



GEneral **NI**as

Status update databank development

Petcore Europe Annual Conference
07-08 February 2024.



- Introduction
- Status of development
- Next steps
- Kör presentation
- Panel Q & A interview

What are the benefits of GEneral Nias ?

• Objectives

- Safeguard the FCM standards for PET
- Use the Obligatory Nias testing as input to collected data
- Centralise data on NIAS studies
- Monitor its development
- Track the trends on impact of RPET
- Identify potential specifics
- Risk assess the NIAS identified
- Give recommendation to the value chain to control NIAS development

• Scope

- The whole value chain
 - Virgin Resin Producers
 - Converters, Bottles & trays
 - Brand owners
 - Additives manufacturers
 - Machine manufacturers
 - Recyclers
 - Retailers

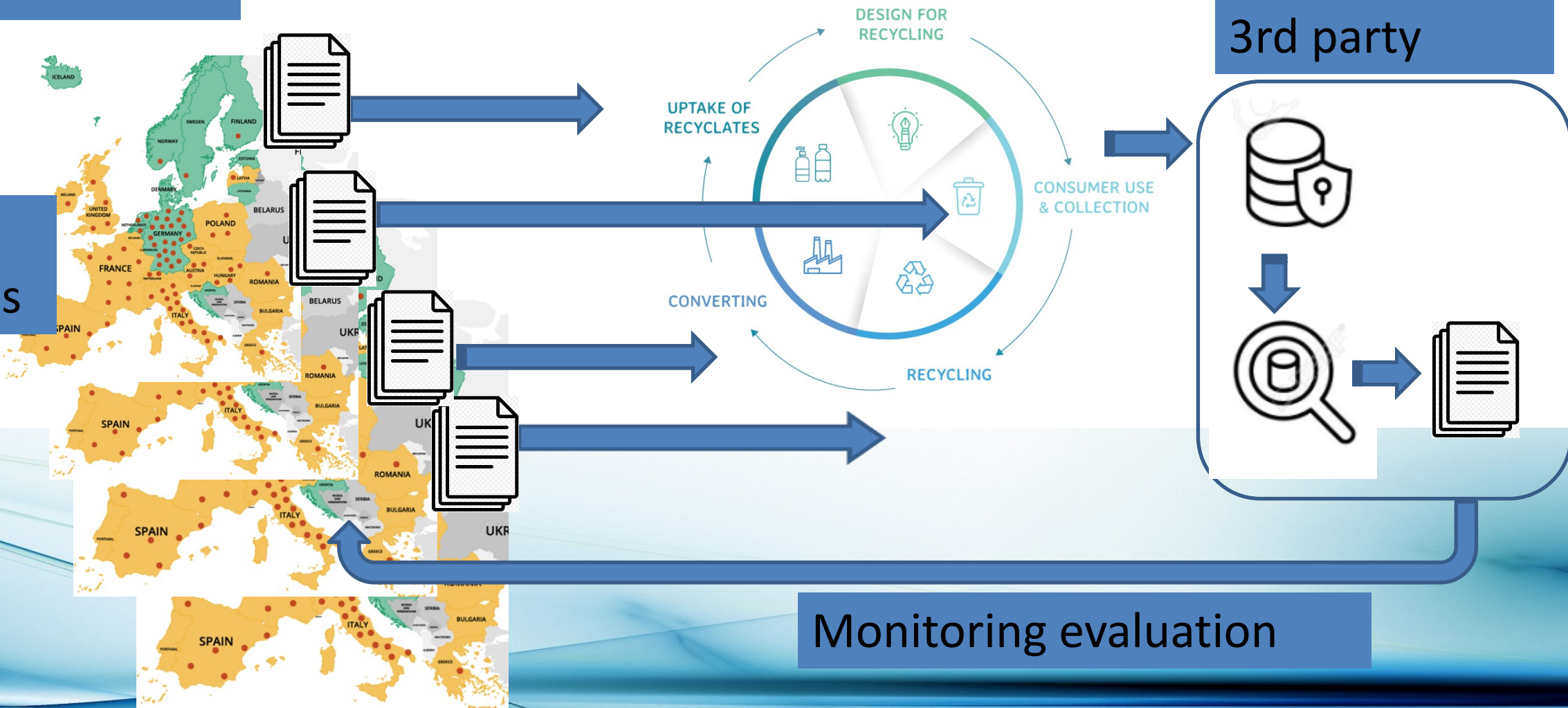
How does it look like?

Eu representation

Value chain contribution

NDA based
3rd party

Nias
reports



Monitoring evaluation

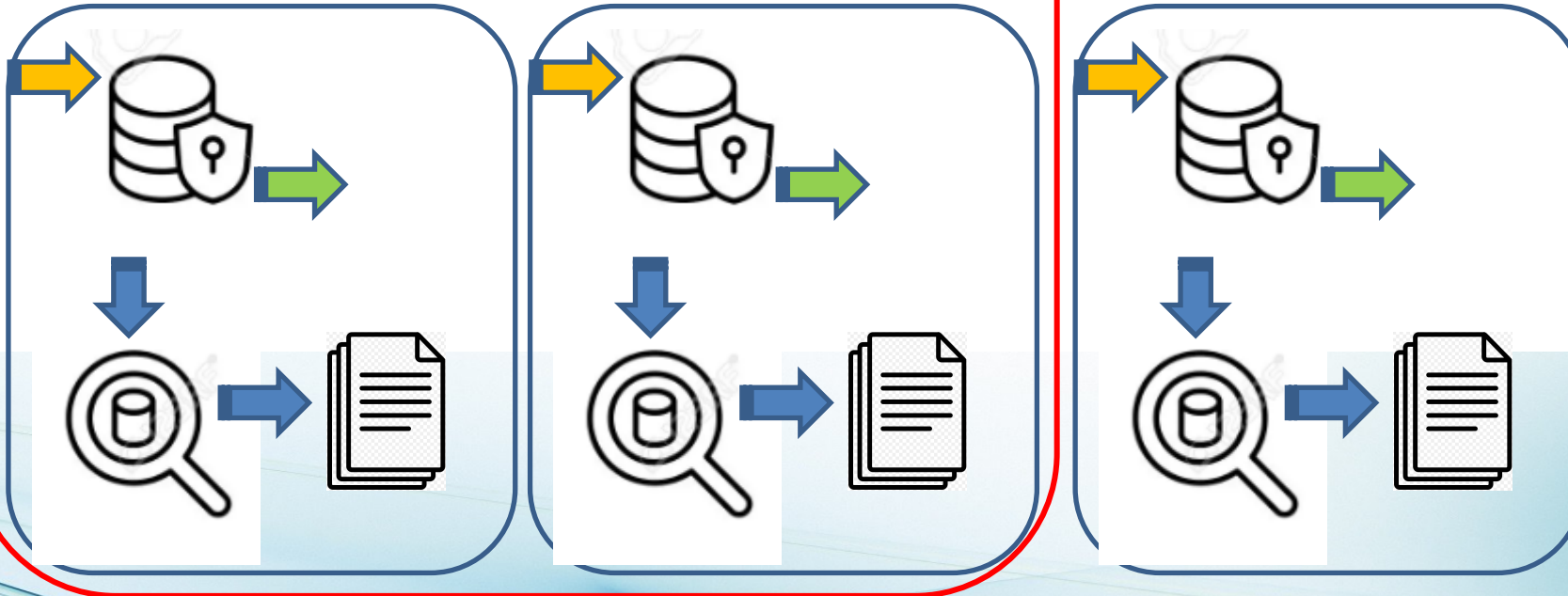
How does Labs platform look like?

