



# Overview of the Proposals

Pilar Prieto, JRC  
EPAA Designathon, 20 March 2024

ONTOX  
WP3 and WP4

RHT3R-CS-5-  
STOT-RE

Siegfried  
Morath

ONTOX  
cholestasis  
team

MUI-  
ESQLAB-  
SCAHT

Acute  
systemic  
Tox team  
at RTI

ECETOC

NAMs  
working  
group-BfR

ONTOX-  
HepatoSteato

KREATiS

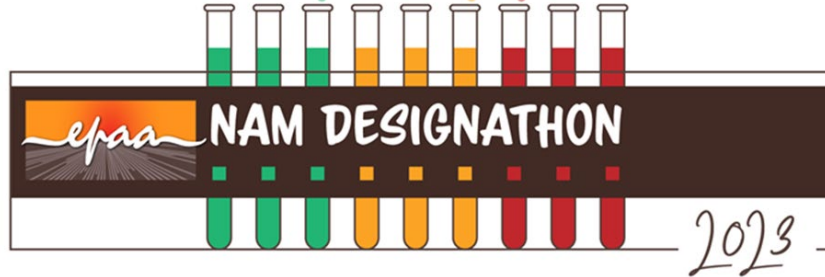
## 23 - NAM-Based solutions

Syngenta

MBM Unit

NETRI/  
SupBiotech-  
CEA

Planarian-  
HTS



ID2STOT

ONTOX-UM

HENKEL

PKMine

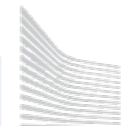
RASAR

HTS-PTGS  
Team

UFZ  
Dpt.  
BIOTOX

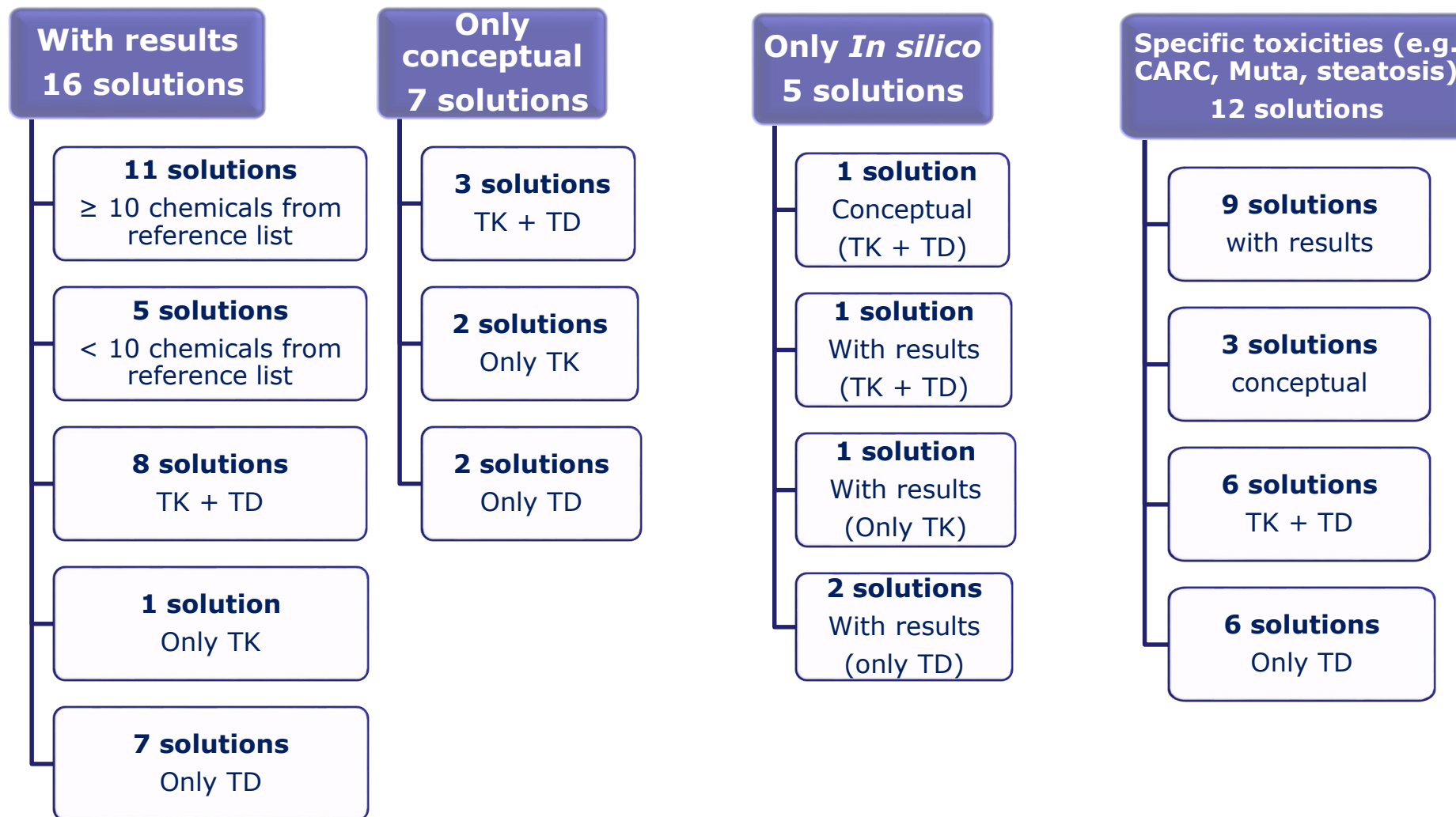
UOS  
ToxBAI

ONTOX-  
HT-PBK

