

# What's New 2022

Release highlights: Devex PLM, Compliance Cloud and Hazex EHS

PRESENTED BY KEITH SMALLWOOD





Product Lifecycle  
Management

# Product Development (AFS)

## Reduce time to market & improve product compliance

Continued enhancement of.....

### Devex Advanced Formulation Suite

..... our new web-based formula development and management tool with a rich set of features and functionality to facilitates and optimises the end-to-end product development process

# New Web-based UI (SFE/MFE)

[CORE, 3.10 onwards]

*Modern, enhanced and intuitive user interface and functionality for single and multiple formula editor tools with added value over old client-based version*

MINI CHEDDARS Recipe Base (manufacturing): Generic plant / ELSLB0001

File Edit View Undo Redo Save Updates Reload Data

View:  MFE

Process Flow

Zoom: 100%

MINI CHEDDARS

Components / NONE/ELSLB0001\_\_1 - BASE Alternate:0 Version:0 / ELSLB0001\_\_1

Remark Mode Show Remarks

#	Code	Description	Materials Quantity Entered	UM	Materials Moisture %	Qty %
		Target Value				
		Total Value			64.35	
1	LBURM0020	MULDER IN...	12.170	kg	27.500	44.77%
2	LBURM0022	MULDER IN...	4.630	kg	4.000	17.03%
3	LBURM0017	Milk 8%Fat ...	4.380	kg	26.900	16.11%
4	LBURM0029	MULDER IN...	3.700	kg	0.000	13.61%
5	LBURM0028	MULDER IN...	1.000	kg	4.000	3.67%
6	LBURM0030	MULDER IN...	0.600	kg	0.100	2.20%
7	LBURM0023	MULDER IN...	0.200	kg	1.100	0.73%
8	LBURM0025	MULDER IN...	0.200	kg	0.400	0.73%
9	LBURM0021	MULDER IN...	0.150	kg	0.250	0.55%
10	LBURM0031	MILK IN...	0.150	kg	0.100	0.55%

Totals & Targets

Recipe Editing Mode: Target Quantity

Plant	NONE
Matcode	ELSLB0001__1
Target Stage Quantity kg	11.83
Total Ingredients kg	27.180
Target/Calculated Solids %	70.45%
Target/Calculated Moistu...	29.54%
Target/Calculated Total Q...	31.830
Added Water Condensate ...	4.650

Stage List

Equipment

# Nutritional Limit Warnings

[Add-on, 3.10 onwards]

In real-time Devex can highlight nutrients that exceed set limits, enabling the formulator to adjust immediately during the formulation definition.

The screenshot displays the Devex software interface for formulating 'MINI CHEDDARS'. The main table lists ingredients and their nutritional contributions. A red bar highlights the 'Available Carbohydrate' row in the 'Totals & Targets' panel, indicating a limit warning.

#	Type	Plant	Matcode	Description	Quantity	UM	Water	Protein	Total Carbohydrate	Fat	Ash	Total Dietary Fibre	Vitamin C (Ascorbic Acid)	Niacin (Vitamin B3)	Pantothenic Acid (Vitamin B5)	Vitamin E (Pyridoxin Base)
1	RAWMAT	NONE	LBLRM0010	MULDER ING...	12.17	KG	67.538	0	32.238	0	0	0	0	0	0	0
2	RAWMAT	NONE	LBLRM0022	MULDER ING...	4.63	KG	83.647	2.129	12.827	0.153	1.244	0	0.238	0.136	0.835	0.102
3	RAWMAT	NONE	LBLRM0017	Milk Bn/Fat S...	4.38	KG	88.32	1.257	6.944	1.289	0.29	0	0.612	0	0.132	0.01
4	RAWMAT	NONE	LBLRM0029	MULDER ING...	3.7	KG	86.387	0	0	13.613	0	0	0	0	0	0
5	RAWMAT	NONE	LBLRM0028	MULDER ING...	1	KG	96.468	0	3.532	0	0	0	0	0	0	0
6	RAWMAT	NONE	LBLRM0030	MULDER ING...	0.6	KG	97.795	0	0	0	2.205	0	0	0	0	0
7	RAWMAT	NONE	LBLRM0023	MULDER ING...	0.2	KG	99.272	0.001	0.004	0	0.001	0	0	0	0	0
8	RAWMAT	NONE	LBLRM0025	MULDER ING...	0.2	KG	99.267	0.001	0.728	0.002	0.001	0.001	0	0	0	0
9	RAWMAT	NONE	LBLRM0021	MULDER ING...	0.15	KG	99.45	0	0	0	0.55	0	0	0	0	0
10	RAWMAT	NONE	LBLRM0031	MULDER ING...	0.15	KG	99.449	0	0	0	0.551	0	0	0	0	0

