



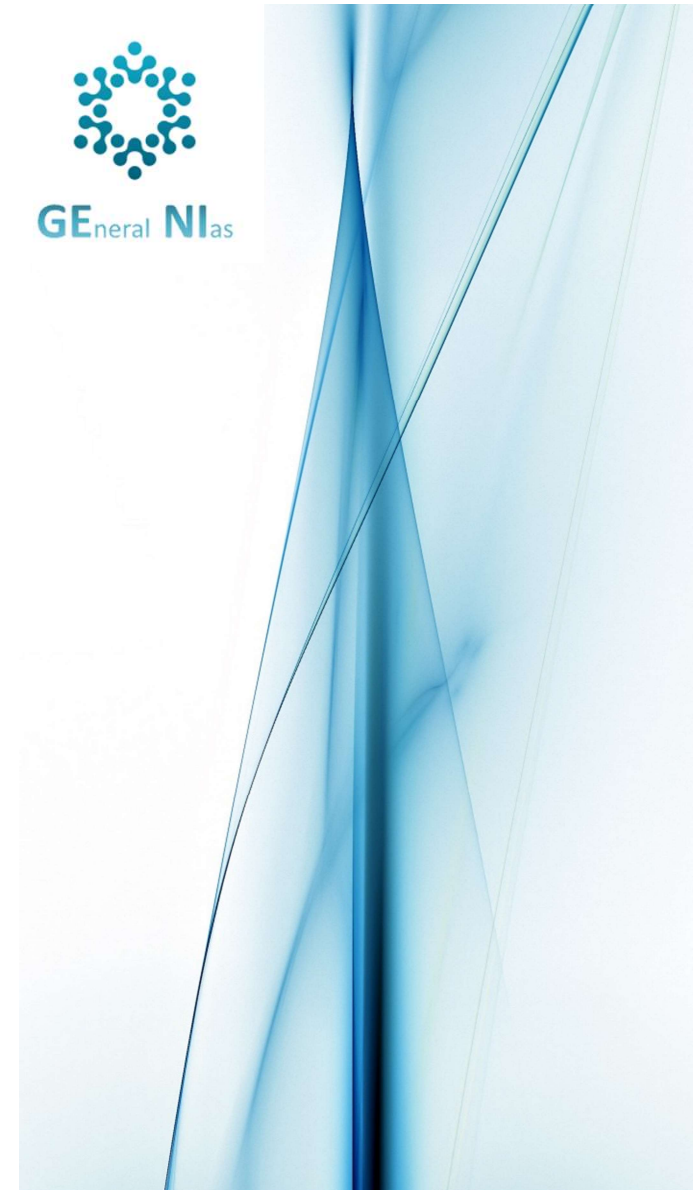
GEneral **NI**as

Status update databank development





- Introduction
- Benefits GEneral NIas ?
- Workflow
- Status of development
- Next steps
- Panel Q & A interview





Introduction; Reminder PING



- PING has been created 7 years ago



- Objective was to drive value chain cooperation in complying with Commission Regulation [\(EU\) No 10/2011](#) of 14 January 2011 on plastic materials and articles intended to come into contact with food, and its subsequent amendments, with respect to Non-Intentionally Added Substances (NIAS).
- The PING published **recommendations for NIAS evaluation** in February 2020. They are freely available to any member of the PET Value Chain.
- The PING operates in strict confidentiality to ensure that sensitive industry information can be managed to benefit the PET Supply Chain.

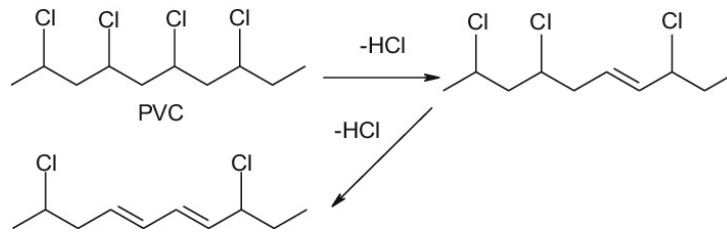


Introduction; Where are the NIAS coming from?

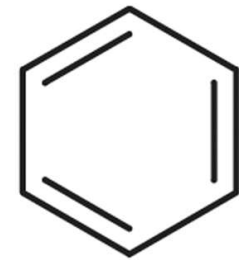
An example in PET



PVC dehydrochlorination



The acid acts as a catalyst and contribute to the formation of benzene.