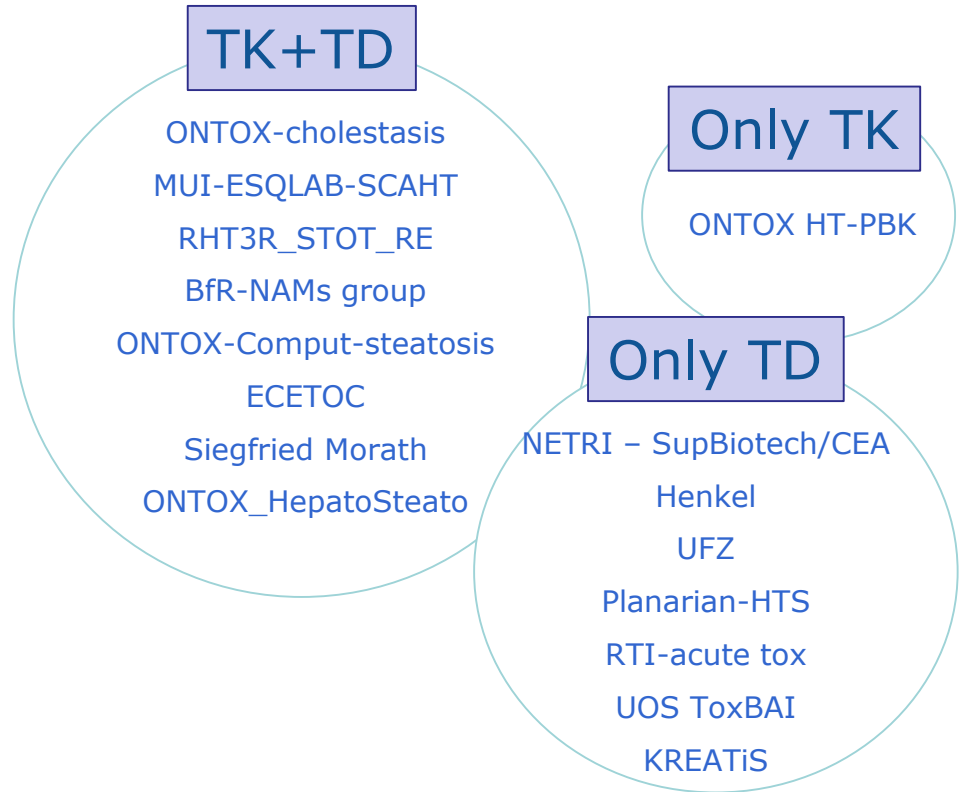


European  
Commission

# 23 NAM-Based solutions



Solutions with results	
≥ 10 chemicals from reference list	<ul style="list-style-type: none"> <li>• Henkel</li> <li>• UFZ</li> <li>• ECETOC</li> <li>• Siegfried Morath</li> <li>• MUI-ESQLAB-SCAHT</li> <li>• RTI-acute tox</li> <li>• UOS ToxBAI</li> <li>• BfR-NAMs group</li> <li>• ONTOX HT-PBK</li> <li>• KREATiS</li> <li>• ONTOX-Comput-steatosis</li> </ul>
< 10 chemicals from reference list	<ul style="list-style-type: none"> <li>• NETRI – SupBiotech/CEA</li> <li>• ONTOX-cholestasis</li> <li>• Planarian-HTS</li> <li>• RHT3R_STOT_RE</li> <li>• ONTOX_HepatoSteato</li> </ul>



