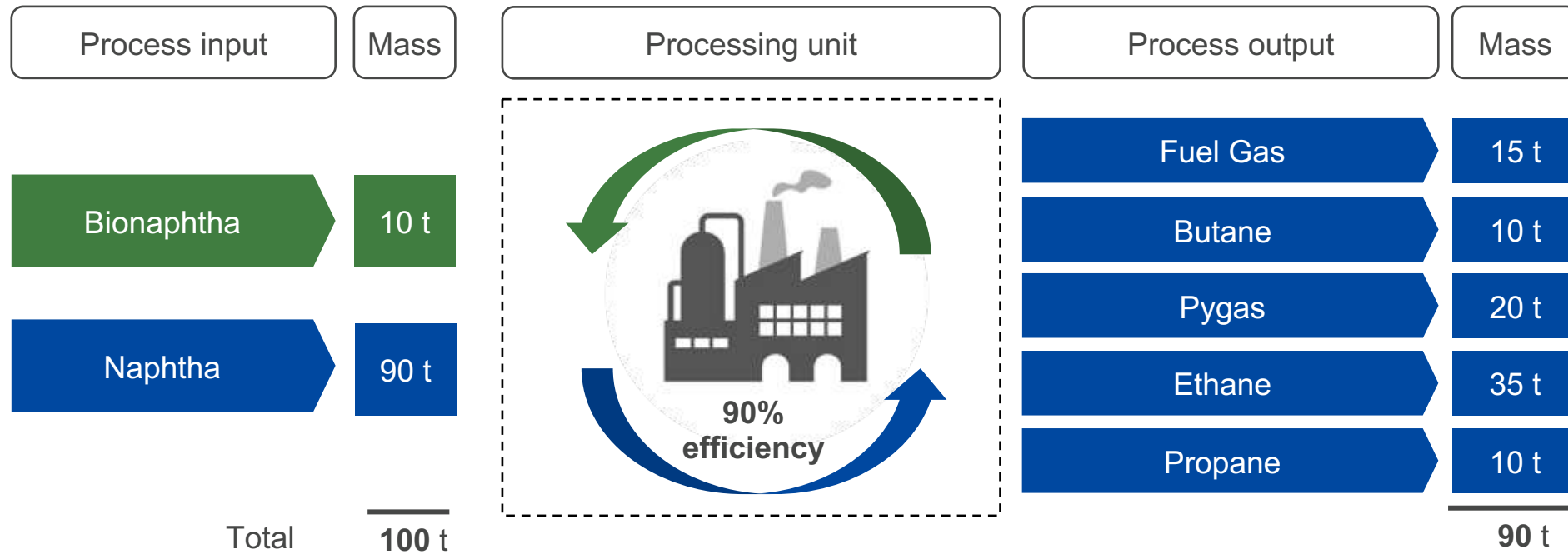
Overview on current mass balance options under ISCC PLUS

Option	Approach	Principle	EMA- White paper 
1 Mass Determination	Attribution Approach	Free attribution to one or several outputs	Mass allocation
2 Energetic Determination			LHV
3 Trace-the-Atom	Molecular Approach	Determination based on chemical reaction	Carbon counting
4 ¹² C/ ¹⁴ C Analysis	Measurement	Measurement of sustainable share	

Request for an additional attribution approach from ISCC Stakeholders – proportional attribution

