



Drive to Digital:
Integrating Genesis
R&D to Improve Your
Innovation Workflow

Presented by

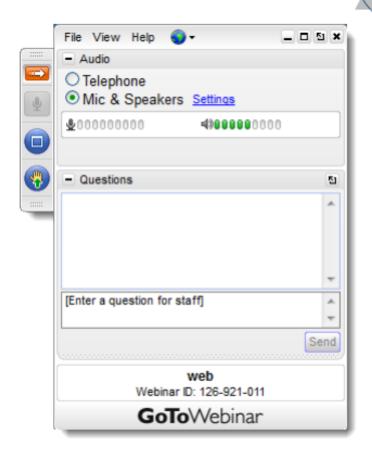
**ESHA Research | Verdant | Kraft Heinz** 

Wednesday, September 23, 2020 11:00 AM PDT | 1:00 PM CDT | 2:00 PM EDT

### Please Note!

- √ The webinar is being recorded
- ✓ All webinars available on our website
- ✓ Submit your questions in the GoToWebinar control panel
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### Speakers for Today

Chris Eakin



ESHA's Genesis R&D Product Development and Labeling Software assists users in all aspects of food-product development, from recipe development and virtual food creation to nutrition facts panels creation & compliance.

Russ Singleton Wes Frierson Verdant

### verdant

Verdant has become a trusted partner to many of the world's leading CPG brands by offering industry-specific advisory and professional services paired with innovative technology and product offerings.

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Andy Greenwald
The Kraft Heinz Company



### About ESHA Research

ESHA's family of nutritional software products, services, and databases are recognized as the industry's top choice for recipe and supplement development, labeling, nutritional analysis, and regulatory compliance.

#### Services and Software Solutions:

- Food Formulation & Compliant Labeling
- Restaurant Menu Analysis & Compliant Labeling
- Supplement Formulation & Compliant Labeling
- Nutrition & Diet Analysis
- Consulting Services

# **Trusted Nutrition Database**

 130,000 raw foods, ingredients and recipes, plus processing materials, chemicals/additives, and other industry ingredients from more than 1,800 reputable sources:

- USDA
- Manufacturers
- Restaurants
- Meticulous research, data checks and continual updates.
- Nutrition breakdown for 172 nutritional components, including mandatory and voluntary label nutrients.

### Our Reach



900 Colleges and Universities with 10,000 students accessing our programs annually



18 of the top 20 Restaurants in the U.S.



75 of the top 100 Food Manufacturers in the U.S.

# Genesis R&D Food Overview

Genesis R&D is designed to help you manage the challenges faced in the food industry.

- Nutrition analysis
- Reformulation and conceptualization
- Compliant nutrition label and statements
- Regulatory content claims



# Formulation Made Easy



- Create recipes and formulas using ESHA or useradded ingredients.
- Simulate formulation changes in real time no waiting for a lab result.
- Calculate moisture, fat, and processing adjustments: subtract or add water/fat and view results on-screen immediately.
- View line-item detailed nutritional breakdown of your formulation.
- Monitor changes with built-in audit tracking.



### **Nutrition Facts**

2 servings per container
Serving size 1 cup (140g)

Amount per serving Calories

160

	% Daily Value*
Total Fat 8g	10%
Saturated Fat 3g	15%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 60mg	3%
Total Carbohydrate 21g	8%
Dietary Fiber 3g	11%
Total Sugars 15g	
Includes 5g Added Sug	gars 10%
Protein 3g	
V	2.50/
Vitamin D 5mcg	25%
Calcium 20mg	2%
Iron 1mg	6%
Potassium 230mg	4%

<sup>\*</sup>The % Daily Value tells you how much a nutrient in a serving of food contributes to a daily diet. 2000 calories a day is used for general nutrition advice.

### **Nutrition Facts Labels**

Automatically formatted and regulatory-compliant

- Customize your label by utilizing the myriad of built-in preferences and layout options
- Generate ingredient statements
- Track and declare allergens
- Identify qualifying nutrient content claims

# International Labeling

Create country-specific governmentcompliant nutrition labels.