Totals & Targets	
Recipe Editing Mode: Target Quantity	
Target/Calculated Total Quantity kg	31.830
Added Water Condensate or Evaporate...	4.650
Available Carbohydrate	
Fat	15.06 g
Ash	4.84 g
Total Dietary Fibre	0.00 g
Vitamin C (Ascorbic Acid)	0.85 mg
Niacin (Vitamin B3)	0.14 mg
Pantothenic Acid (Vitamin B5)	0.97 mg
Vitamin B6 (Pyridoxine Base)	0.11 mg
Riboflavin (Vitamin B2)	0.49 mg
Thiamine (Vitamin B1)	0.10 mg
Folic acid (Vitamin B9)	3.66 ug
Vitamin B12 (Cyanocobalamin)	0.49 ug
Vitamin E (Alpha-tocopherol)	0.04 mg
Sodium	564.86 mg

# Requirements-driven Formulation

[Add-on, 2022 onwards]

This add-on solution enables the product developer to evaluate in real time the product against a pre-defined set of set of product requirements.

The screenshot displays the Selerant software interface. The main window is titled 'Components / NBE1 / NEB000040001'. It features a table with columns: #, Plant, Matcode, Description, Quantity, Um, Percentage Qty, Kosher, Kosher Type, Halal, and an empty column. The table contains five rows of data for various plant components. To the right, a panel titled '\*Summary Evaluation Result' shows a table with columns: Name, Limits, UoM, Priority, Status, and Evaluate. This panel includes a 'Real-time Evaluation' checkbox and a 'Evaluate' button. The evaluation results are categorized into Dietary, Compliance, Allergens, and Nutritional, with specific items like 'Vegan', 'Allergen', 'Fat', 'Calcium', and 'Total S...' listed with their respective status and evaluation results.

#	Plant	Matcode	Description	Quantity	Um	Percentage Qty	Kosher	Kosher Type	Halal
1	Generic plant	RM000008	AVOCADO PEELED, STONED	0.100	kg	28.57	Certified		Certified
2	Generic plant	RM000009	SPINACH	0.100	kg	28.57	Certified		Certified
3	Generic plant	RM000010	PINEAPPLE PILLED	0.050	kg	14.29	Certified		Certified
4	Generic plant	RM000011	CUCUMBER	0.070	kg	20.00	Certified	Unknown	Certified by default
5	Generic plant	RM000012	COCONUT WATER	0.030	kg	8.57	Certified	Unknown	Certified

Name	Limits	UoM	Priority	Status	Evaluate
✓ <b>Dietary</b>				Passed ✓	✓
Vegan ...			High	Passed ✓	✓
✓ <b>Compliance</b>				Requires ... ⚠	✓
✓ Allergen...			High	Requires ... ⚠	✓
US F...			High	Requires ... ⚠	✓
✓ <b>Nutritional</b>				Failed ✗	✓
Fat	Min-2.2; Targ...	g	High	Failed ✗	✓
Calcium	Min-32; Targ...	mg	High	Failed ✗	✓
Total S...	Min-0; Target...	g	High	Passed ✓	✓

# Advanced Formula Search

[Add-on, 2022 onwards]

