



POME Working Group

Workshop Results and Input for ISCC TC SEA, October 14, 2020
ISCC Systems GmbH

ISCC Southeast Asia POME Working Group

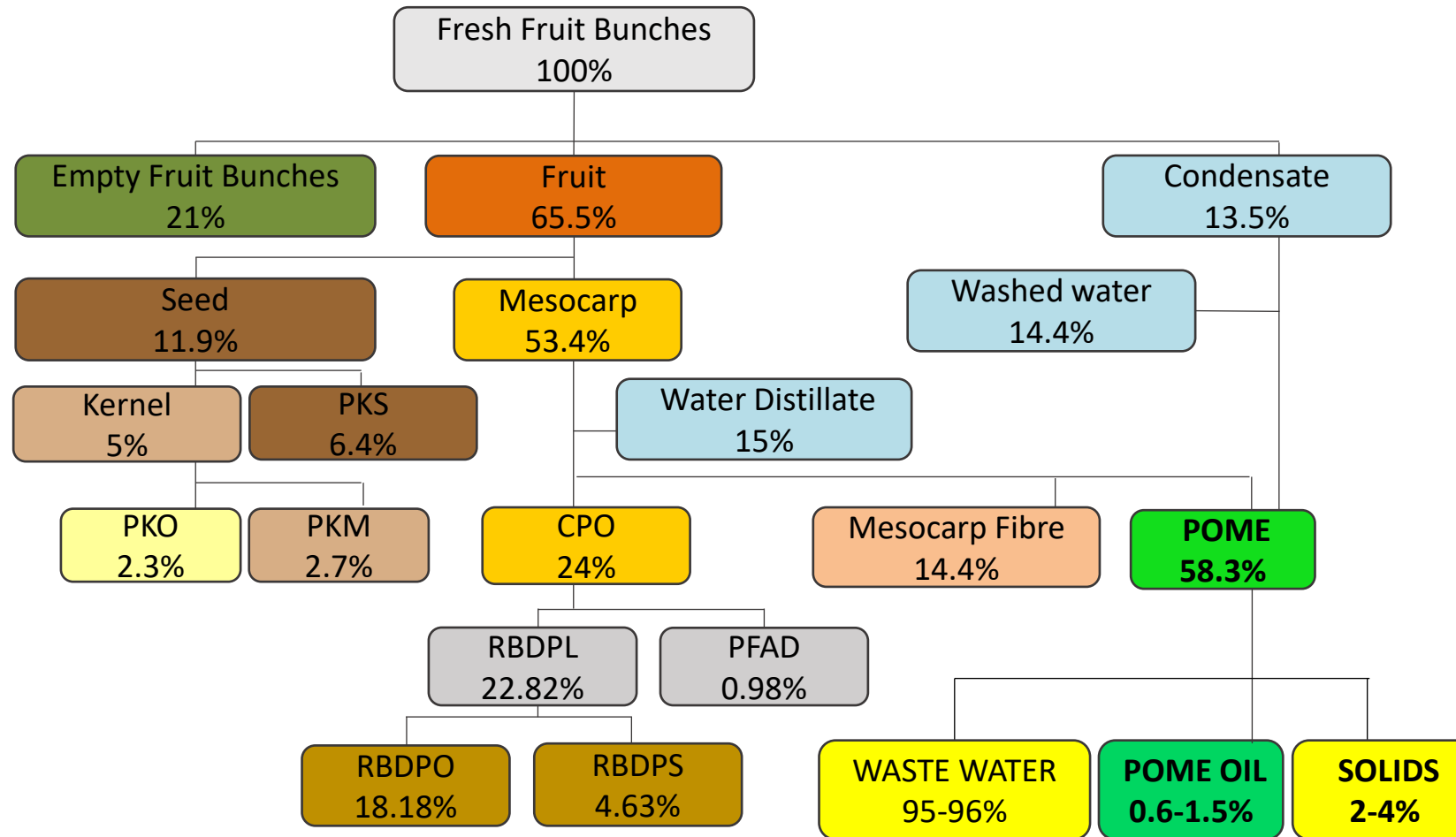
Background

Waste and residues such as palm oil mill effluent (POME) have become increasingly important in biofuels and the circular economy and combating climate change over recent years. A clear definition of POME and other wastes & residue from palm oil is needed. It is necessary to bring industry experts together in a working group to further clarify the scope of eligible materials and verification procedures.

