

# Real-time Trusted Connections

## “Remote Verifiability + Full Automation”

Industry Called On Centricity To Solve A Problem They Had Not  
We Architected The Trellis Framework With These Leaders

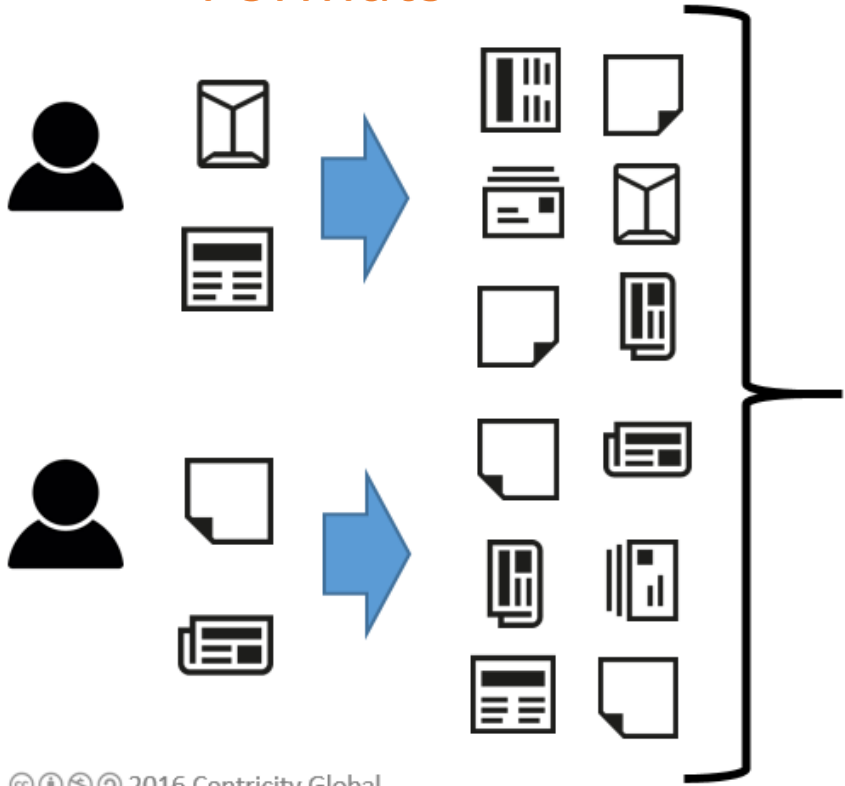


Trellis Framework Committee/Participants:

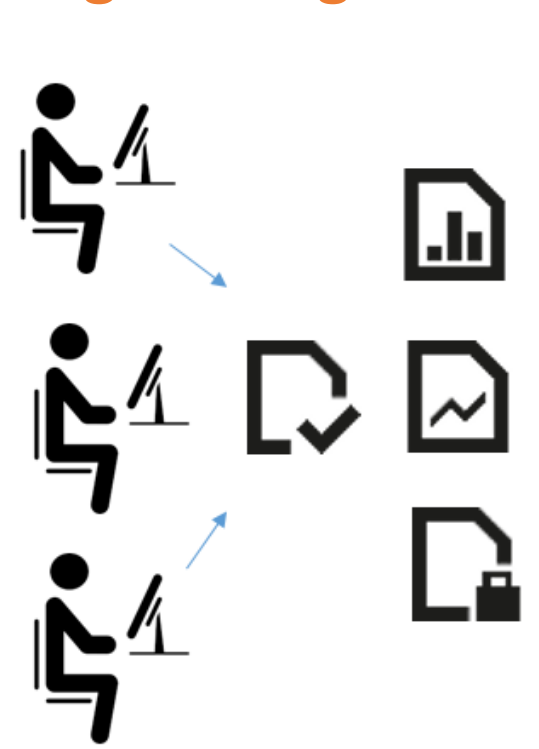
Agrogroup, Azzule, Basin Gold, Centricity, Church Brothers, CPMA, Domex, Driscoll's, FoodLogIQ, Giumarra, GLOBALG.A.P., Kingdom Fresh, PrimusGFS, Star Produce, Sysco, Tanimura & Antle, United Fresh, WQS