PETCORE Labs for 3 identical usersgroups

Functional barrier group

BHET group

Geni group



Monitoring reporting and evaluation according own requirements

How does Labs platform look like?

PETCORE Labs for 3 identical usersgroups

Functional
barrier group

BHET group

Geni group

Started
in 2023

Start
in
2024,
TBC

Start
in
2024,
TBC

- 2023

- Define scope of work
- Work flow structure is created
- 3rd party work package is defined
- Select 3rd based on offers
- Run trials data collection of Nias reports
- Create reference list of preferred laboratories

- 2024

- Evaluate and adapt workpackage, Functional barrier
- Secure governance of operation
- Launch active data collection
- Monitor developments
- Evaluate, assess & report as needed
- Introduce BHET and Geni Group

Next steps

- Today
 - Present Functional Barrier experience
 - Collect feedback from our conference questionnaire
- 2024
 - Improve awareness, increase value chain interaction
 - Organise webinar to update Nias Guidelines methods
 - Complete the Nias analysis program for value chain
 - VoC, S- &-N-VoC, as screening and targeted option
 - Migration options, OM & SM
 - Communicate the introductions date new usergroups
 - Organise webinar to facilitate onboard Platform use



THANK YOU !

Petcore Europe

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Follow us on social media to stay updated:





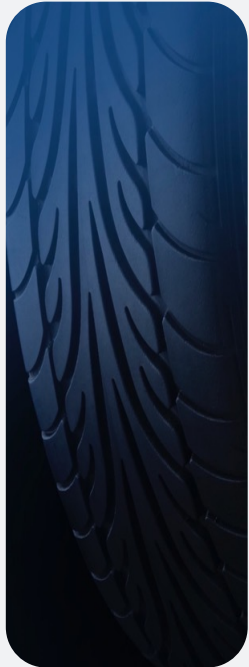
Creating
Industrial Intelligence

NIAS and KÖR

Petcore Europe Annual Conference

07-08 February 2024.