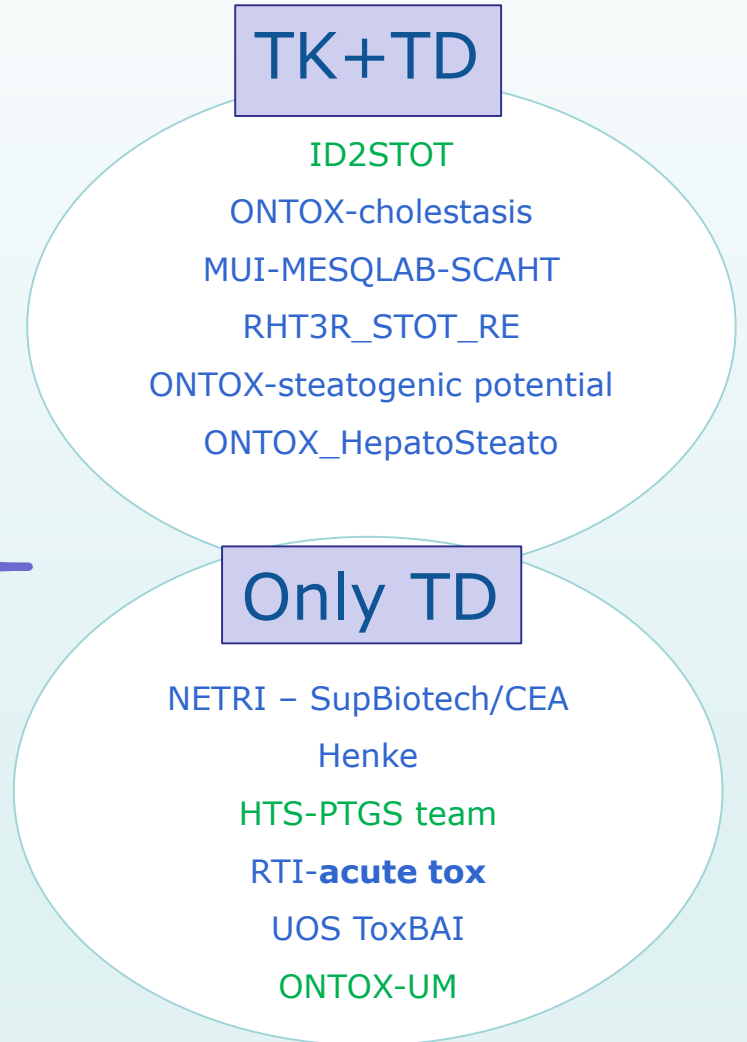
Only conceptual	
TK+TD	<ul style="list-style-type: none"> <li>• ID2STOT</li> <li>• Syngenta</li> <li>• RASAR</li> </ul>
Only TK (*tool to extract data for PBK)	<ul style="list-style-type: none"> <li>• MBM Unit-ISS</li> <li>• PKMine*</li> </ul>
Only TD	<ul style="list-style-type: none"> <li>• HTS-PTGS team</li> <li>• ONTOX-UM</li> </ul>

Only in silico	
conceptual (TK+TD)	• RASAR
results (TK+TD)	• ONTOX-Comput-steatosis
results (TK)	• ONTOX HT-PBK
results (TD-MechoA)	• KREATiS
results (TD-CARC+Muta)	• Henkel



# 12 Solutions – specific toxicities

NAM-based solutions	
With results (9 solutions)	NETRI – SupBiotech/CEA ( <b>Neurotoxicity</b> ) Henkel ( <b>CARC&amp;MUTA</b> ) ONTOX- <b>Cholestasis</b> MUI-MESQLAB-SCAHT ( <b>DNT</b> ) RTI- <b>acute toxicity</b> RHT3R_ <b>STOT_RE</b> UOS ToxBAI ( <b>Developmental and Reproductive tox</b> ) ONTOX- <b>steatogenic</b> potential ONTOX_ <b>HepatoSteato</b>
Conceptual (3 solutions)	ID2STOT ( <b>STOT-RE</b> ) HTS-PTGS team ( <b>hepatotoxicity</b> ) ONTOX-UM ( <b>acute toxic specific effects- steatosis</b> )



# Thank you



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