Design for recycling – removing PVC from the packaging stream



Introduction; Monitoring the NIAS

Published
2020

Guidelines for NIAS evaluation in PET and rPET

Guidelines for Non-Intentionally Added Substances (NIAS) evaluation in PET & rPET				
Reference :	Version : 1	Date : Sept. 24 th 2019		

Discussion:

This document explains the tests to be conducted to evaluate the (NIAS) in resins or bottle wall.

Authors

This document has been written by Françoise Poulat on behalf of the PET Industry NIAS Group hosted by PETCORE, with the following representatives:

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Guidelines include:

- Sample preparation
- Sample expedition
- Laboratory request form
- Recommended analytical methods
- Typical lab report
- Example of good practice

Guidelines are based on:

- Current good practices
- Previous experiences on NIAS analysis
- Discussion with key laboratories
- Exchanges with other plastic trade associations

Where to find it:

- Guidelines are available through associations

Essential to generate accurate data on the NIAS following an harmonized approach

→ this is the goal of the GeNi database



What are the benefits of GEneral Nias ?



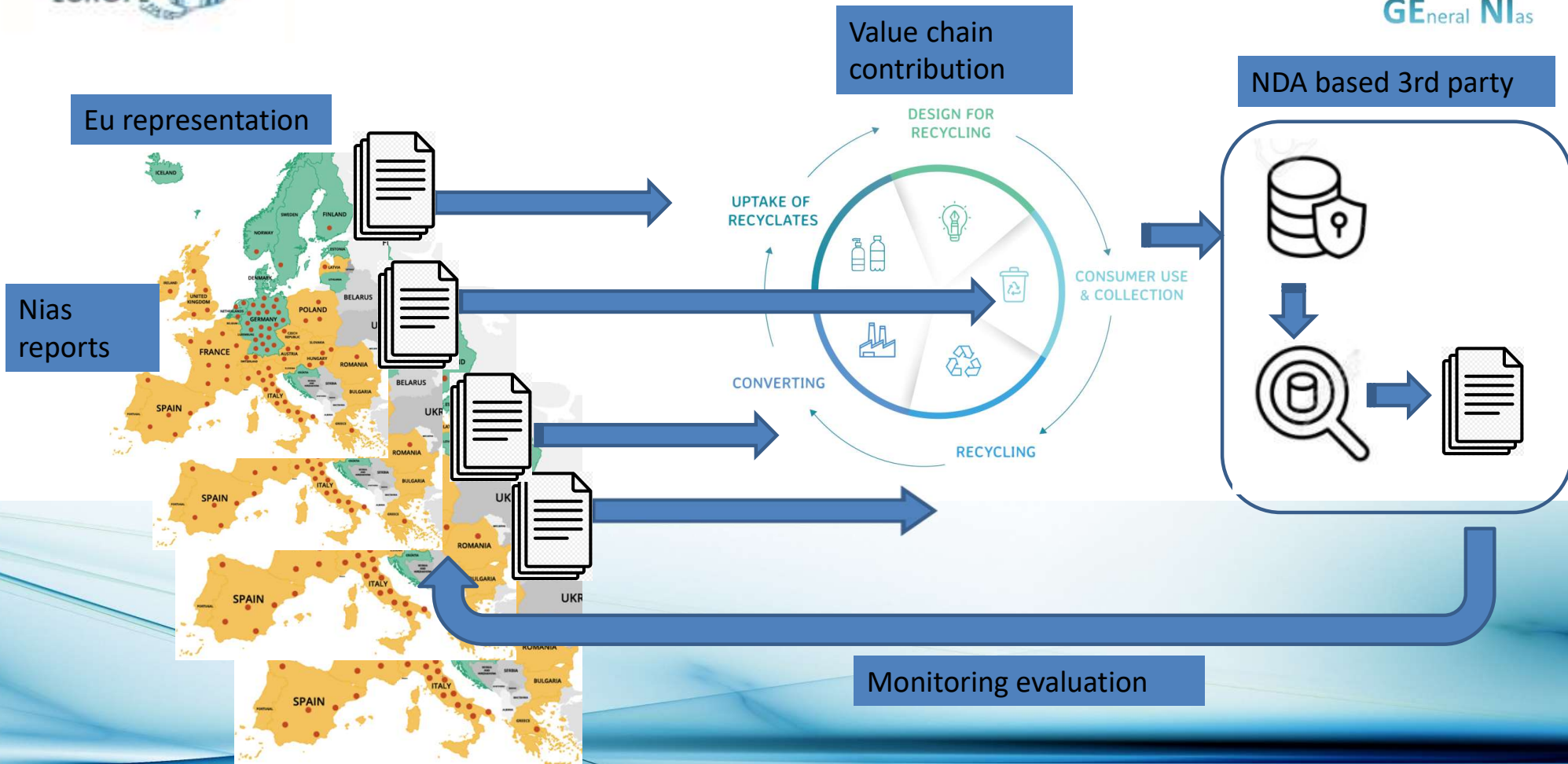
• Objectives

- Centralise data on NIAS studies in the value chain and track trends using the test Method guidelines developed by PING
- Identify NIAS entering the value chain & monitor development (obligation 2022/1616 in oct '24)
- Risk assess the NIAS identified
- Give recommendation to the value chain to control NIAS development

• Scope

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

How does it look like?





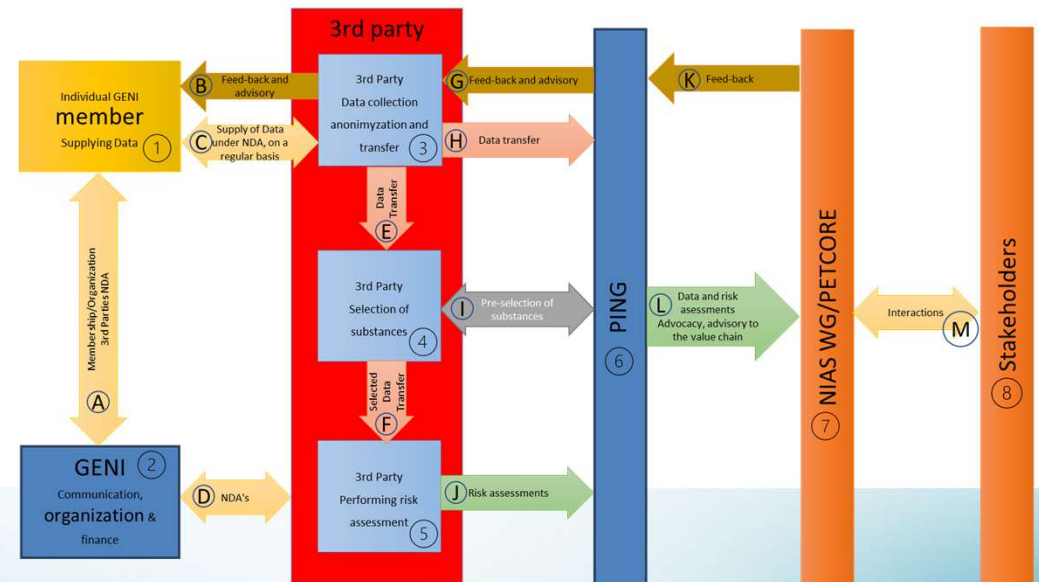
How to proceed with database building?