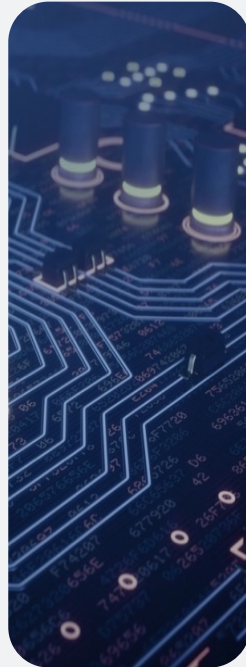
KÖR



Automotive



Heavy & other transportation



Electronics



Chemical
Petrochemical

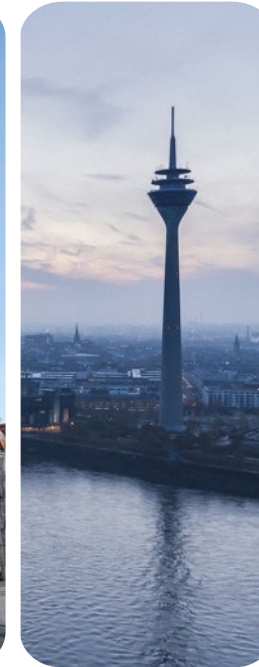


Plastics
Polymers



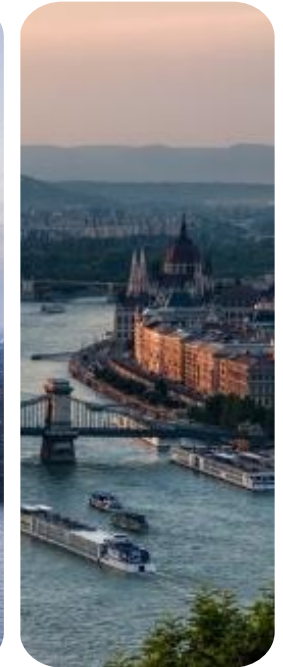
2020

KÖR Group
Foundation



2021

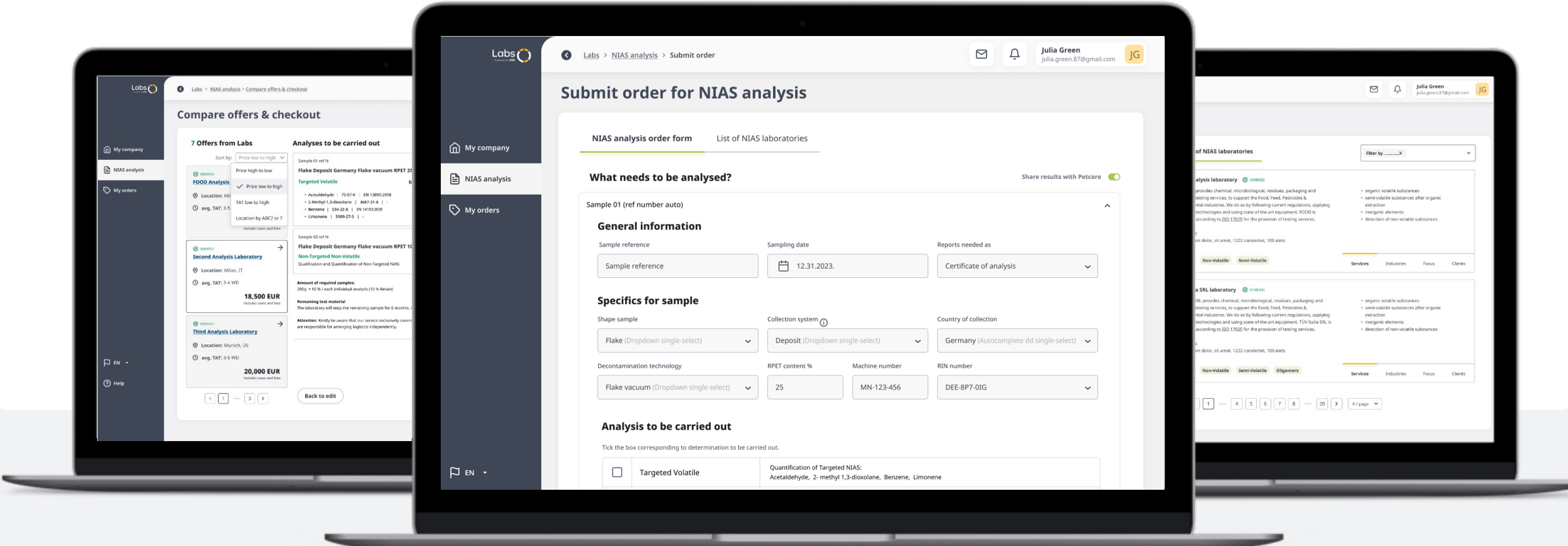
KÖR
Innovations
Germany
GmbH
established



2022

KÖR acquires
TPM (TRIGO
Precision
Measurement)

Why Labs?



Labs **NIAS analysis** > Submit order

Julia Green
julia.green.87@gmail.com

Submit order for NIAS analysis

NIAS analysis order form | List of NIAS laboratories

Share results with Petcore

Sample 01 (ref number auto)

General information

Sample reference	Sampling date	Reports needed as
<input type="text" value="Sample reference"/>	<input type="text" value="12.31.2023."/>	<input type="text" value="Certificate of analysis"/>

Specifics for sample

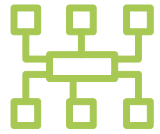
Shape sample	Collection system	Country of collection	
<input type="text" value="Flake (Dropdown single-select)"/>	<input type="text" value="Deposit (Dropdown single-select)"/>	<input type="text" value="Germany (Autocomplete dd single-select)"/>	
Decontamination technology	RPET content %	Machine number	RIN number
<input type="text" value="Flake vacuum (Dropdown single-select)"/>	<input type="text" value="25"/>	<input type="text" value="MN-123-456"/>	<input type="text" value="DEE-8P7-0IG"/>

Analysis to be carried out

Tick the box corresponding to determination to be carried out.

<input type="checkbox"/>	Targeted Volatile	Quantification of Targeted NIAS: Acetaldehyde, 2-methyl 1,3-dioxolane, Benzene, Limonene
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Working with KÖR you will have benefits



Single gate service complying to Petcore Europe



Standardized, good quality data and reporting



Saving cost & time to focus on core competencies



KÖR servers are based in Europe.



Wide laboratory network competitive test-prices guaranteed



Accredited and Certified Laboratories



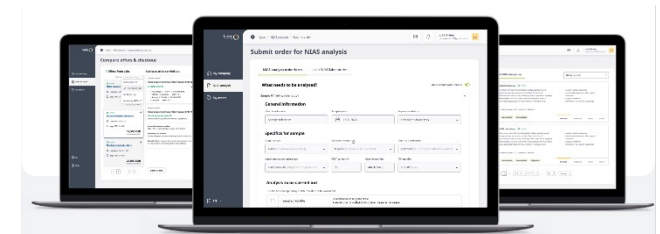
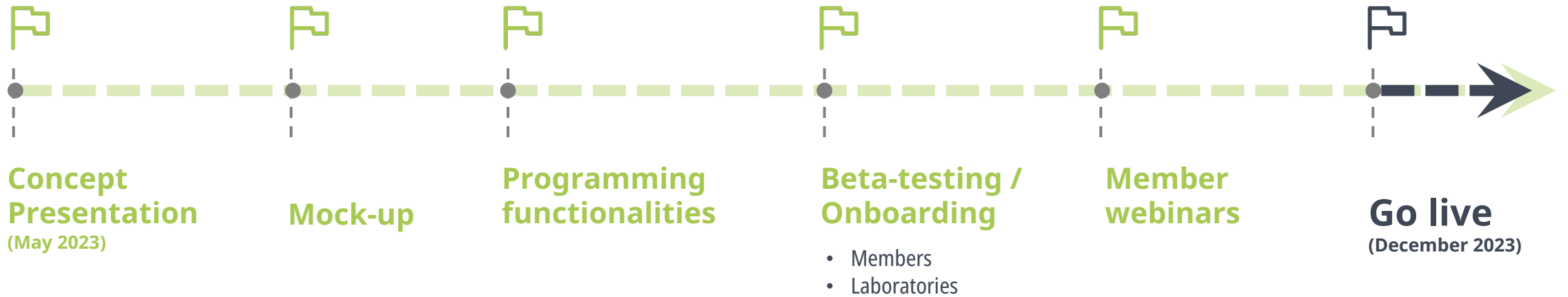
Data security and accessibility acc. to ISO27001 requirements