Available country specific label modules:

- Canada
- **European Union**
- Mexico
- **United States**

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i	Nutrition	Information

	serving of food contributes	s to a daily diet. 2000 calories	3
	a day is used for general nutrition advice.		er portion of 1 cu
	701 Verei en ce in ita	ake Ki	%Reference Int
Energy	497 kJ / 119 kcal	6% RI	692 kJ / 166 kca
Fat	6 g	9% RI	8.4 g
Of which Saturates	2.3 g	12% RI	3.2 g
Of which Mono-unsaturates	0.6 g		0.9 g
Of which Polyunsaturates	2.6 g		3.6 g
Carbohydrate	13 g	5% RI	18 g
Of which Sugars	11 g	12% RI	15 g
Of which Polyols	0 g		0 g
Of which Starch	0.6 g		0.8 g
Fibre	2.3 g		3.2 g
Protein	2 g	4% RI	2.8 g
Salt	0.11 g	2% RI	0.15 g
Eluorido	2.20 mg	GEO/ DI	2 10 mg

Salt content is exclusively due to the presence of naturally occurring sodium

Contains negligible amounts of Polyols, Vitamin A, Vitamin C, Thiamin, Riboflavin, Niacin, Vitamin B6, Folic Acid, Vitamin B12, Biotin, Pantothenic Acid, Potassium, Chloride, Calcium, Phosphorus, Magnesium, Iron, Zinc, Copper, Manganese, Selenium, Chromium, Molybdenum, Iodine

Reference intake of an average adult (8,400 kJ / 2,000 kcal)

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Información Nutrimental

Tamaño de la Porción 122g Raciones por Envase

Contenido Energético	620 kJ (150 kcal)
Proteínas	2 g
Grasas	8 g
Grasa Saturada	3 g
Carbohidratos	17 g
Azúcares	14 g
Fibra Dietética	2 g
Sodio	5 mg
	% IDR / IDS*
Vitamina B6 (Piridoxina)	15%

Magne	Nutrition Facts Per 1 cup (122 g)
Cobre	Per 1 cup (122 g)

е	Calories 140	% Daily Value *
	Fat 8 g Saturated 3 g + Trans 0 g	11 % 15 %
Ш	+ Halls U.G	

· mano o g	
Carbohydrate 19 g	
Fibre 2 g	7 9
Sugars 14 g	14 9
Drotein 2 a	

Protein 2 g	
Cholesterol 0 mg	
Sodium 5 mg	1
Potassium 200 mg	4
Calcium 20 mg	2
Iron 0.5 mg	3
Thiamine 0.05 mg	4

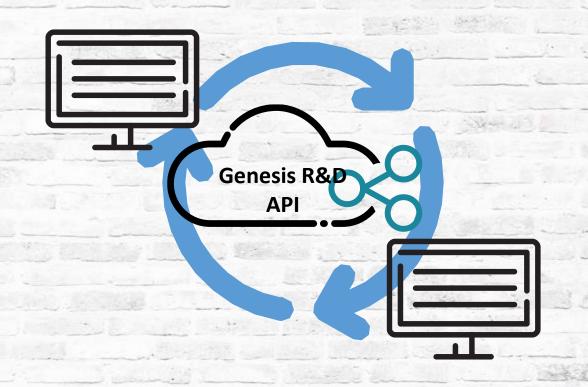
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# Improve Your Innovation Workflow

### With the Genesis R&D API

The Genesis R&D API allows real-time data streaming between Genesis R&D and common ERP, PLM, and MDM vendor solutions.

- Get BOMs and send to Genesis R&D for nutrient analysis and label creation
- Send back recipe data analysis and nutrition facts labels



# Genesis R&D API Summary

Data from Genesis R&D can be sent to external and internal interfaces such as webpages, point-of-sales systems, inventory management systems, and QC or document controls.