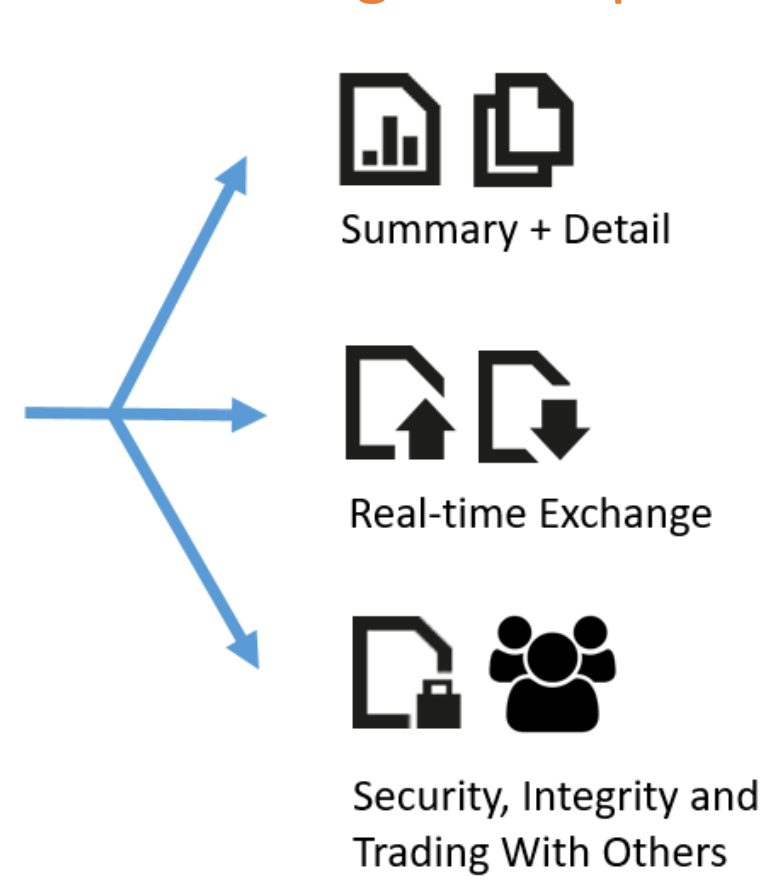
# Data With Many Formats



# Is Costly To Align & Organize



# Information Sharing is Complex



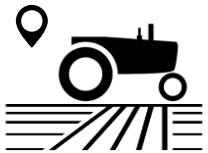
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# Trellis Explained: It Begins With Connections

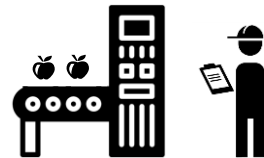


Certification Body

Blue = Business Connection



Grower



Packer/Shipper/Processor



Distributor



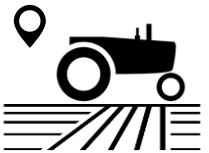
Retailer

# Trellis Framework for Knowledge Exchange

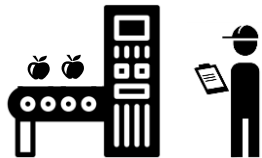


Certification Body

..... = Framework (Common Language)