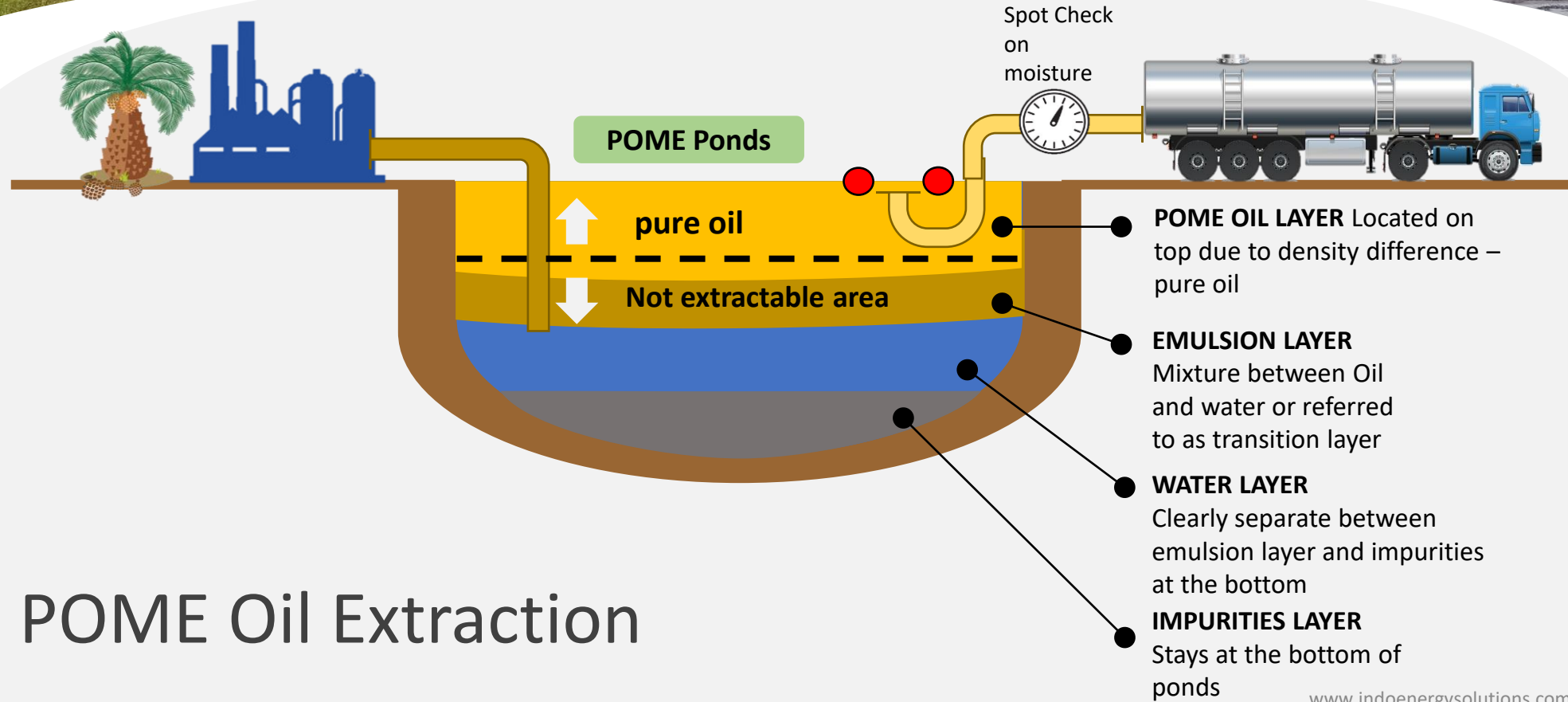
Objectives & Member Roles

1. Defining the various sub-products under the scope and point of origin of POME, sludge, empty fruit bunch (EFB) oil, secondary oil, crude palm oil (CPO) with high free fatty acids (FFA) etc.
2. Determining the various types of technology solutions for oil extraction.
3. Preparing a proposal of guidance for auditors for verification purposes to ensure accuracy.

Palm Oil Mill Effluent (POME)







POME Oil Extraction



Background (I)

- POME is listed in **Annex IX A** of the RED ("advanced") but the RED does not further specify or define POME
- In 2018, ISCC communicated a definition of POME in a system update:
 - POME „is a waste water/sludge arising at a palm oil mill during the palm oil production process. This **waste water is released to a system of ponds** (POME ponds). (...) the term **POME oil exclusively refers to oil that is skimmed off a so-called POME pond**“
- Following this system update, ISCC received feedback from the market, that the oil from POME may also be extracted prior to releasing the POME into the pond
- Based on this feedback, ISCC later specified that POME is „**usually**“ **released to open ponds**, indicating that also other pathways to extract the oil from POME are possible



Background (II)

- Information about POME communicated by ISCC created a misunderstanding in the market as to what type of material can be classified as POME (oil):
 - „oil extracted from POME is often referred to as „Palm Sludge Oil“ or „Sludge Palm Oil““ (ISCC list of materials)
 - „wording for POME oil in the market is not necessarily harmonized (other names used in the market include „Palm Sludge Oil“, „Sludge Palm Oil“, „Palm Acid Oil““ (ISCC waste online training)
- The term „sludge palm oil“ according to the MPOB refers to several different materials which do not qualify as POME oil (e.g. expired palm cooking oil or used palm cooking oil)
- The goal of the working group is, to determine what can and cannot be classified as POME and to find an appropriate **definition** under ISCC