- Unattended export of recipes, ingredients, and labels.
- Filter records to be exported by name, group, creation date, and/or modified date.
- Export specific fields such as ingredient statement, cost, user codes, nutrient, etc.
- Runs as a service in IIS and is available both as a SOAP and REST interface

### Streamline Your Integration

With Verdant's COG Platform

Without Pre-Built Connectors

With Pre-Built Connectors





# Integrated Nutrition Labeling and Compliance

### What is Driving Integrated Compliance?

# Market Demands

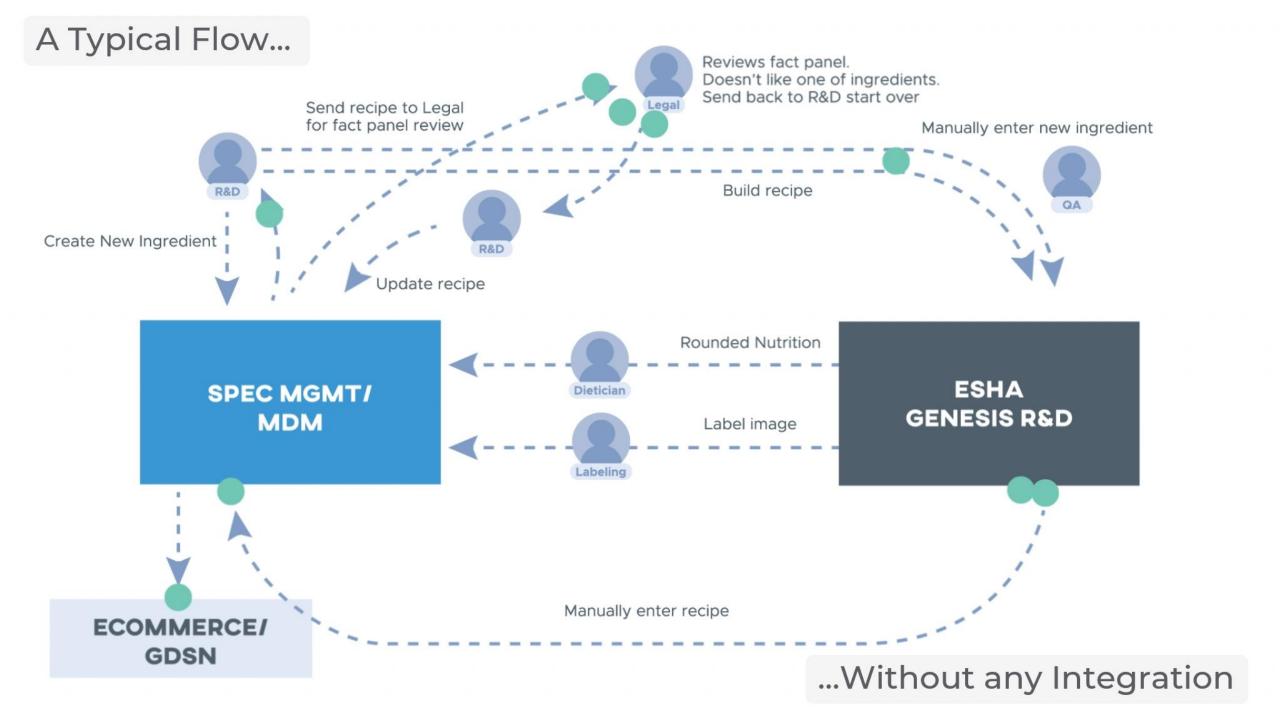
- Broader range and longer lifecycles driven by eCommerce
- Increasingly complex and shifting regulatory environment