Grower



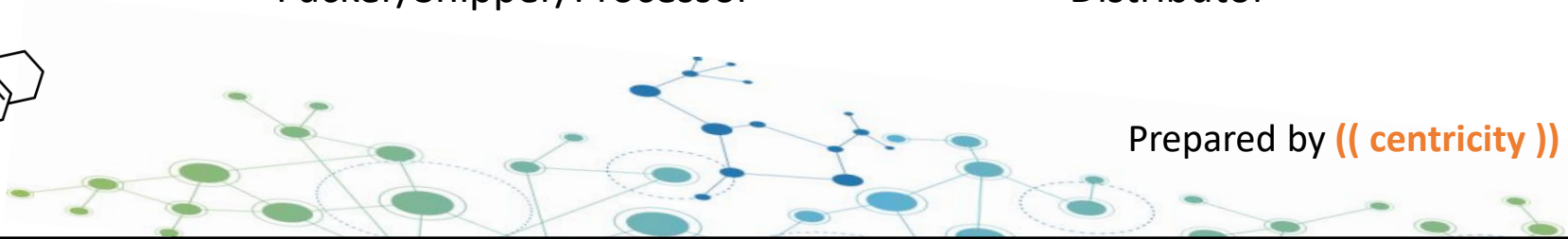
Packer/Shipper/Processor



Distributor

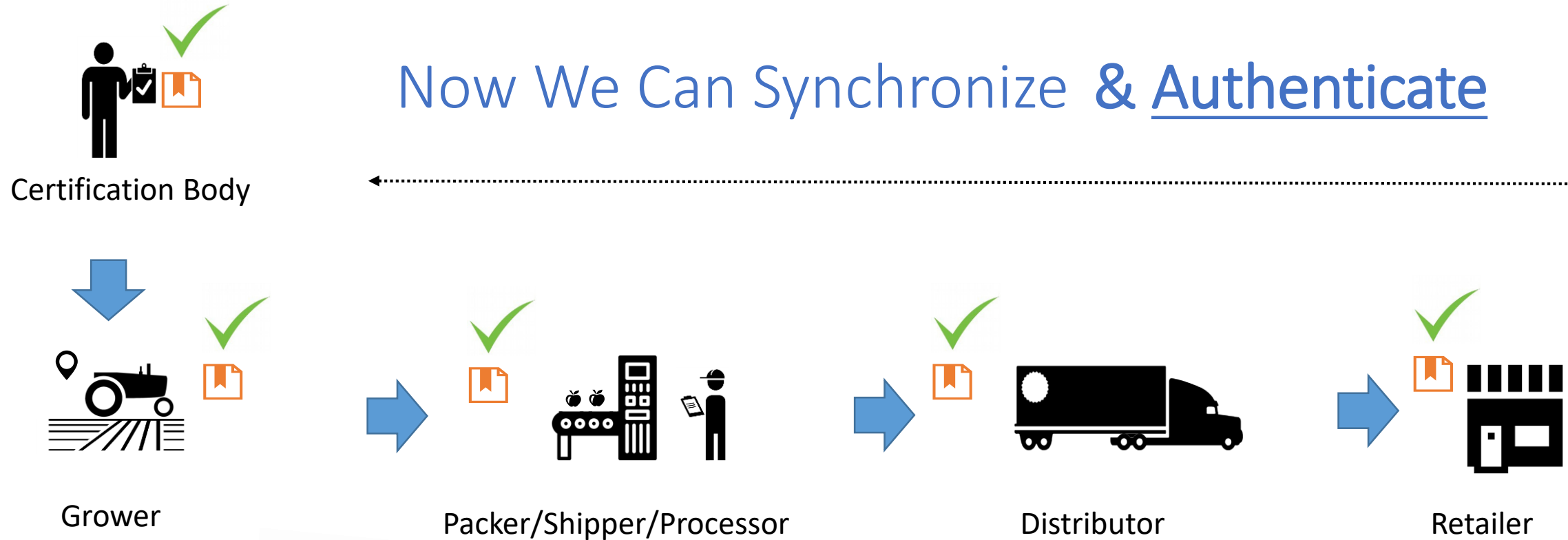


Retailer



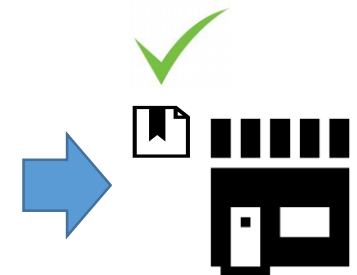
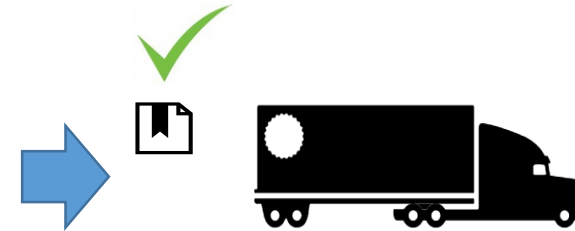
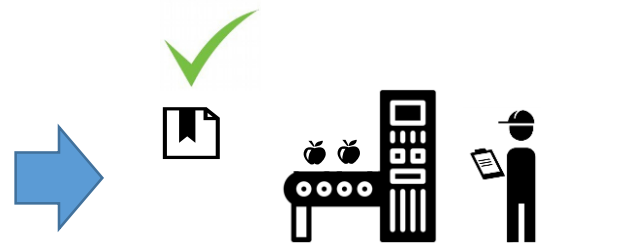
# Unbreakable Math Without Blockchain