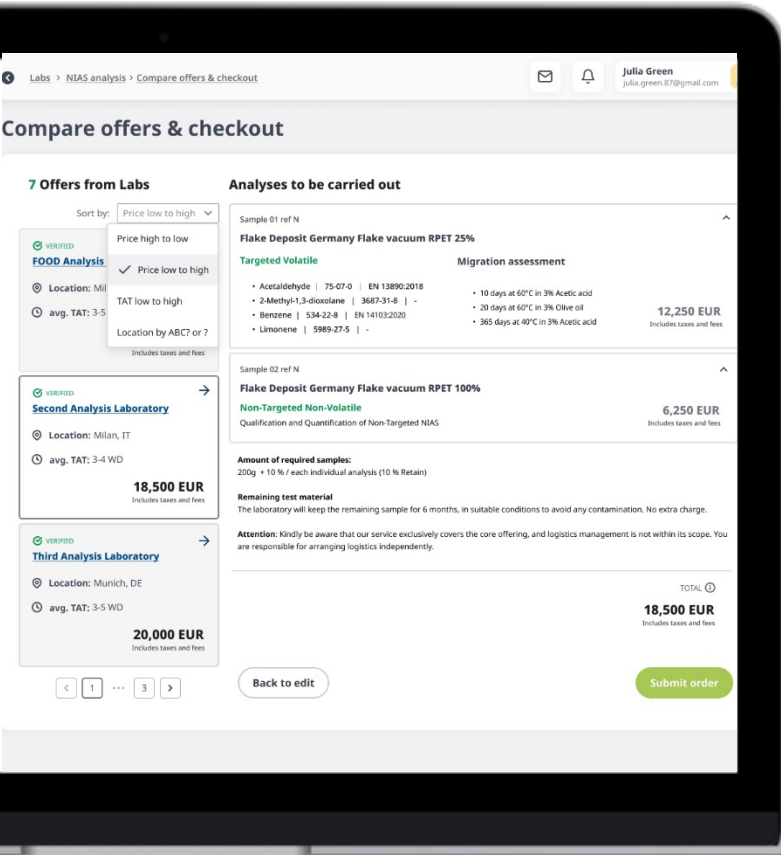
Technical support along your testing needs

Labs

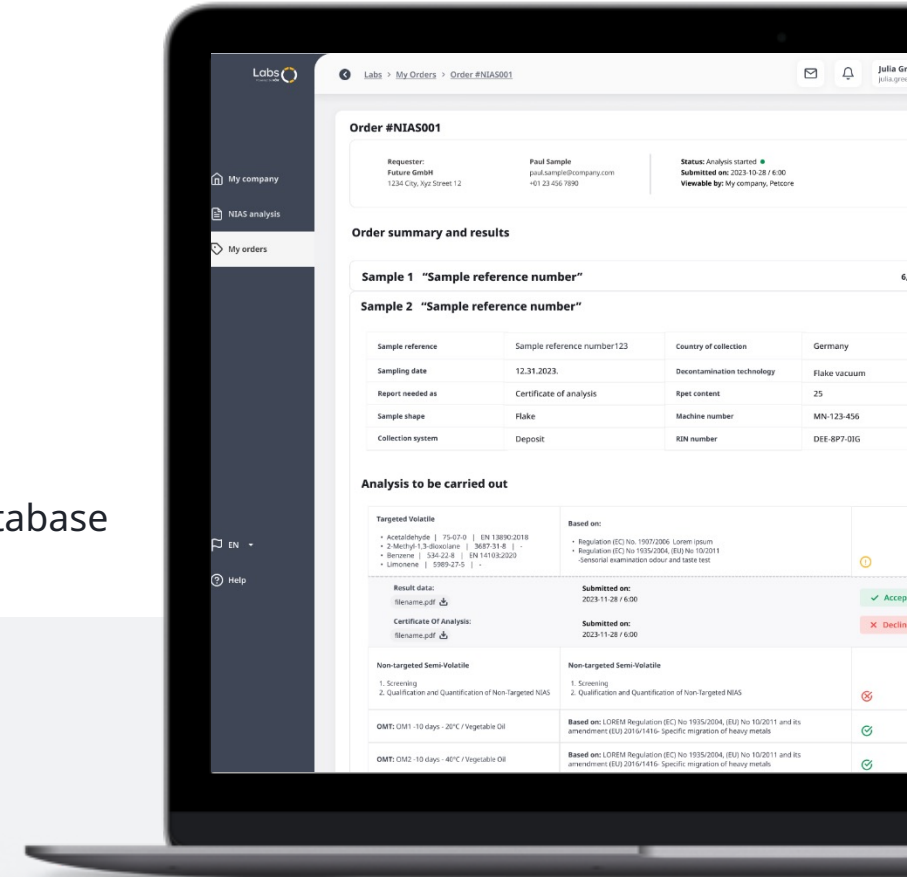
A platform that provides clients with control




The Purpose



- Find the right testing partner
- Performing testing
- Streamlined process from order to data reporting
- Comparable data
- Data intelligence
- Novel technology reporting - secured database



Submit order for NIAS analysis

 We are constantly updating the list of laboratories we work with. If you are missing a laboratory from the list, please get in touch at support@kor-group.com.

NIAS analysis order form List of NIAS laboratories

Share results with Petcore

What needs to be analysed?

What type of analysis needed?

Sample 01 ✕

General information

Sample reference <input type="text"/>	Sampling date <input type="text" value="mm / dd / yyyy"/>	Reports needed as <input type="text" value="Result sheet only"/>
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Specifics for sample

Sample shape <input type="text" value="Flake"/>	Collection system <input type="text" value="Deposit"/>	Country of collection <input type="text" value="Austria"/>
Decontamination technology <input type="text" value="None"/>	iPET content % <input type="text"/>	Machine number <input type="text"/>
		RIN number <input type="text"/>

Analysis to be carried out

Tick the box corresponding to determination to be carried out

<input type="checkbox"/>	Targeted Volatile (coming soon)	Quantification of targeted volatile NIAS • Targeted substance list TBD.
<input type="checkbox"/>	Non-Targeted Volatile	Qualification and semi-quantification of non-targeted volatile NIAS
<input type="checkbox"/>	Targeted Semi- Volatile (coming soon)	Quantification of targeted semi-volatile NIAS • Targeted substance list TBD.
<input type="checkbox"/>	Non-Targeted Semi-Volatile	Non-targeted semi-quantification of semi-volatile NIAS
<input type="checkbox"/>	Targeted Non- Volatile (coming soon)	1. Screening and 2. qualification and quantification of targeted non-volatile NIAS • Targeted substance list TBD.
<input type="checkbox"/>	Non-Targeted Non-Volatile	Qualification and non-targeted semi-quantification of non-volatile NIAS
<input type="checkbox"/>	Oligomers (coming soon)	Quantification of oligomers