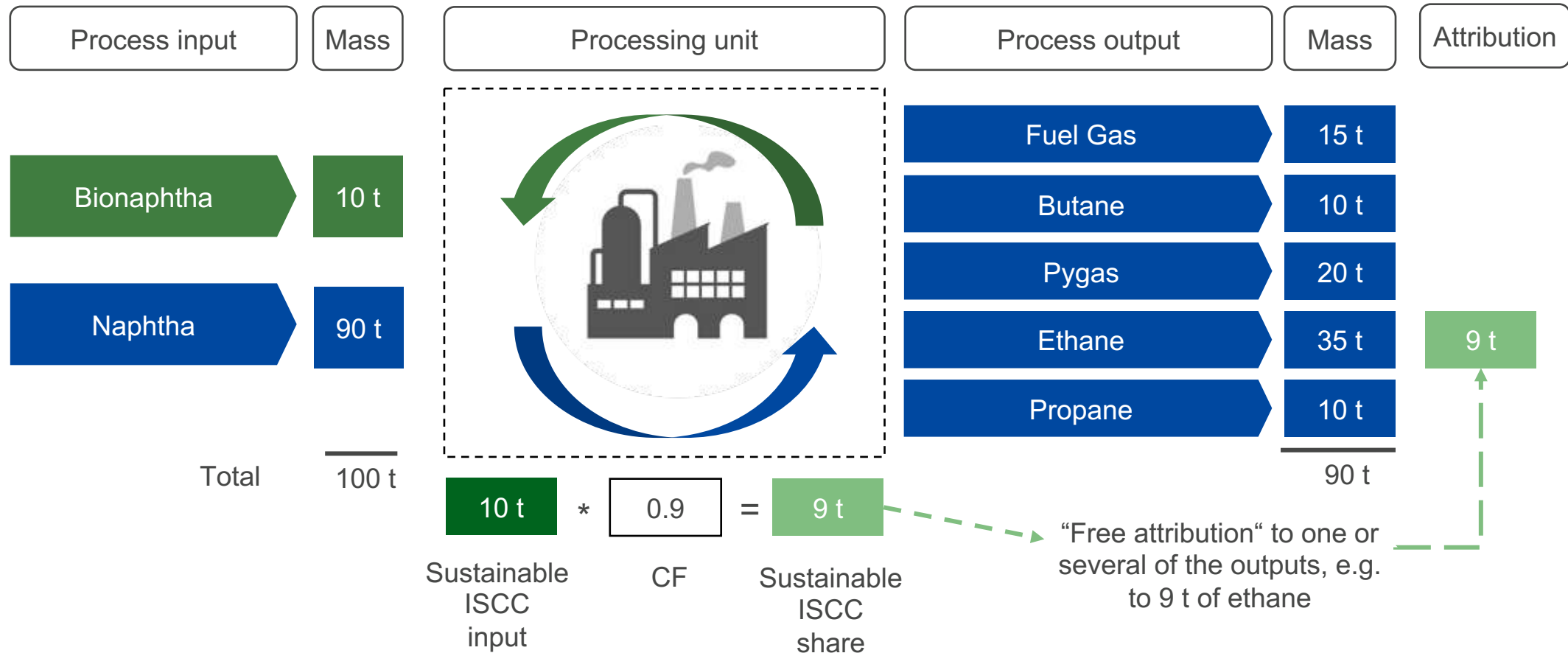
- Request from different stakeholders inter alia a major consumer electronics company
- This approach should be an additional option for ISCC system users
- No mandatory option

Example for a basic set up: Co-processing of ISCC certified bio-based and of fossil feedstock in a cracker