Now We Can Synchronize & Authenticate

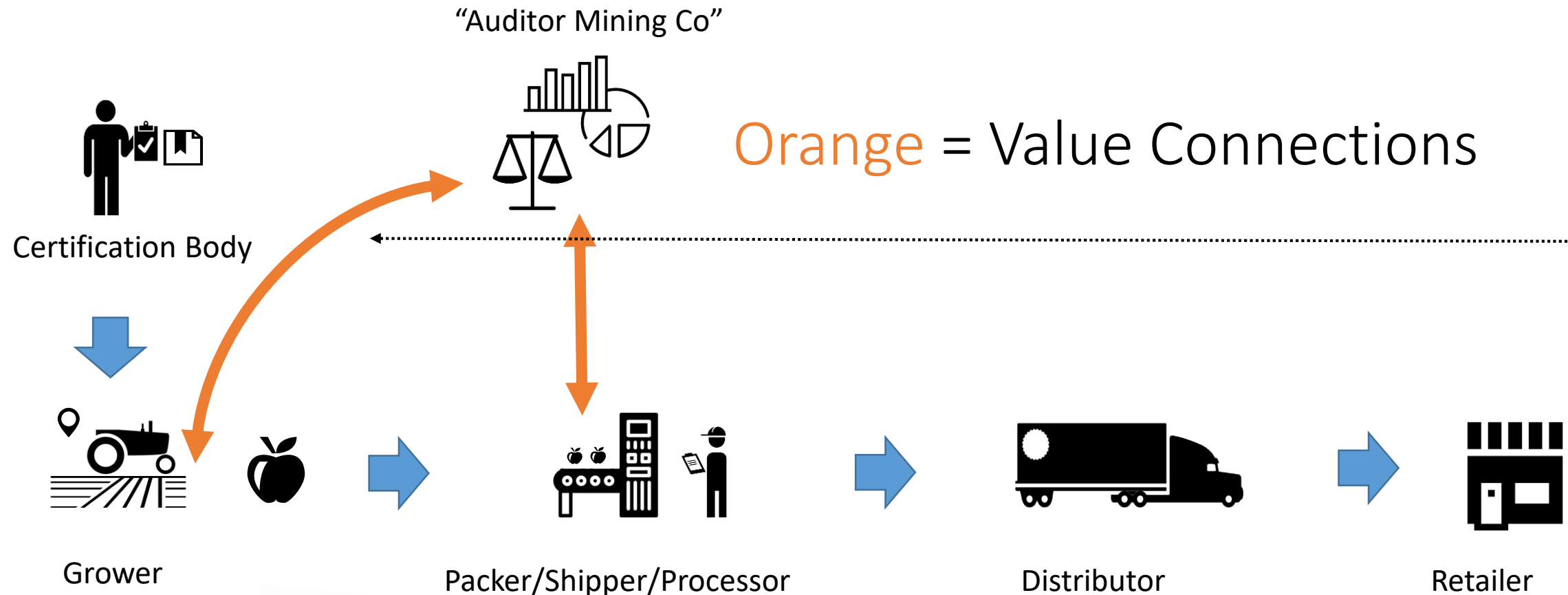


# Real-time Trusted Connections At Scale