 Add more sample  Duplicate sample

Any remarks that might be important to share with the service provider

[See offers](#)

Sample 01

General information

Sample reference

MVP012

Sampling date

01 / 16 / 2024

Reports needed as

Result sheet only

Specifics for sample

Sample shape

Flake

Collection system

Deposit

Country of collection

Austria

Decontamination technology

None

rPET content %

25

Machine number

RIN number

MVP_123

Analysis to be carried out

Tick the box corresponding to determination to be carried out

<input type="checkbox"/>	Targeted Volatile (coming soon)	Quantification of targeted volatile NIAS • Targeted substance list TBD.
<input checked="" type="checkbox"/>	Non-Targeted Volatile	Qualification and semi-quantification of non-targeted volatile NIAS
<input type="checkbox"/>	Targeted Semi- Volatile (coming soon)	Quantification of targeted semi-volatile NIAS • Targeted substance list TBD.
<input checked="" type="checkbox"/>	Non-Targeted Semi-Volatile	Non-targeted semi-quantification of semi-volatile NIAS
<input type="checkbox"/>	Targeted Non- Volatile (coming soon)	1. Screening and 2. qualification and quantification of targeted non-volatile NIAS • Targeted substance list TBD.
<input checked="" type="checkbox"/>	Non-Targeted Non-Volatile	Qualification and non-targeted semi-quantification of non-volatile NIAS
<input type="checkbox"/>	Oligomers (coming soon)	Quantification of oligomers

[+ Add more sample](#)

[Duplicate sample](#)

Order checkout

9 Offers from labs

Sort by: Price low to high

VERIFIED
Pack-Co S.r.l.
Location: Milano, IT
€ 1.100,00
Includes taxes and fees

VERIFIED
J.S. Hamilton Poland Sp. z o.o.
Location: Gdynia, PL
avg. TAT: 20 WD
€ 1.100,00
Includes taxes and fees

VERIFIED
Ecol Studio S.p.A.
Location: Lucca, IT
€ 1.100,00
Includes taxes and fees

Analysis to be carried out

Sample 1 MvP012

Flake Deposit AT Fb x1 25.0%	Overall Migrations
Non-Targeted Volatile	Specific Migrations
Non-Targeted Semi-Volatile	
Non Targeted Non-Volatile	

€ 1.100,00
Includes taxes and fees

Sample 2 MvP 012

Tray Deposit AT Fb x1 25.0%	Overall Migrations
Non-Targeted Volatile	Specific Migrations
Non-Targeted Semi-Volatile	
Non Targeted Non-Volatile	

€ 1.100,00
Includes taxes and fees

Amount of required samples:
200g + 10 % / each individual analysis (10 % Retain)
Please refer to our [sampling and packaging guidelines](#) for detailed information.

Remaining test material:
The laboratory will keep the remaining sample for 6 months, in suitable conditions to avoid any contamination. No extra charge.

Attention:
Kindly be aware that our service exclusively covers the core offering, and logistics management is not within its scope. You are responsible for arranging logistics independently. When you view a submitted order, you will be able to see the selected laboratory's address where the delivery should be made.

Support:
If you run into any issues or have feedback, please reach out to [Labs customer support](#), and we are happy to assist

 My company

 Calibration

 My Gauges

 NIAS analysis

 Help

Version v1.273

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Order confirmed



Thank you for your request

Our partner laboratory is dedicated to providing a prompt response. They will review and confirm your order within five working days. You will be notified once your order is confirmed.

[View orders](#)

My company

Calibration

My Gauges

NIAS analysis

Help

Version v1.273

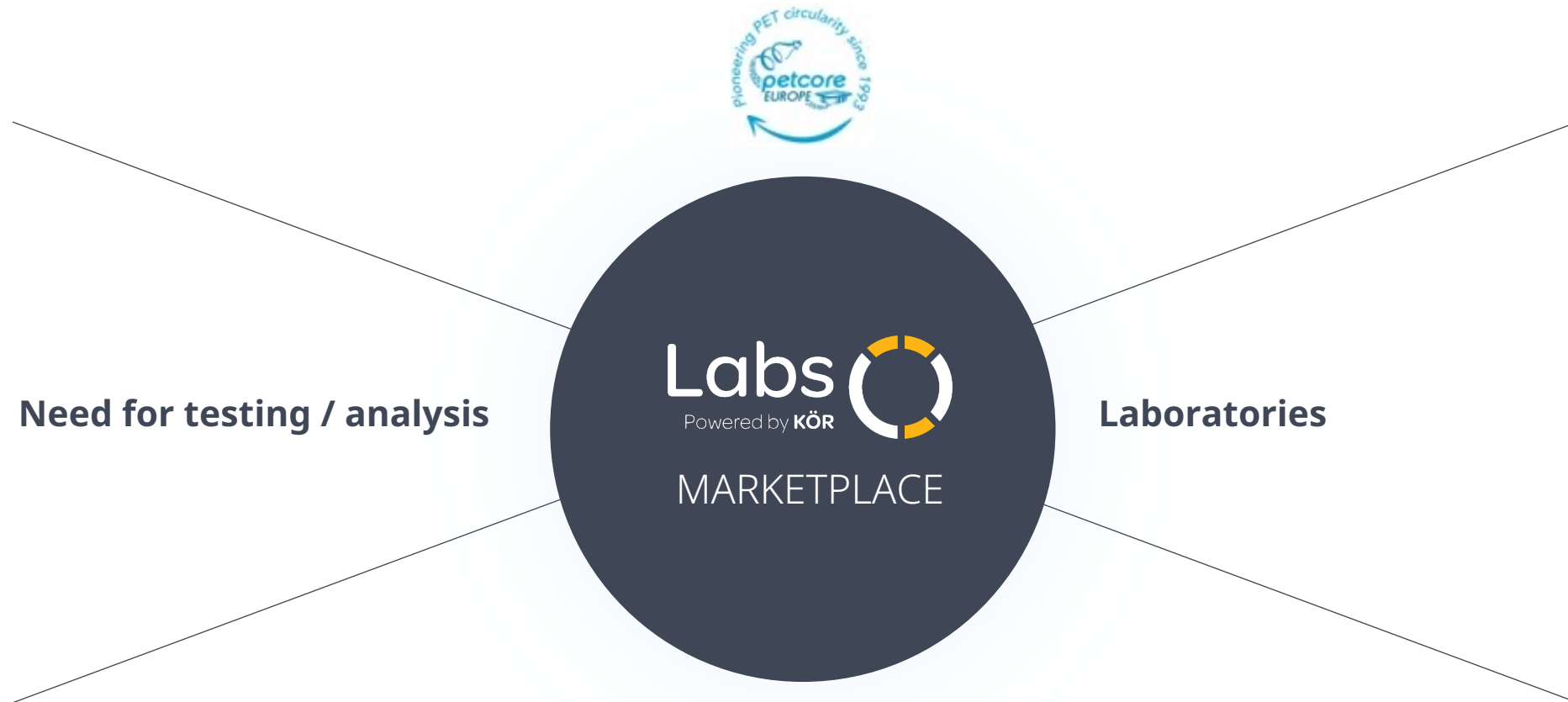
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NIAS requests