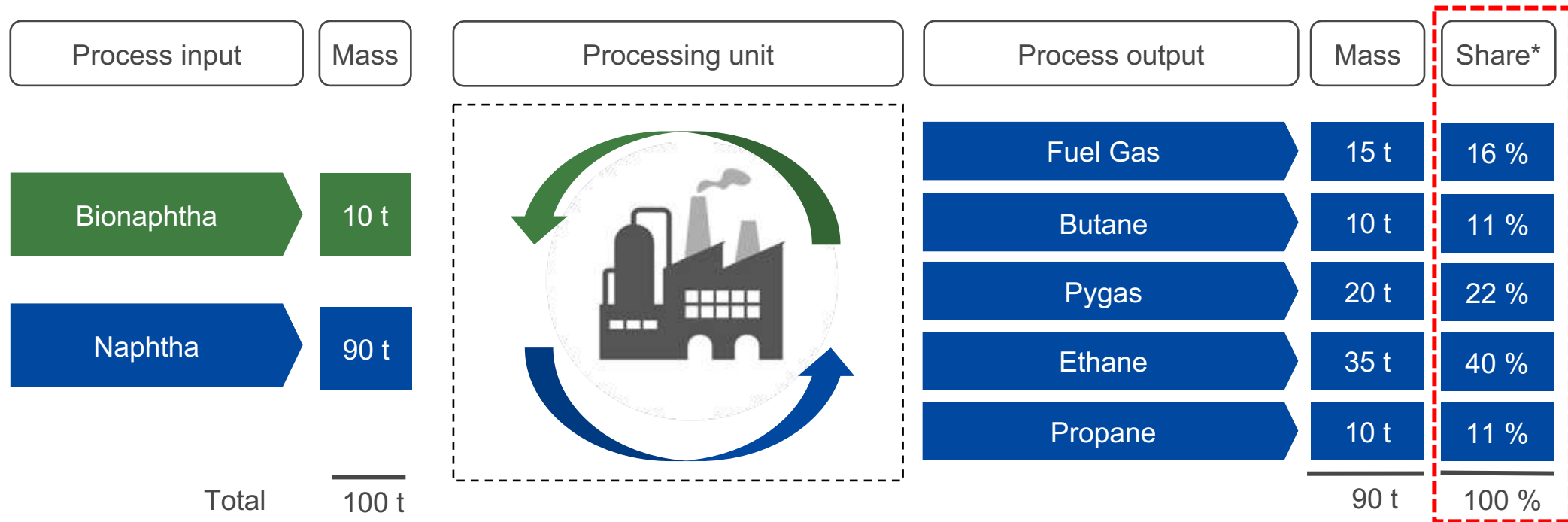


- Bionaphtha and fossil Naphtha are co-processed, leading to five different outputs. The bionaphtha is certified under ISCC
- The conversion factor (CF) of the process is calculated based on the mass of all process outputs divided through the mass (alternatively energetic value (MJ)) of all process inputs: **CF = 90 / 100 = 0.9**
- Multiplying the amount of sustainable input (10 t) with the conversion factor of the process (0.9), the "certified share" is being calculated. The "certified share" can be freely attributed to one or several process outputs
- Based on the free attribution approach, the respective amount of process output can be sold as "ISCC certified"

ISCC free attribution approach: The calculated ISCC certified share can be attributed to one or several process outputs

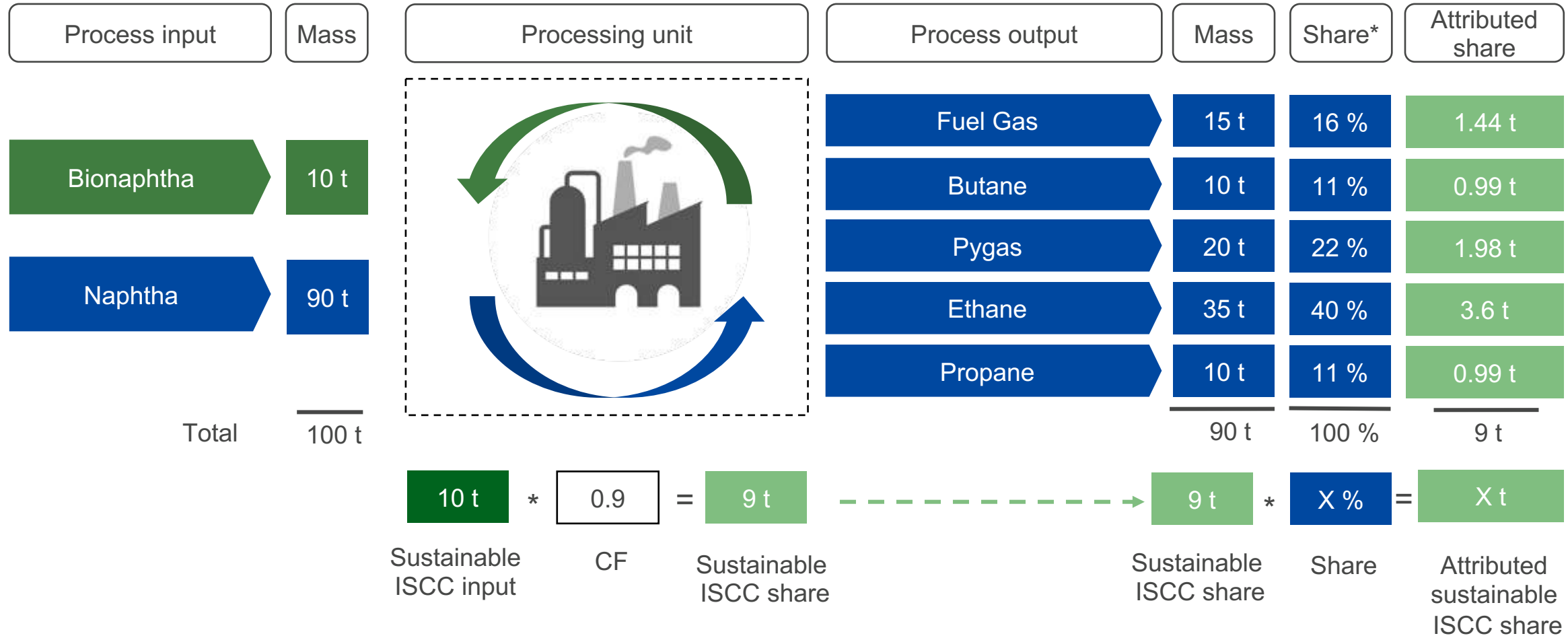


Proportional attribution: The calculated share reflects the proportional (measured) distribution of all (sustainable) input molecules to the outputs molecules