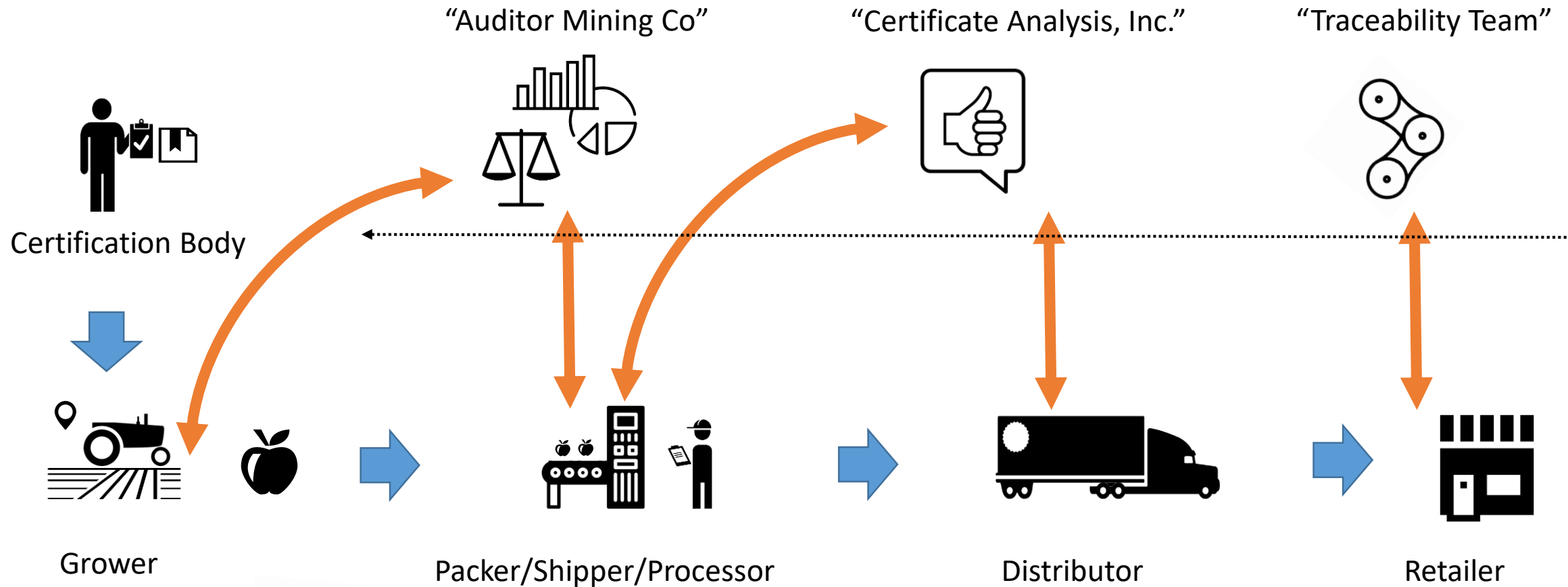
- ✓ Connections Are Authorized
- ✓ Sharing Permissions Defined
- ✓ Updated and Verified In Real-time