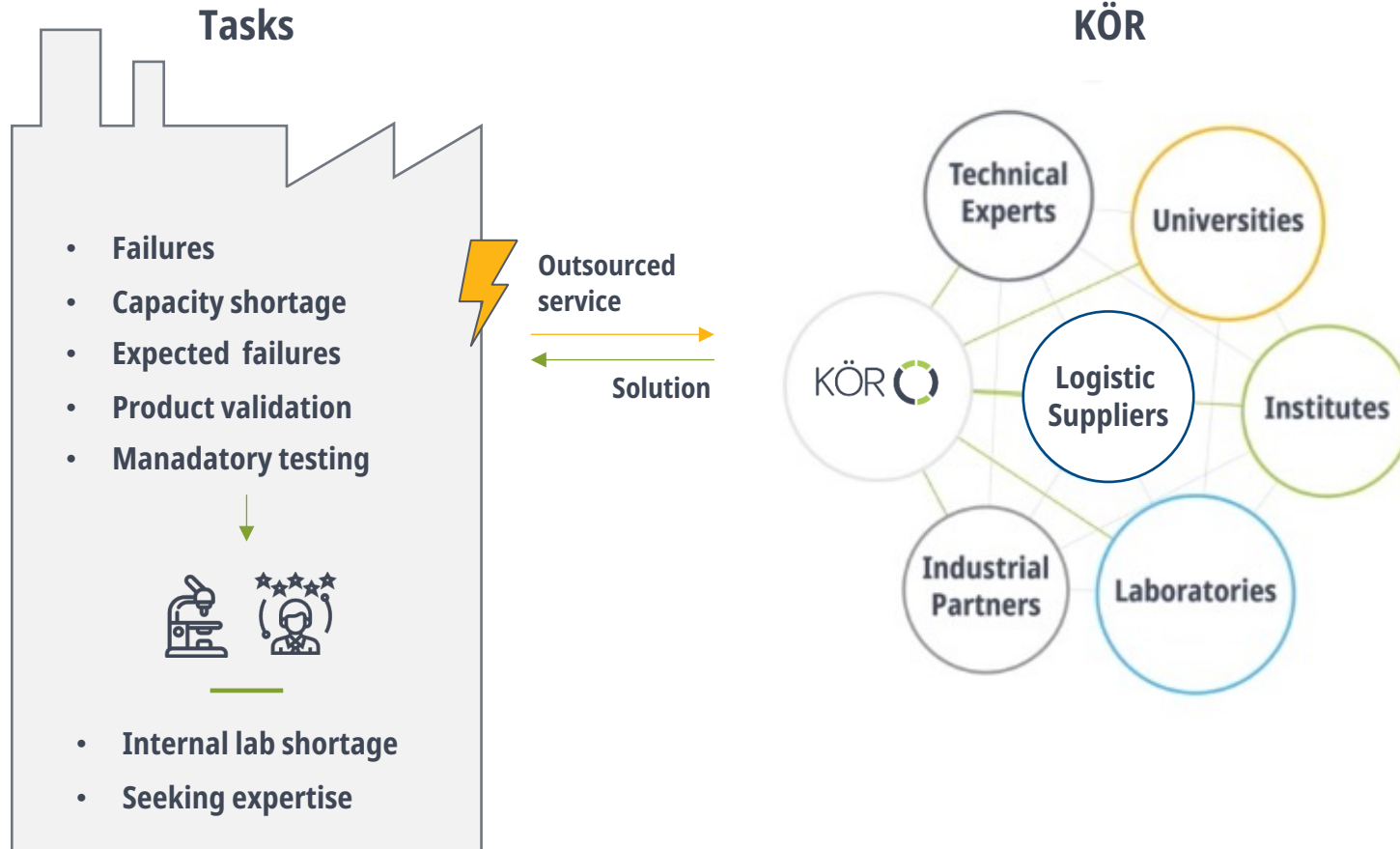
[+ NIAS request](#)

Request ID	Status	Submitted on	Viewable by	Delivery report status	...
RPET-595676	● Order confirmation pending	2024-01-16 14:51	the MVP company, Petcore FB	—	...
RPET-596376	● Draft	2024-01-09 09:05	the MVP company, Petcore FB	—	...
RPET-032419	● Draft	2024-01-09 09:05	the MVP company, Petcore FB	—	...
RPET-284103	● Draft	2023-12-21 08:29	the MVP company, Petcore FB	—	...
RPET-641658	● Draft	2023-12-21 08:27	the MVP company, Petcore FB	—	...
RPET-169084	● Draft	2023-12-21 08:26	the MVP company, Petcore FB	—	...
RPET-370160	● Draft	2023-12-20 15:33	the MVP company, Petcore FB	—	...
RPET-852230	● Draft	2023-12-20 15:30	the MVP company, Petcore FB	—	...
RPET-598176	● Draft	2023-12-20 10:59	the MVP company, Petcore FB	—	...
RPET-859930	● Draft	2023-12-15 10:21	the MVP company, Petcore FB	—	...
RPET-167984	● Draft	2023-12-11 15:41	the MVP company, Petcore FB	—	...
RPET-379260	● Analysis started	2023-12-11 14:58	the MVP company, Petcore FB	—	...
RPET-854430	● Draft	2023-12-11 14:40	the MVP company, Petcore FB	—	...
RPET-918922	● Draft	2023-12-11 12:40	the MVP company, Petcore FB	—	...
RPET-283403	● Draft	2023-12-08 09:43	the MVP company, Petcore FB	—	...
RPET-038019	● Draft	2023-11-27 17:26	the MVP company, Petcore FB	—	...