# Digital Demands

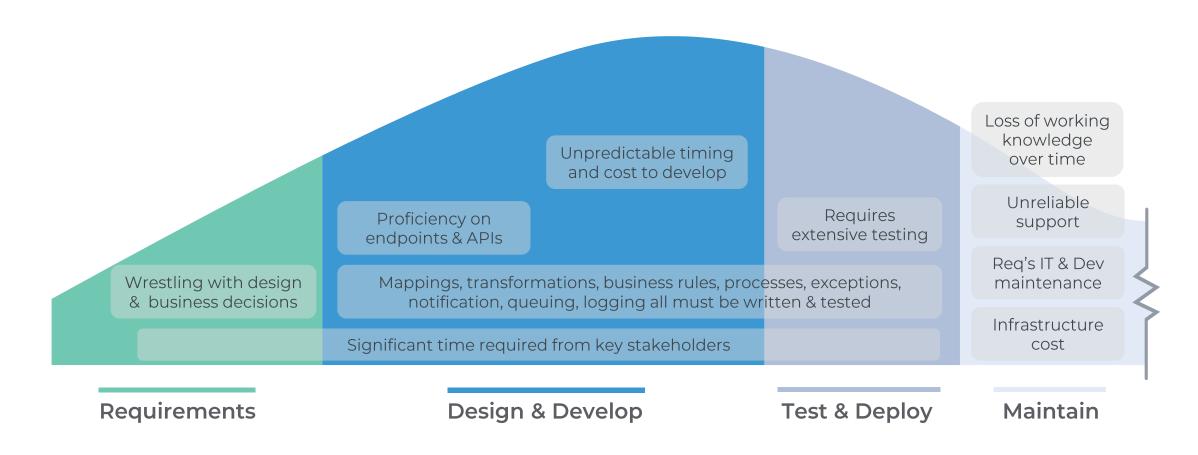
- · Importance of solid **digital product definition**
- · "Design for compliance" is a must have capability

# Demand for Agility

- Reduced time to market
- Resource efficiency
- Speed, with standards
- Lower the burden of change maintenance



### Traditional Integration Challenges





### is a Cloud-based Integration Service that...

Is designed to overcome the common barriers that prevent companies from investing in valuable integrations



Allows you to easily integrate your key systems to industry leading solutions like ESHA's Genesis R&D

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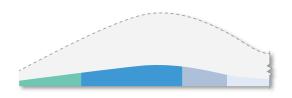
### COG is Pre-built and End-to-End



COG **Pre-Built** Accelerators

- **COG Connectors** for common endpoints
- **COG Pre-Built Business Orchestrations** for common use cases

Compatible with Genesis R&D On-Prem and Cloud versions using the API



### COG **Implementation** Methodology

- Template-based
- Fast but flexible
- Predictable with rapid time to value





- End-to-end, US-based support with SLAs
- No Infrastructure required
- Dashboards for monitoring and status

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### **COG** Integration

Better | Faster | Cost-effective



#### Requirements

- ✓ Validate vs create approach
- ✓ Turnkey methodology
- ✓ Best practice process flows and templates

#### Design & Develop Configure

- ✓ Configure vs development approach
- ✓ Pre-built connectors and process flows
- ✓ Safe extensibility if needed
- ✓ Predictable duration