This add-on solution allows product developers to find best-fit formulae according to a pre-defined set of set of requirements.

devex QA

Search

Quick Access Help

PROJECTS MATERIALS SPECIFICATIONS REGULATORY LIBRARIES IDEAS ECODEX DIRECT TESTS SOP AUDIT QMS

Home Page Material Search

MATERIAL SEARCH

Basic Custom Queries Where Used Advanced Formula Search

Search Rule (2)

Clear All

Include Component ☒ Acid Extract ☒ Acid Oil ☒ Inklude All ☐ And ☒ Material Qty ☒ Brown Sugar ☒ = 10.00 mcg

Results

Filter Total rows: 35

Deviation Settings

Title	Mat Code	Plant	Mat Type	Include Acid Extract, Acid Oil	Brown Sugar Qty	% match	Actions
QC-Test WDG18603	WDG18603	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG18604	WDG18604	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG18643	WDG18643	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG18622	WDG18622	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG18603	WDG18603	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG12345	WDG12345	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34869	WDG34869	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34811	WDG34811	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34873	WDG34873	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG32357	WDG32357	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34823	WDG34823	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34864	WDG34864	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34863	WDG34863	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG37689	WDG37689	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	
QC-Test WDG34324	WDG34324	Generic Plant	Formula	<input checked="" type="checkbox"/>	10.00 mcg	100	

Show 15 per page

1 - 15 of 150 items shown

# Express Labeling Enhancements

[CORE / subscription, 2022]

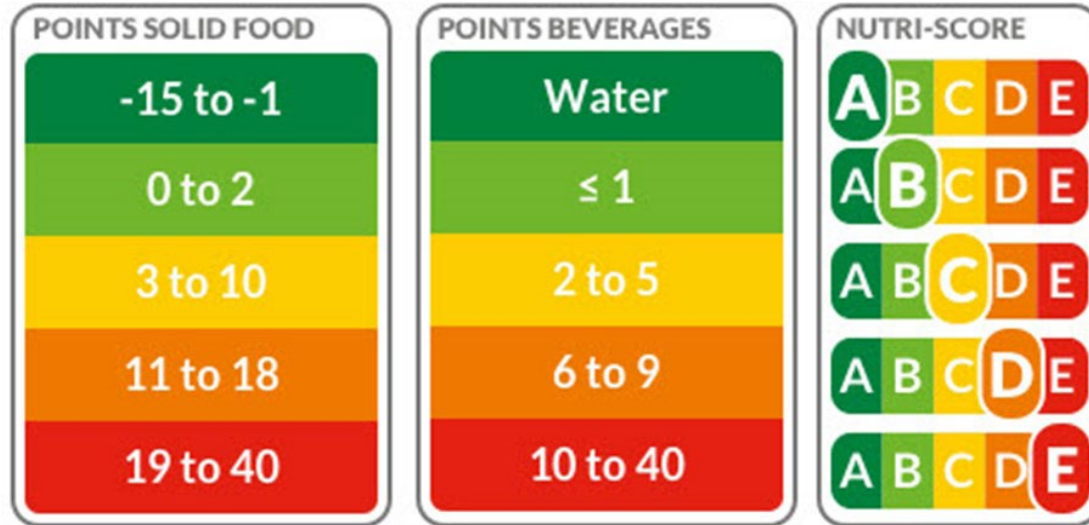
- 7 new label templates for Mexico (1), European Union (3) and China (3)
- Fixed Serving Size value of 100, to be compliant with several label templates from multiple countries (Mexico, EU)
- Serving Size values rounding where legislation requires it (CAN, US)
- Weight-related fields allows creation of future labels and provides more flexibility for current labels (CAN, MEX)
- New phrases (“average values”, “of which” ..) fields for optional label elements increasing flexibility (EU)