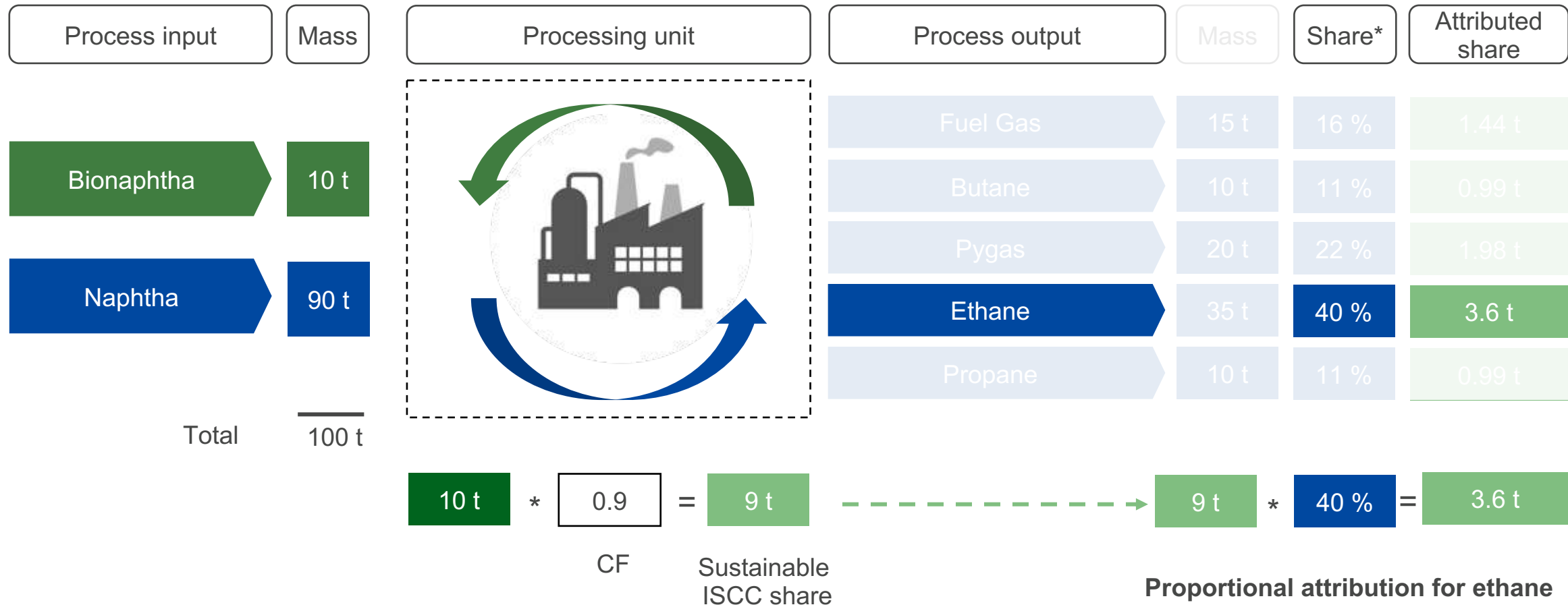


- The output share is calculated for each process output
- It is the proportionate (measured) share of the respective product in the total quantity of all products produced
- The share can be calculated based on the mass or on the energetic value (MJ) of all process inputs and outputs

