

# PETCORE EUROPE

## Joint Scientific Studies and Innovation Projects

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Raphael Jaumotte – PETCORE EUROPE

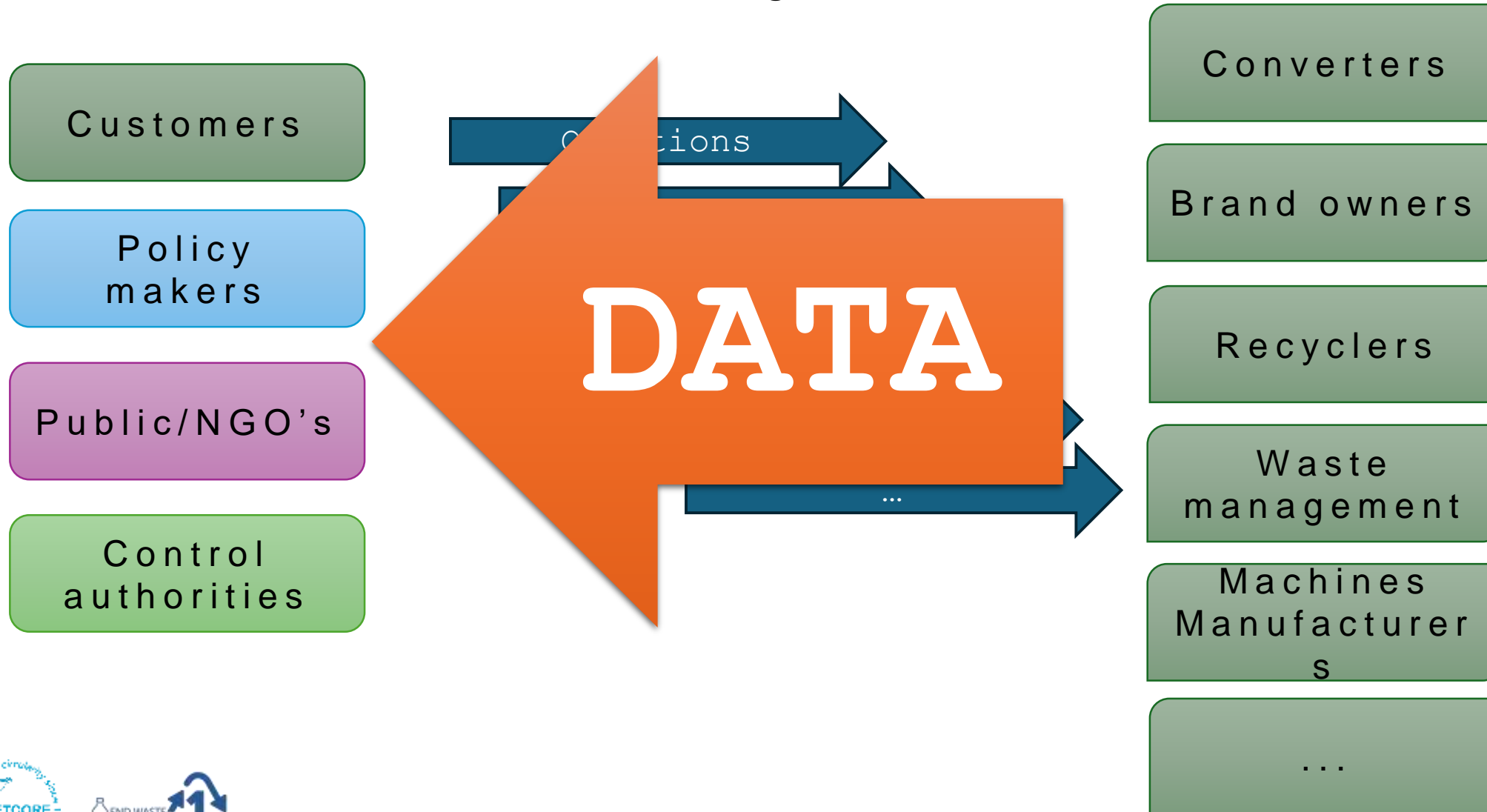


Bucharest-October 17th, 2024



# PETCORE EUROPE

Serving the Members



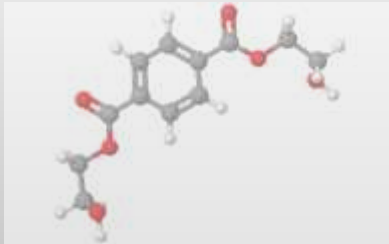
# 4 examples of supporting activities



LCA Platform



Thermoforms  
WG+Functional Barrier  
Consortium



BHET Consortium



NIAS and *Labs* Platform



Creating  
Industrial Intelligence



# Optimizing Food Contact Material testing via LABS

An innovative digital platform

Zsolt Puskas, General Manager, KÖR  
17<sup>th</sup> October, 2024



# About KÖR

## KÖR'S VISION

**KÖR** is a European **service provider for laboratory testing**, analysis, measurement and calibration activities.

KÖR aims to revolutionize the industrial laboratory services market, specializes in creating a **cloud-based platform – LABS** - that connect supply and demand in various industrial sectors.

**Services via the accredited Laboratory Network:** testing, analysis, measurement, validation, calibration.

**Industries:** automotive, aerospace, **chemical**, heavy transportation, rail, electronics.

## CORE EXPERTISE

1. **TIC:** Background in TIC industry
2. **SME:** Subject matter expertise in several technologies
3. **Vendor mgmt.:** Managing a vast network of certified, accredited laboratories
4. **Digitalization:** Development of secure, compliant online platform – LABS - for industrial testing/analysis/measurement and data management

*"We build collaborative platforms where manufacturers can efficiently solve any laboratory-related challenges. Through Industrial Intelligence and robust data management, we enable seamless cooperation across the value chain."*



# PETCORE EUROPE & KÖR

## The collaboration

PETCORE EUROPE has selected KÖR to:

- develop a digital platform and
  - manage the testing activities
- regarding P.E.T. Food Contact Materials.

The collaboration has started in August 2023.



