



# Update from The PET Monomer Recycling SIG

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- Monomer WG Charter
- Regulatory update
- NIAS Testing program
- Industry Technology Readiness Level
- Recycled Monomer specification
- Next steps



## Members of the SIG

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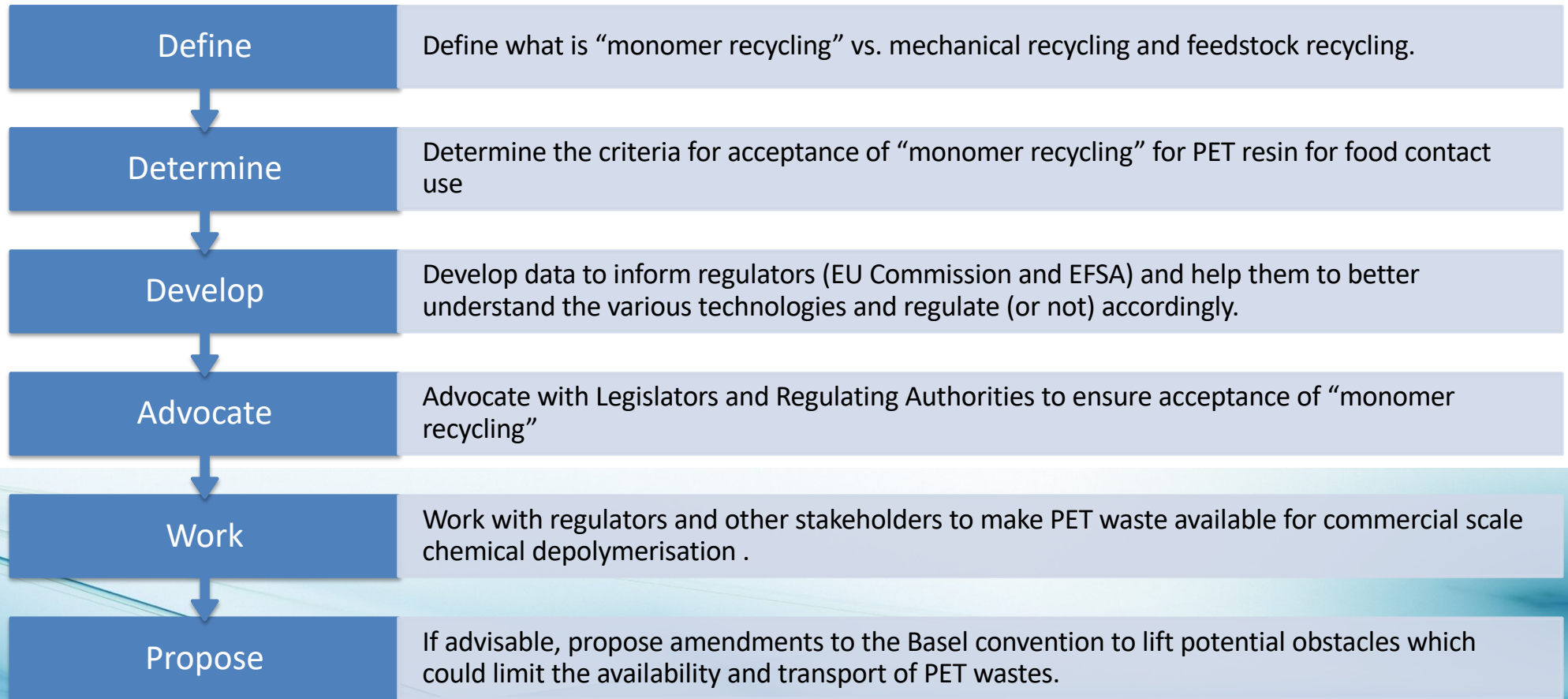
14 companies





# Monomer Recycling WG Charter

Clear targets for successful work





## Regulatory- Situation

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- The monomer WG has had an information sharing session with DG Santé - early March 2021
- DG Santé is planning to finalise the PET mechanical recycling authorisations (282/2008) Q2/Q3 2021
- Next steps for DG Santé is to establish regulation for Chemical Recycling



## Regulatory- Path forward

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An opportunity for the sector to positively work with the regulator

- The monomer WG has initiated:
  - Monomer NIAS evaluation program
  - TRL evaluation of the industry
  - General specification for monomers/oligomers
- Objective is to supply DG Santé with relevant data on the recycled monomer quality and industry readiness with the objective to have the right regulation at the right time for commercial deployment → EC10/2011 and REACH
- No creation of new regulation → Time saving