# Nutri-Score Labeling

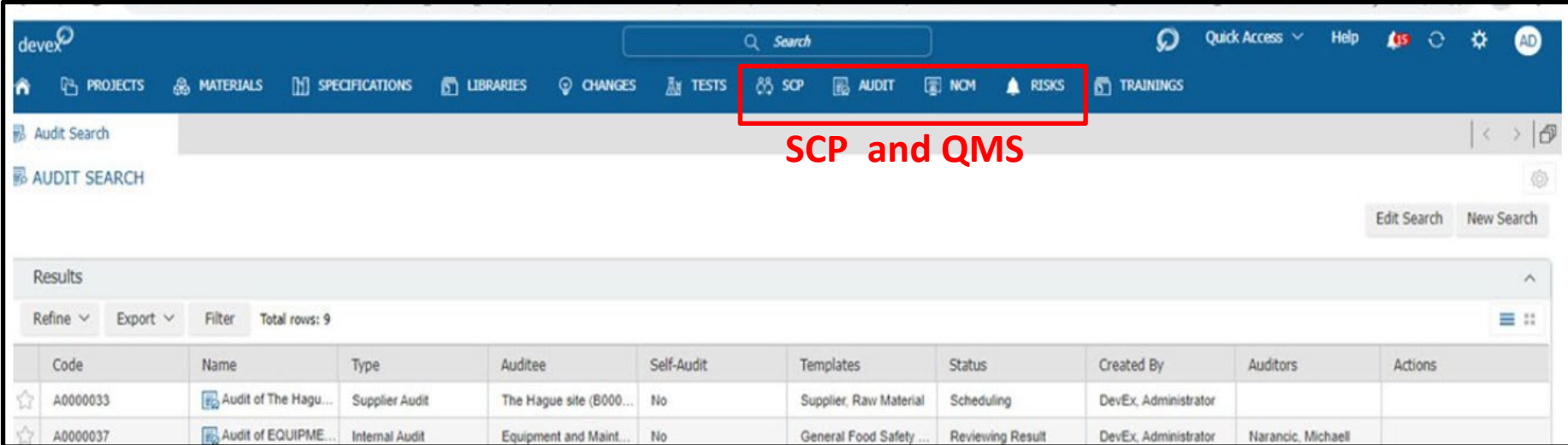
[Add-on, 2022 onwards]

A nutritional rating system adopted by different European countries and wider as a voluntary requirement. It sets new rules for creating of the front of pack (FOP) label to inform consumers about the nutritional quality of a product, using a 5-color scale and letters A to E



# Supplier & Quality Management [CORE, 2022 onwards]

Collaborate, reduce risk and improve quality performances with suppliers via Devex integrated Supplier Collaboration Portal & Quality Management System