# Trellis Framework for Value Exchange



# An Open Ecosystem for Innovators





# Business & Technology Leaders Welcome

Open-source opens new doors and lowers costs for all



*Innovation In Real-time, Interoperable and Equitable Knowledge Exchange*

Founding Director Members

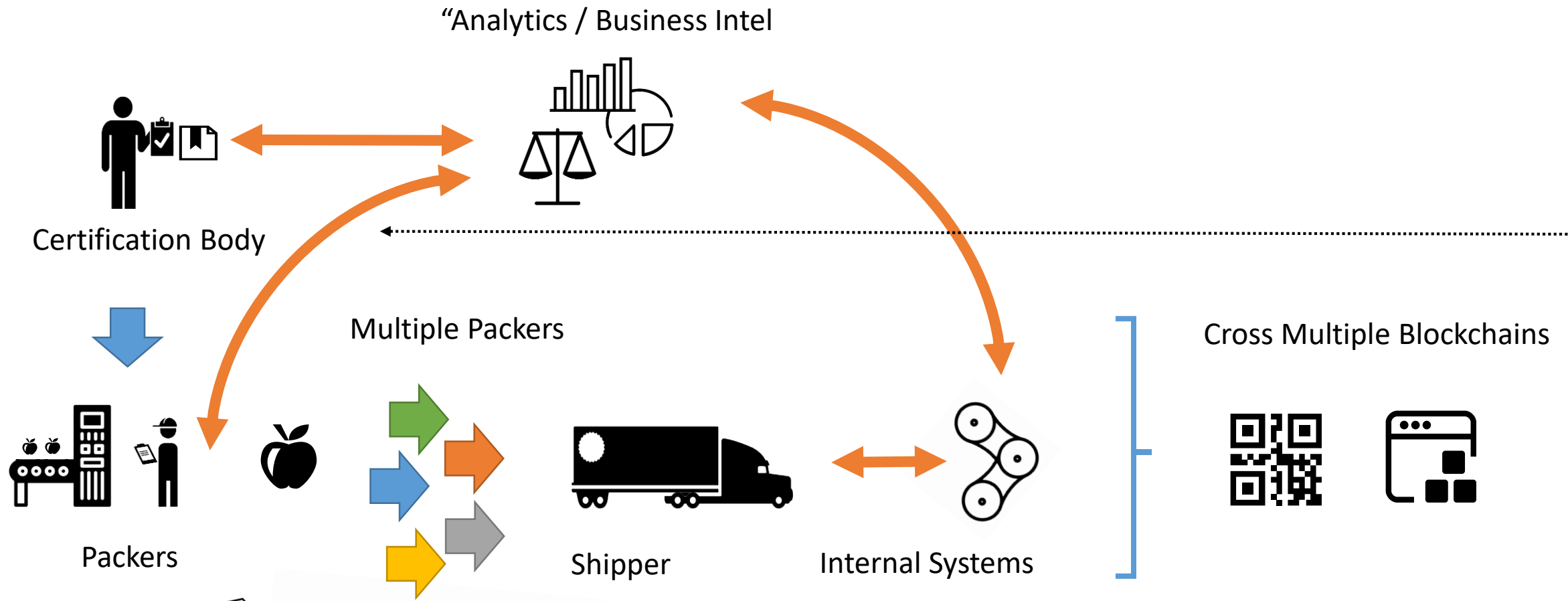


# Pilot Project Templates

**How can we work together?**

Following are three sample pilots you could start with, or contact us to explore options.