### Introduction of Labs platform for Monitoring PET NIAS Accompany Letter

Working group NIAS of Petcore; Harmonized NIAS measurements - Offering Labs, KÖR's online platform for the PET value chain to harmonize compulsory measurements.

As Petcore Europe is representing already more than 170 members of the PET value chain, it has decided to create an online platform that offers supply and demand for harmonized NIAS measurements. The basis of the measurements was already set by the published guidelines for NIAS measurements<sup>1</sup> back in 2020. Trails of these measurements have been performed by taskforce which was presented on the Petcore Europe conference in 2023. The NIAS Working Group is responsible for organizing the introduction of this platform.

By the introduction of the new regulation for direct food contact applications EN 2022/1816, extra NIAS data are requested for the development of the novel technology but also for the monitoring of the suitable technology. The target of the platform is to create a harmonized concept which enables all members of the value chain to order PET NIAS measurements. The reports will be in a standard digital format which will facilitate the monitoring function of the various results in time. A special database function will be integrated which can be used to manage the monitoring function. As different reports and monitoring will be required 3 different Databases will be created individually have secured and limited access. These sub-platforms are the following:

- **Functional Barrier Group** (to facilitate the novel technology reporting to DG Sante and it's monitoring)
- **Depolymerization Working Group** (to facilitate the BHET reporting to DG Sante and it's monitoring)
- **Geni Group** (to facilitate the NIAS reports and monitoring of bottles and trays throughout the PET value chain)

For the demand of NIAS measurements all Petcore Europe members of these groups will be offered to contribute to use the Labs online platform.