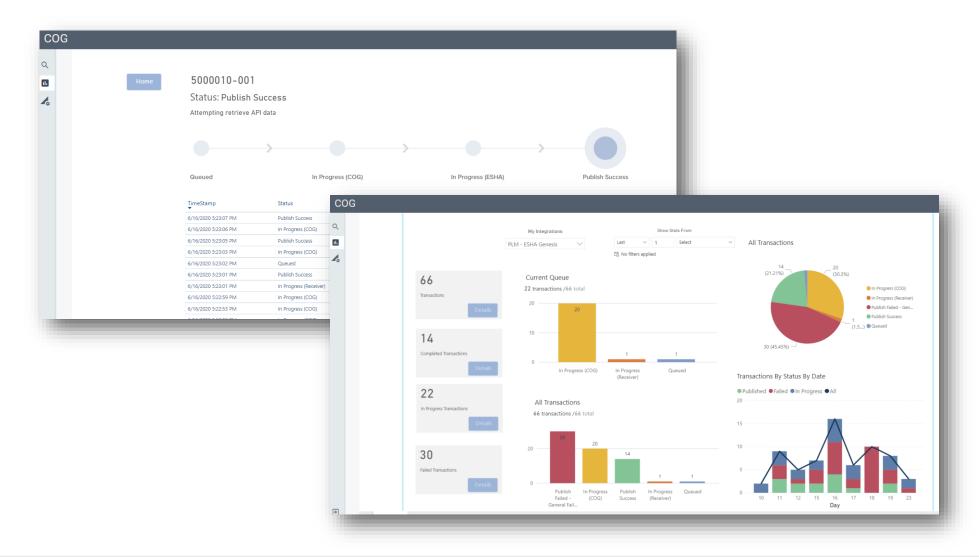
#### Test & Deploy

- ✓ Automated testing built in
- ✓ Efforts focused on acceptance, not quality

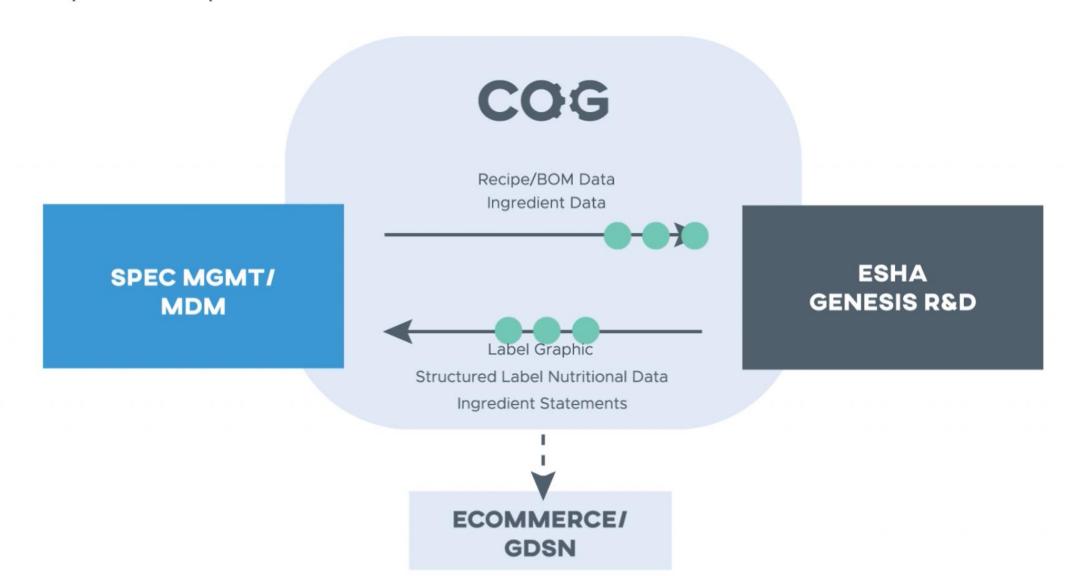
#### Maintain

- Monitoring and support included
- ✓ KPI and status dashboards
- ✓ Managed infrastructure

### Advanced Insights & Monitoring



# **COG** Integration Better | Faster | Cost-effective



### **COG** Case Study

### **Key Drivers for Decision**

- Preserve existing reporting and processes
- Genesis R&D is the "Gold Standard"
- Why Verdant?
- Why COG for Integration?
  - Approach is vendor agnostic and holistic
  - Pre-packaged, but extensible
  - Fully supported
  - Partnering with key solutions for the F&B space
  - COG is purpose-built <u>vs</u> a generic tech solution
    - ❖ Ex. → Dashboards are built with business in mind
  - Scalable platform that grows with needs
    - ❖ Ex. → Image import scope addition

### Integration Between Oracle PLM to Genesis R&D

#### **Benefits for Kraft Heinz**

- ✓ Less Invasive; familiar to users
- ✓ Investment preserved
- ✓ Project length is short
- ✓ Tool will keep up with regulatory changes







Questions can be submitted by typing your questions into the "Questions" dialog







#### Want more information?

- ✓ You will receive a follow up email
  - Links to recording & contact info will be included
- ✓ Contact us directly at:
  - <u>info@verdantservices.com</u>
  - sales@esha.com

### The **COG** Advantage

#### **Accelerated Deployment**

- Off the shelf connectors for popular vendor tools (like ESHA's Genesis R&D)
- Proven process orchestrations and transformations that can be extended and tailored
- Turnkey, template-based methodology

#### **Low Total Cost of Ownership (TCO)**

- Subscription-based service
- No new infrastructure needed
- End-to-end support monitored & fully supported

#### **Enterprise-grade**

- Modern & scalable
- Monitoring