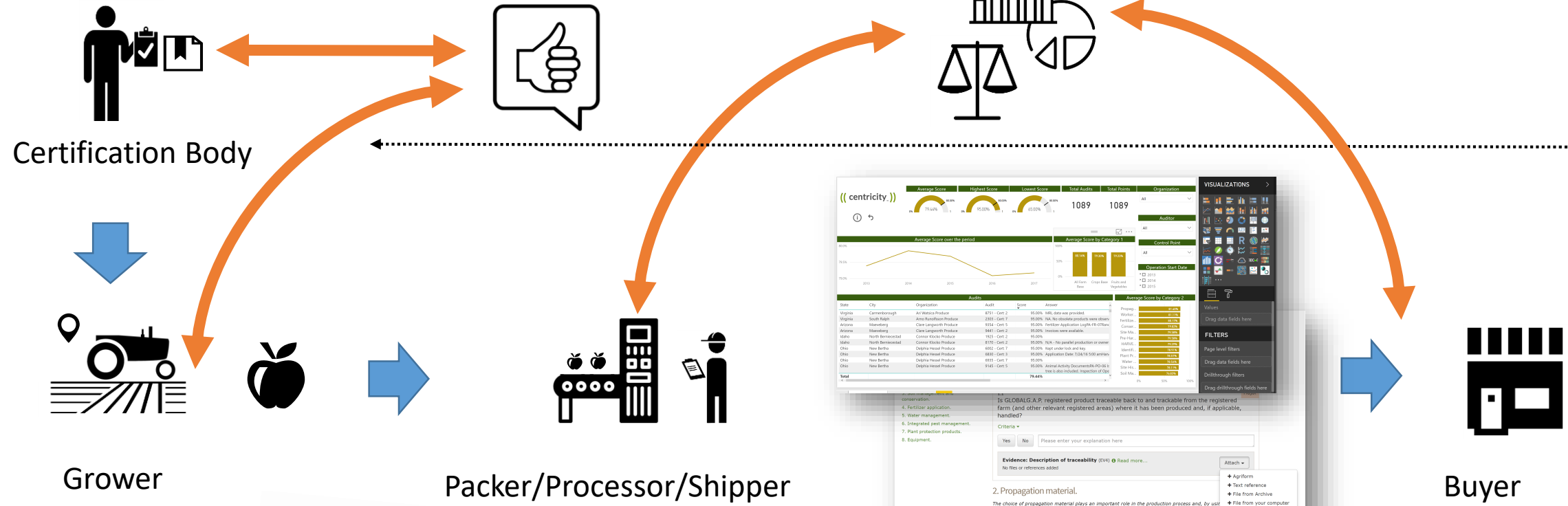
# 1. Aggregating Data From Many to Many



# 2. Lower Audit Costs and Data Mgmt Expense

“Evidence / Remote Audit Software

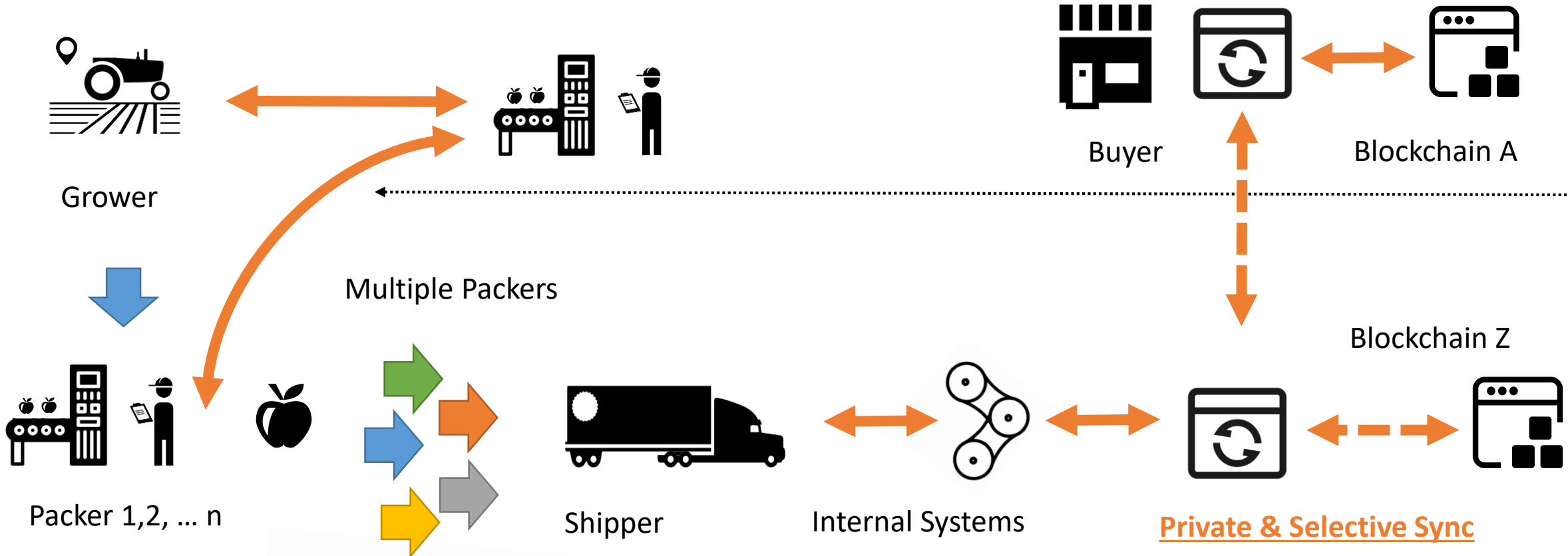
“Analytics / Business Intel



The screenshot shows the Centricity software interface. At the top, there are summary statistics: Average Score (79.4%), Highest Score (95.0%), Lowest Score (55.0%), Total Audits (1089), and Total Points (1089). Below this is a line graph showing the Average Score over the period from 2013 to 2017. A table of audit results is displayed, with columns for State, City, Organization, Audit, Score, Answer, and Organization. The table lists various audits across different states and organizations, including