For the supply of NIAS measurements, many laboratories are targeted to contribute to this platform as the required capacity and the today presented ones will require this. As the harmonization requires a validated level playing field, it is required that the different laboratories need to comply to base the monitoring of the results on a repeatable quality level. A proficiency test is required for the laboratories to secure the contribution of the results to this platform. We do understand that PET NIAS measurements can consist of targeted and non-targeted substances. The proficiency test will need to address both options to assure consistency in the results.

The Labs online platform is provided by KÖR ([www.kor-group.com](http://www.kor-group.com)), a company that has been selected to tailor-made their existing and proven, cloud-based supply and demand solution to all Petcore Europe Members. They need to be able to order NIAS measurements at various laboratories. As KÖR is working in a 17065 ISO and in a 27001 ISO environment, specific requests are needed to build the functionality of the platform. As Petcore Europe we seek the support and cooperation of facilitating information and opportunities to help building this harmonized concept of supply and demand for NIAS measurements.

Casper van den Dungen  
Chairman - NIAS Working Group

Martin Stephan  
Secretary General - Petcore Europe

Gyula Tóth  
CEO - KÖR

# The strategic partnership. The goal.

## Project Goals

### LAUNCHING A HARMONIZED TESTING PLATFORM

Develop a comprehensive platform that supports **Food Contact Material** related tests ensuring consistent quality across the PET Value Chain.

### DATA COLLECTION

Safe, secured database via LABS therefore reporting made easy towards authorities. Clients have access to their own historical data. Data security and accessibility acc. to ISO27001 requirements.

### STANDARDIZED REPORTING & COMPLIANCE

Implement standardized digital reporting formats to facilitate easy monitoring and compliance with EN 2022/1616 and other regulations.

### ACCREDITED LABORATORY NETWORK

Leverage KÖR's network of proficiency-tested, accredited laboratories to offer reliable and consistent testing services for PET (recycling) stakeholders.



# What was done so far





# The outcome

KÖR has built LABS, a **two-sided digital platform**, first especially tailored for **PETCORE EUROPE members' needs** to simplify & optimize **Food Contact Material Tests** via the PET Value chain.

Via LABS all PET value chain stakeholders are able to:

- to find the right testing partners,
- to order tests,
- to optimize laboratory costs,
- to have centralized results,
- to have standardized results,
- to support the reporting as per EU 2022/1616, EU 10/2011
- to have accessible and secured data



# PETCORE – Functional Barrier Mandatory Testing

MANDATORY

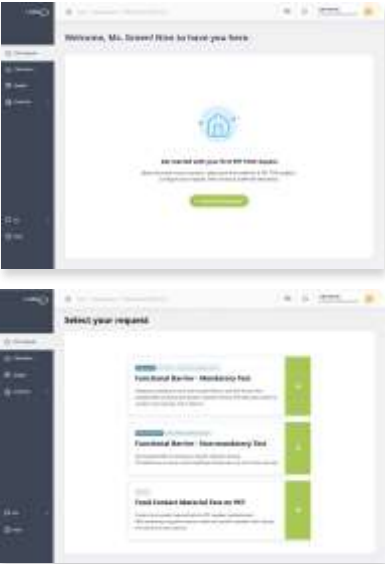
PETCORE

FUNCTIONAL BARRIER GROUP

### Functional Barrier - Mandatory Test

Mandatory testing and result sharing with Petcore, and with the EU. Non-targeted NIAS screening and specific migration testing. The laboratory sends the results to the customer and to Petcore.