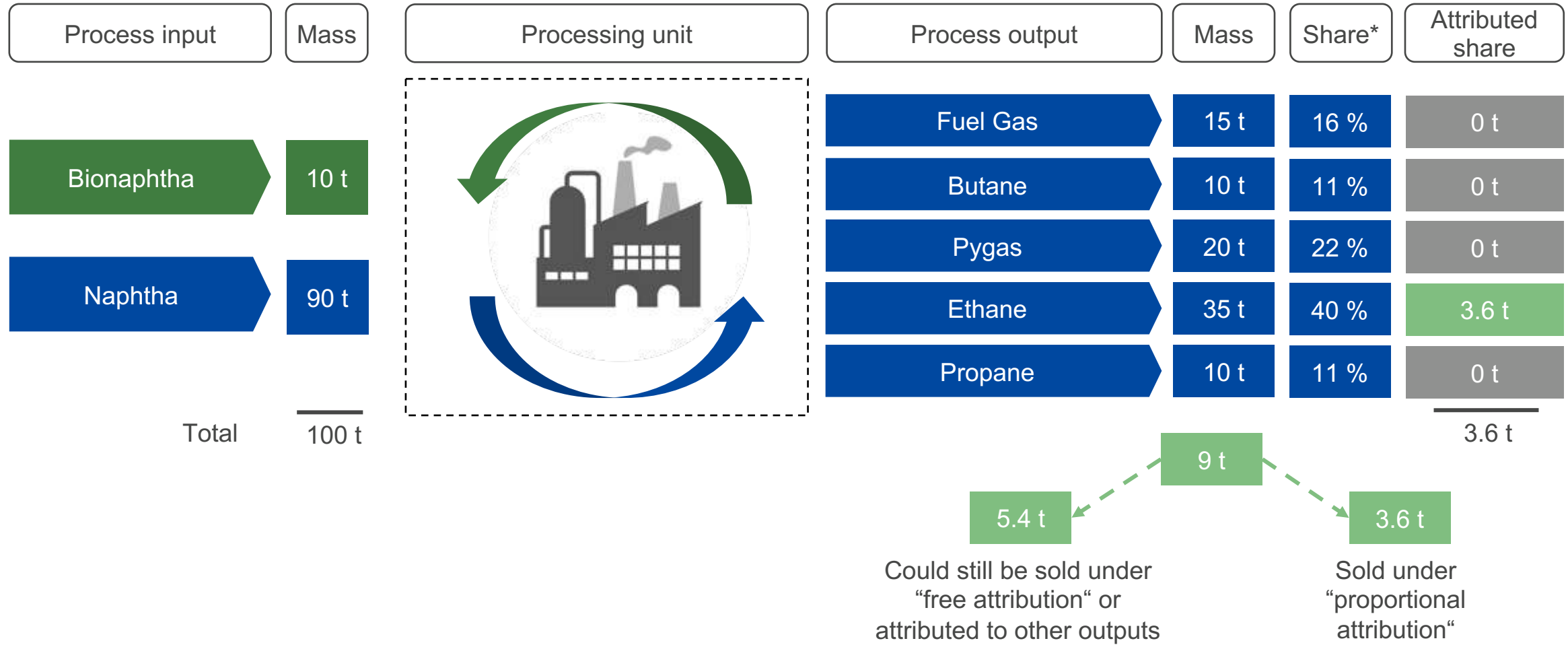
Proportional attribution: results in a “fixed” attribution of the ISCC certified input share to all outputs, based on their actual share on all process outputs



Proportional attribution – example ethane



If there are not sufficient customers for the proportional attribution, the rest can be sold under free attribution



How would the proportional approach being implemented under ISCC PLUS?

ISCC proposal for implementation

- The proportional approach can be combined with:
 - Option 1: Mass determination
 - Option 2: Energetic determination

- Information on proportional approach (e.g. for certain consignments and/ or for a specific period of time) must be communicated to the auditor and transparently documented in the mass balance

- Information on the proportional approach must be included on the ISCC Sustainability Declaration (box: additional information)



Thanks for your attention!

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ISCC System GmbH
info@iscc-system.org



Thank you for your
participation!

Discussion of Next Steps and Working Plan of TC

- Promoting acceptance of mass balance approach and chemical recycling
- Find recognition with authorities (e.g. recycling targets in UK)
- Update of ISCC PLUS Document (e.g. new feedstock categories, provision of country of origin)
- No direct implementation of proportional attribution at this point in time
- Potential development of practical certification approach for small scale companies such as printing houses or moulders
- Joint efforts to increase awareness of ISCC at end-consumers
- Developing marketing guidance with improved and more accessible claims
- Further work on licence scheme
- Integration of Circular and Bio Economy into next ISCC Impact Report
- Further support of stakeholder initiatives
- New ISCC PLUS Training (September 2020)
- Election of co-chairs
- Next meeting will be on 10 December 2020, virtual meeting