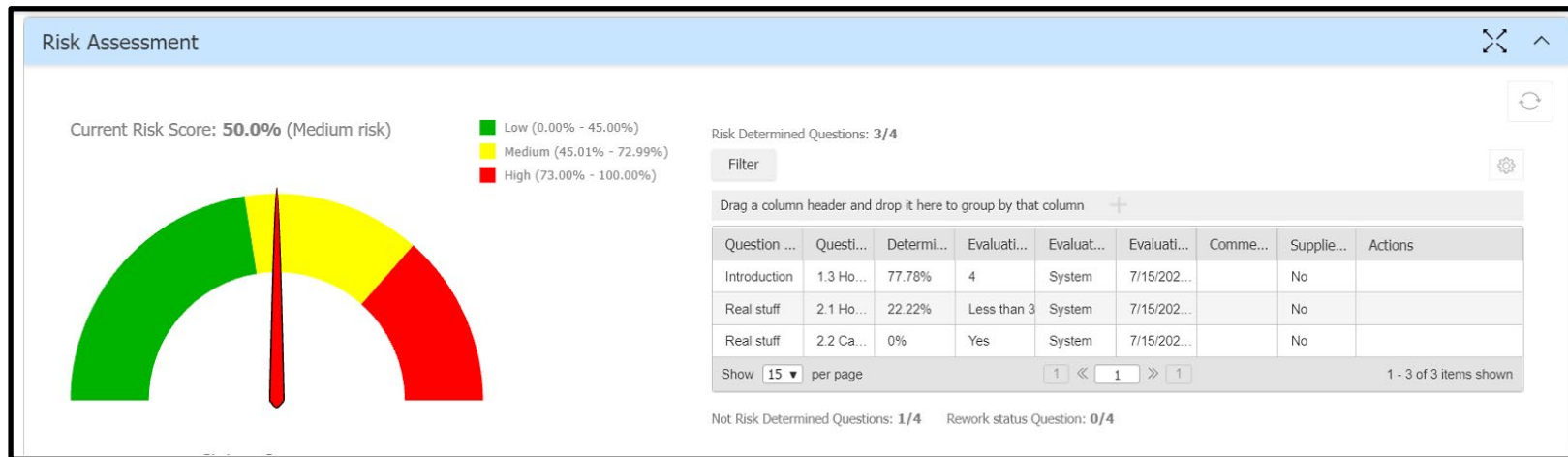
The screenshot displays the Devex user interface. The top navigation bar includes the Devex logo, a search bar, and various icons for navigation. A red box highlights the 'SCP' (Supplier Collaboration Portal) and 'QMS' (Quality Management System) icons in the navigation bar. Below the navigation bar, the 'Audit Search' section is visible, showing a table of search results. The table has columns for Code, Name, Type, Auditee, Self-Audit, Templates, Status, Created By, Auditors, and Actions. Two rows of results are shown, both for audits created by 'DevEx, Administrator'.

**SCP and QMS**

Code	Name	Type	Auditee	Self-Audit	Templates	Status	Created By	Auditors	Actions
A0000033	Audit of The Hagu...	Supplier Audit	The Hague site (B000...	No	Supplier, Raw Material	Scheduling	DevEx, Administrator		
A0000037	Audit of EQUIPME...	Internal Audit	Equipment and Maint...	No	General Food Safety ...	Reviewing Result	DevEx, Administrator	Narancic, Michael	