➔



1.  
Place a new request



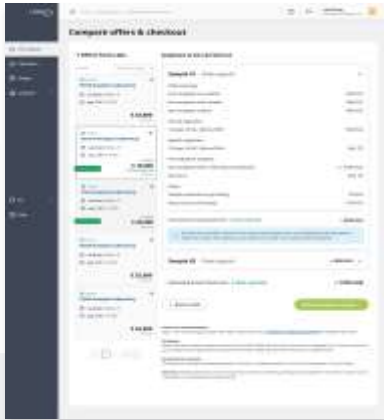
2.  
Provide sample details



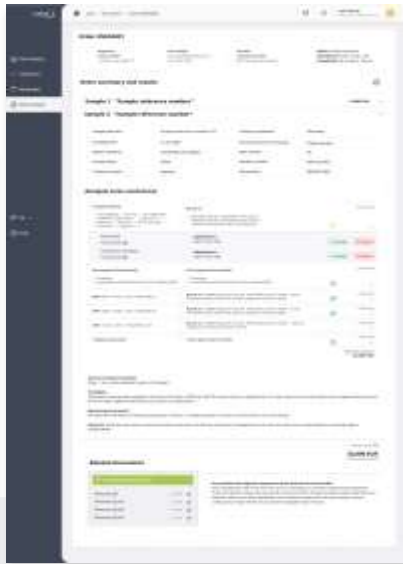
3.  
Check conducted tests



4.  
Select report type

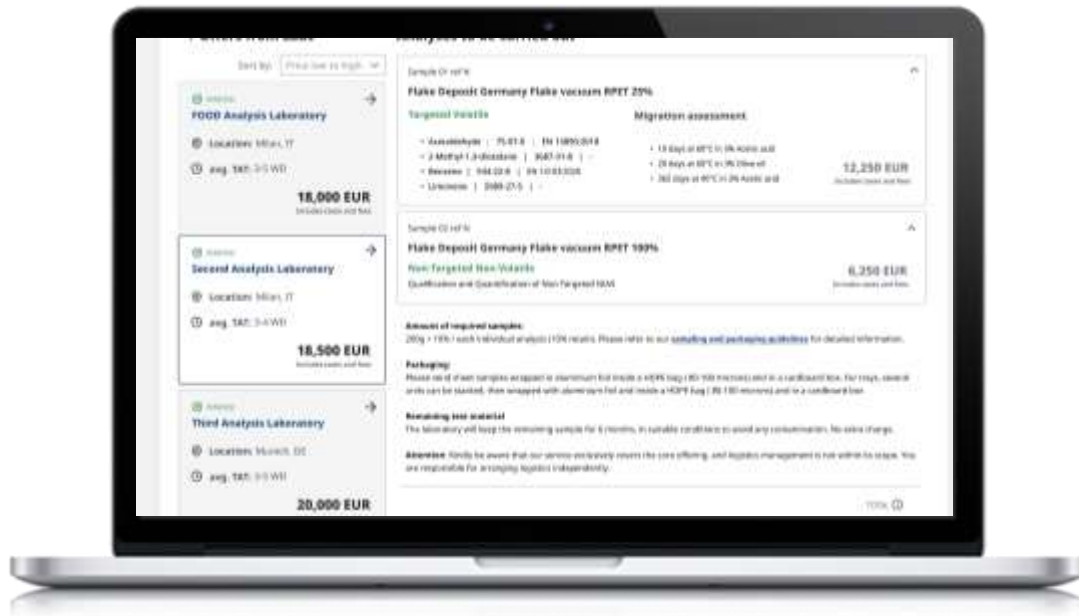


5.  
Compare offers and checkout



6.  
Monitor order status, accept or decline reports

# Main benefits of using LABS



- Easy and simplified test ordering
- Validated laboratories
- Industrial marketplace (Choice of offers)
- Traceability during testing
- Secured data management
- Reporting and analysis via big amount of testing data

# Benefits



Single gate service



Consistent tests, consistent reporting  
complying to EU regulations



Pre-selected, certified & validated  
independent laboratories



Standardized, good quality,  
comparable data network



Competitive test-prices with price comparison  
guaranteed



Saving cost & time to focus on  
core competencies



Data security and accessibility acc.  
to ISO27001 requirement



Technical support along your  
testing needs



# Thank you!

Zsolt Puskas, General Manager, KÖR

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