How the connection works



Sharing Economy



- Sharing economy:
 - Better utilization
 - Cost, capacities
 - CAPEX
- Connecting interdisciplinary "teams" and organizations
- Opening possibilities never thought about
- Knowledge sharing

The future is interactive

FOR CUSTOMERS

- Customer price agreements with Laboratories will be available in Labs.
- Label printing with QR code for sample shipment.
- Post-work feedback and laboratory rating
- Advanced order editing functions: revoke or edit after submit
- More specific information about laboratories
- Better email notification system
- User experience improvements

User feedback



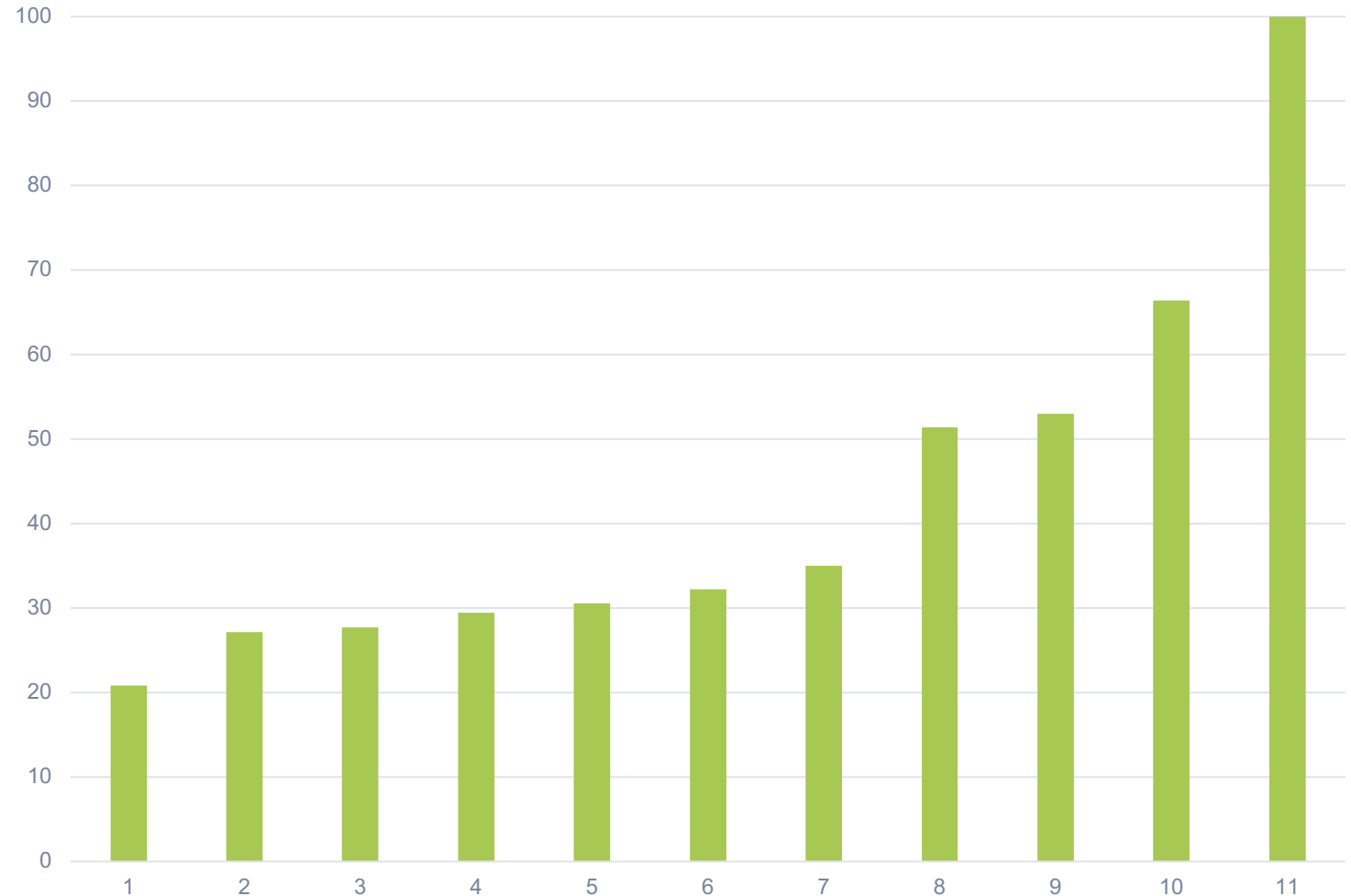
FOR LABORATORIES

- More dynamic pricing function:
 - prices will be changeable by labs anytime to follow pricing trends
 - custom prices will be available for handling discounts and other special price agreements
- QR code generation with sample data, and label printing
- Post-work feedback and laboratory rating
- More specific information about laboratories' turn-around times
- Advanced order editing functions: revoke or edit after submit
- Better email notification system
- User experience improvements