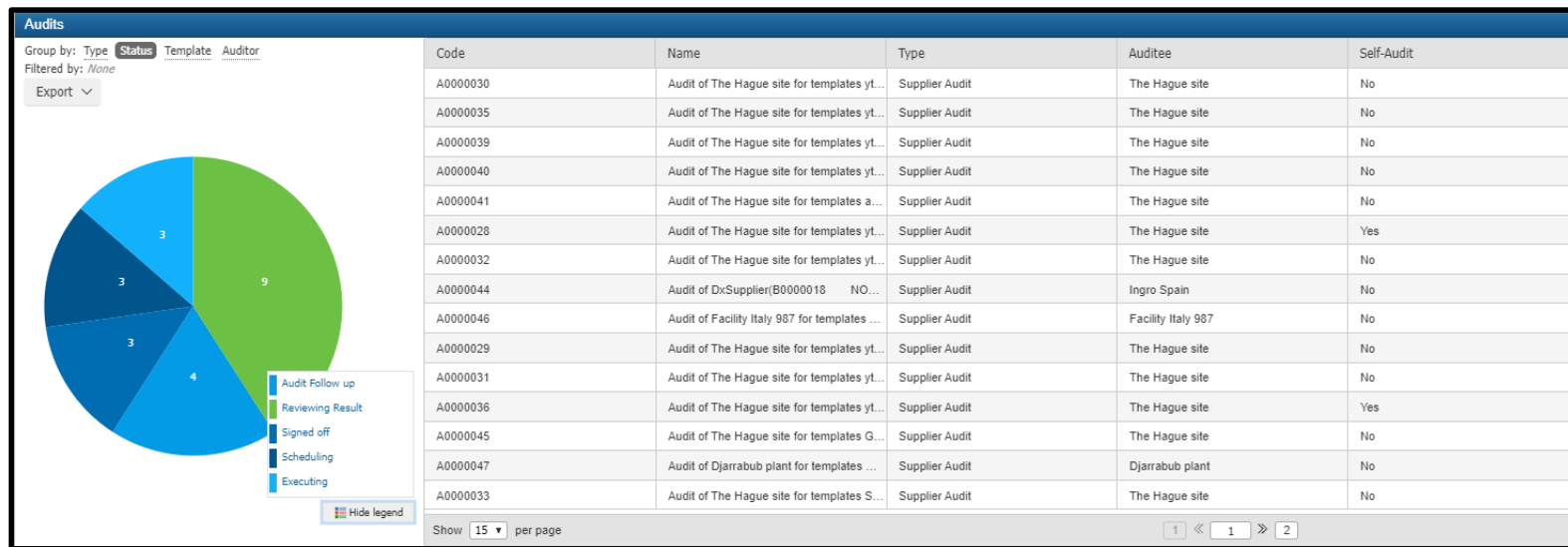
# Supplier Risk Assessment

Potential risks can be identified in the early stages of the supplier collaboration process, during the on-boarding of suppliers and facilities.



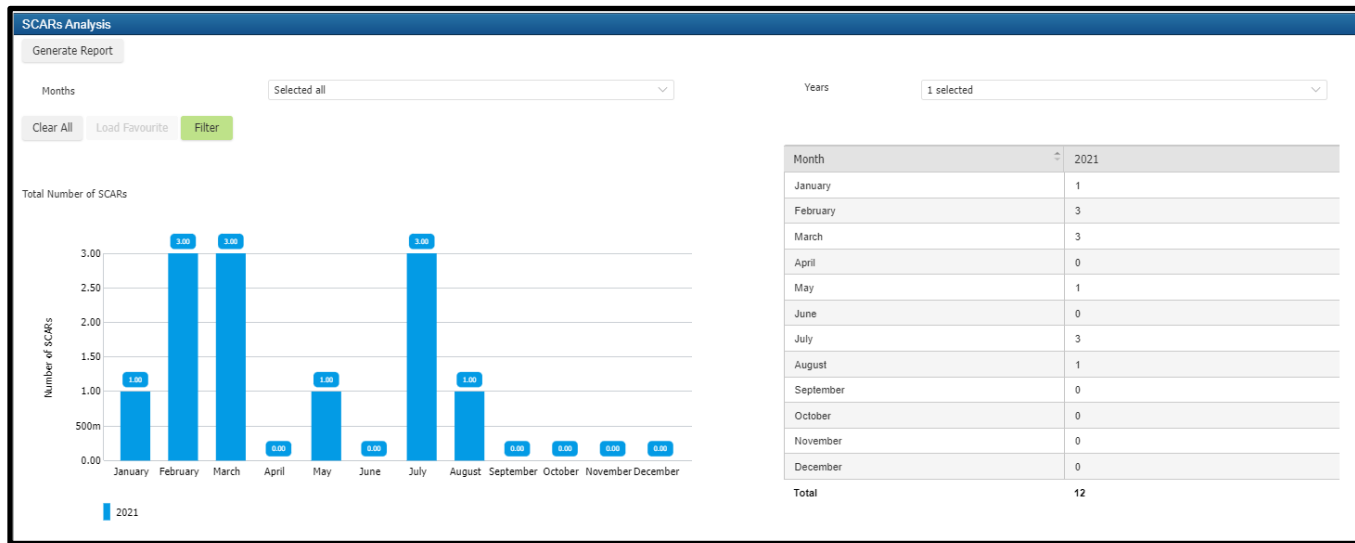
# Automating Audits for Operational Excellence

Audit Management in QMS automates the planning and execution of internal and external audits of any scope through configurable workflows, with follow-up action management as required



# Non-Conformance / SCAR Management with Dashboards to drive Quality Performance

Quality managers and their teams are able to manage NC and SCAR activities and monitor relevant KPIs: Risk Scores, Number of SCARs and trends per supplier, facility, and entire supplier base



# SCP : Advanced Supplier Collaboration

Further enhancements to and refinement of the Devex SCP functionality to improve collaboration and productivity....