## NIAS Testing program

Relevant data = Relevant decision



Run 2 types of  
feedstocks

Feedstock B : post consumer packaging (multilayer trays)

Feedstock C : post consumer garments

All members to run these feedstocks through their technologies

Members supplying and sharing the feedstocks and feedstock informations



Assess NIAS

Use recommended procedures built by PING for polymer

Positively validate the high level of quality

Positively validate the absence of Genotoxic molecules

Feedstocks have been supplied to the members, first results expected in Q3/ 2021



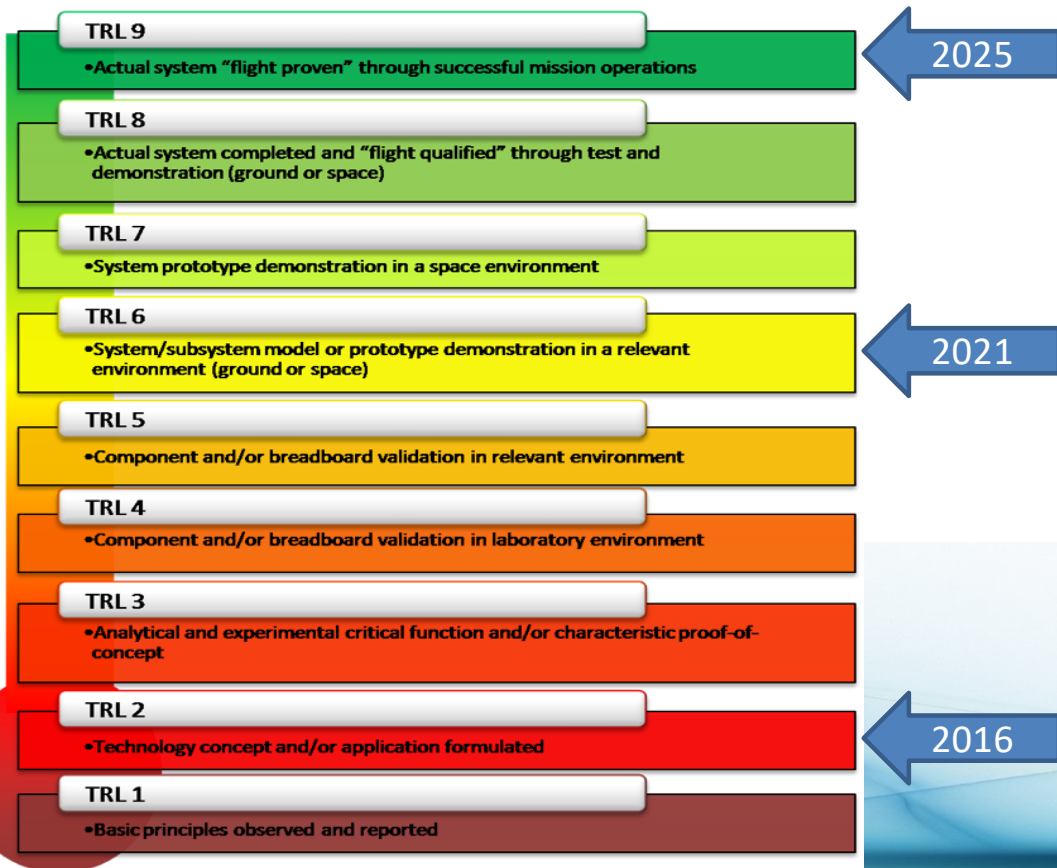
Communicate to DG Santé

Support DG Santé with data to assist regulation which is fit for purpose

Contact achieved in March, next meeting in September

# Technology Readiness Level of the sector

Industry supports EU driving circularity



- The industry is evolving quick
- Supported by investment (est. €1bn)
- Commercial scale will support independance from oil
- Sector targets to be dimensioned to supply enough material to the market



# Recycled Monomer Specification

Set the right basis for high quality recycled monomer



Draft specification in progress-Guidelines



Group to agree on what are the key elements to put under control



Supportive of discussion with DG Santé



Supportive of REACH registration

1

Meet with DG Santé  
September to present  
first results of NIAS  
testing program, TRL,  
sector time to market

2

Finalize  
specification/TRL/NIAS  
testing program

3

Exchange with other  
PETCORE Europe WG  
to structure feed  
stocks supply chain for  
monomer recycling



## Petcore Europe

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