Laboratories

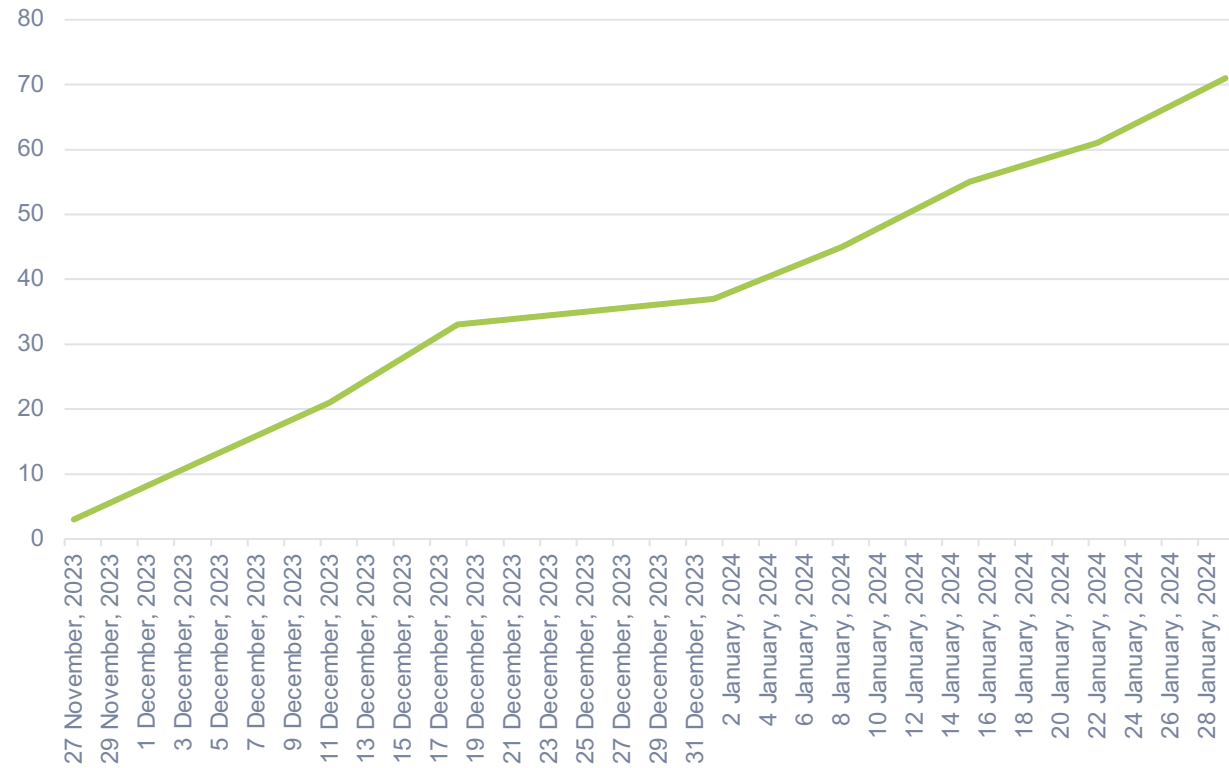
- ✓ ISO/IEC 17025 Accreditation
- ✓ Worked already with Petcore Europe members
- ✓ Capability checked
- >80 Laboratories identified (Europe)
- Proficiency test as final proof

Prizespan Laboratories per mandatory tests FB

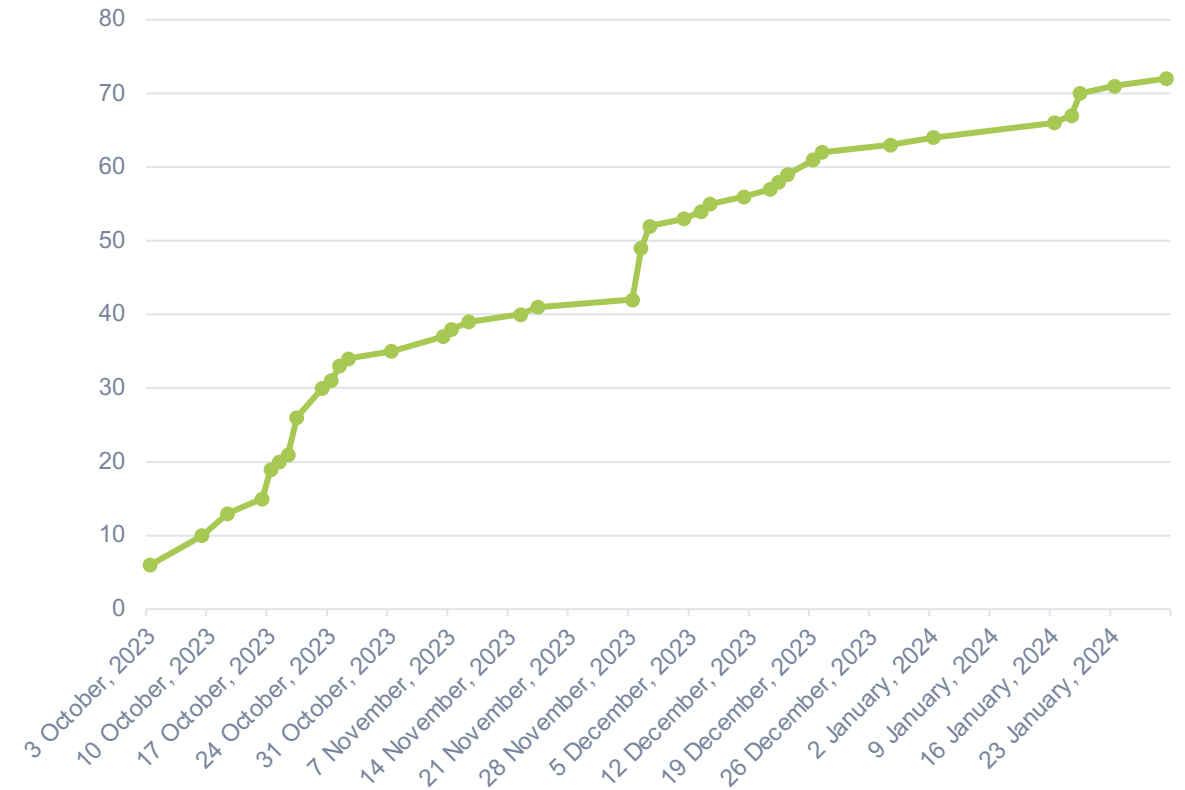


Order statistics and onboarding process

Order Progress



Onboarding Timeline Members



If you think of NIAS testing think of Labs!

Sign up today!



Thank you!

Bernd SCHWARZ

General Manager DACH

+49 162 3440276

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www.kor-group.com

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