- **Create supplier questionnaires directly from material specification**  
Enable accurate and efficient sharing of material specification requirements
- **Manage iterative collaboration through the development process**  
Evaluate suppliers and materials via iterations and focusing data relevant for specific development stages
- **Automate Questionnaire reassessments**  
Use standardized reassessment process to efficiently track changes in supplier responses to better evaluate development performance and progress and monitor risk.
- **Hints available for suppliers during answering**  
Improve supplier experience when responding to questionnaires

# Innovation Process Management [CORE, 2022 onwards]

**We continue to enhance our Project and Portfolio management tools, improving user experience, automation options and business value.**

- **User configurable dashboards**

Ability to define financial dashboard by adding and removing charts, selecting chart type, chart and group business logical attributes, styling fonts, etc.

- **Simplification of Import / Export Project Type Definitions**

- **Increased flexibility in the definition of Single Process Workflows**

- **Ability for live changes to Stage - Gate Innovation / Renovation project types**

- **Ability to define Parent-Child Project type relationships**





# Compliance Cloud

[CORE, 2022 onwards]

## Effective Regulatory Compliance and Supply Chain Risk Evaluation

### Trends Dashboard

Comprehensive dashboarding capabilities providing visual analysis of Compliance events, trends and geographies at your fingertips ...



## Effective Regulatory Compliance and Supply Chain Risk Evaluation

### Regulatory Data Extensions

Extended regulatory coverage for additional categories....

- ✓ *bakery*
- ✓ *confectionery*
- ✓ *meat*

....for United States, Canada, European Union, United Kingdom, China, Japan, South Korea, India, the Gulf Cooperation Council and Egypt.



Environmental,  
Health & Safety

### **SDS and Labeling compliance to evolving local, regional and global GHS-based regulations with Hazex EHS**

- **Automated SDS generation and distribution**
- **Automated UFI code and PCN dossier generation aligned to EU mandate**
  - automatically send dossiers to PCN through “system to system” (S2S) Integration
- **New Regulatory requirements support**
  - continued support for new GHS and other regulations in various geographies
- **Incremental Usability and user experience improvements**

# Further Details in the Sandbox Sessions

10:30 - 12:30 p.m.

**Hands-on product sessions**

## **Compliance Cloud**

Analyze the regulatory requirements of new markets to efficiently introduce your products.

## **Advanced Formulation Suite**

A single place to collect, document, structure, trace, and prioritize your product information.

## **Supplier Quality Management**

Risk-based supplier qualification process and supplier audits.

## **Labeling**

Automatically generate label contents in the format of your choice using the Nutri-Score nutritional rating system.

## **Innovation Process Management Suite**

Reduce ideation/innovation management costs with easy idea generation, classification, and scoring.

# Reasons to Upgrade : Devex Upgrade Pathway

## Devex today

Discover the benefits of Devex 2022

### Contents

- [Reasons to upgrade](#)
- [Four ways the cloud improves PLM](#)
- [Upgrade Pathway](#)
- [End of Life Policy](#)
- [Innovation Process Management Suite](#)  
Portfolio Management, Project Planning and Execution, Resource and Idea Management
- [Product Development](#)  
Target-driven formulation and recipe management
- [Regulatory](#)  
Embedded regulatory control across the Product Lifecycle
- [Labeling](#)  
Streamlined, standardized and efficient label processing
- [Supplier Collaboration Portal](#)  
Simplified supplier relationships in a supply chain
- [Quality Management System](#)  
Streamlined and transparent quality management
- [EHS](#)  
Optimized GHS hazard evaluation activities and Safety Data Sheets creation
- [Customer Experience](#)  
Intuitive user-centered design
- [Configuration Management](#)  
Effortless administration, convenient, quick upgrades

**Contact your Sales Representative / KAM  
for further detailed discussions**

# Q&A