- Reach out to the value chain to ask for involvement in the project :
 - Supply Data
 - Fund the project
- Data collection will need a third-party to anonymize data, aggregate it and perform risk assessment, thus the need of funding from the participants.
- PING will support the participating members.
- PETCORE will take care of administration, budget control, project follow-up.

Workflow ; NDA & 3 party environment

- Scope of work is defined
- Work flow structure is created
- 3rd party workpackage is defined
- 3rd party is selected
- Nias report data collection as trial run





Status of development



- 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(proficiency test)
- Evaluate and adapt workpackage
- Secure governance of operation
- Launch active data collection
- Monitor developments
- Evaluate, assess & report as needed



Next steps



- Today
 - Interview 2 trial participants
 - Collect feedback from our conference questionnaire
- 2023
 - Improve awareness, increase value chain interaction
 - Organise webinar to update Nias Guidelines methods
 - Complete the development program steps
 - Communicate the introductions date
- 2024
 - Update on first experiences



Conclusions



- The requirement to do the Nias reports is a legalised fact
- The guidelines for Nias evaluation presented by PING are a stable starting point to create comparable data
- The 2 companies interview had a big advantage or representing multiple step of circularity but still were missing data to better follow the Nias development.
- The willingness to exchange Nias report will be there if confidentiality is secured and the benchmark of own data is possible
- GeNi will take the task to further develop this databank concept to start monitoring the Nias in the PET value chain