Virginia, North Carolina, Arizona, Michigan, Idaho, North Carolina, Ohio, and Ohio. Below the table is a traceability form with a question: "Is GLOBALG.A.P. registered traceable back to and trackable from the registered farm (and other relevant registered areas) where it has been produced and, if applicable, handled?". The form includes a "Yes/No" selection, a "Please enter your explanation here" field, and an "Attach" button. The "Evidence" section shows a description of traceability (EVI) and a list of criteria: 2. Propagation material, 2.1. Quality and Health.

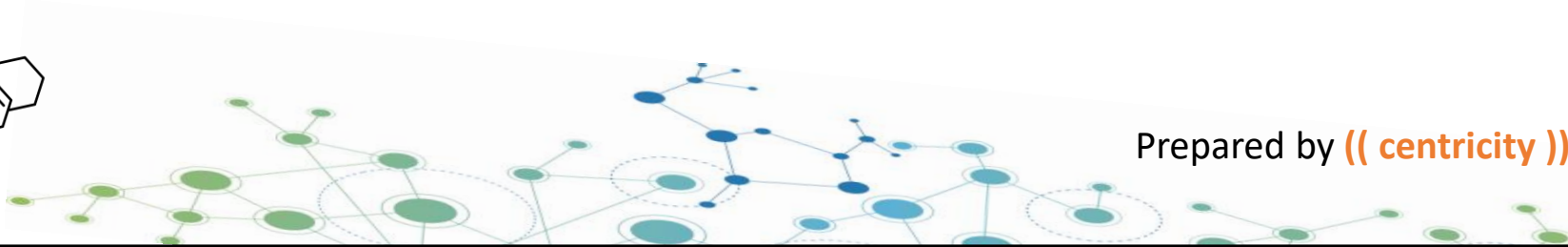
# 2. Exchanging PTI/ASN/Audit Data

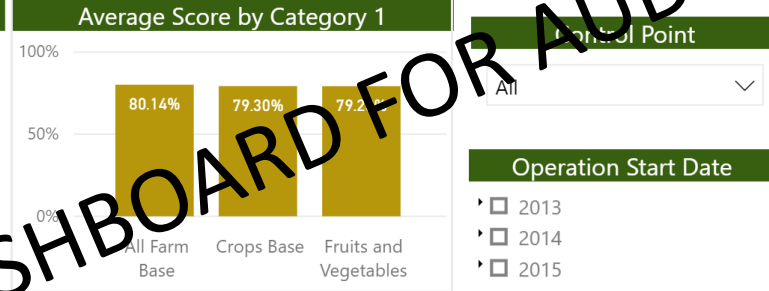
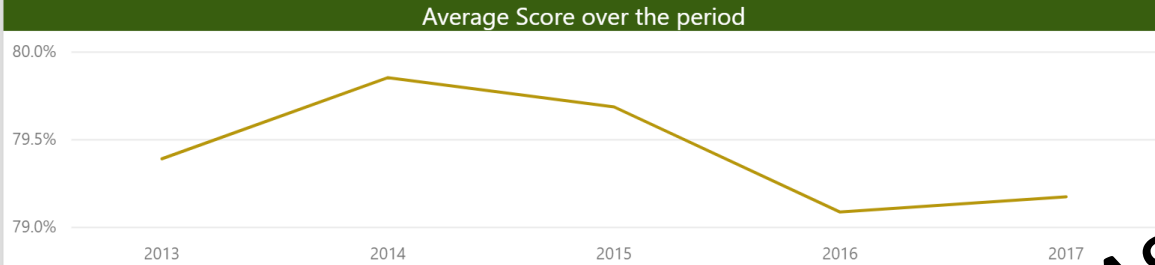
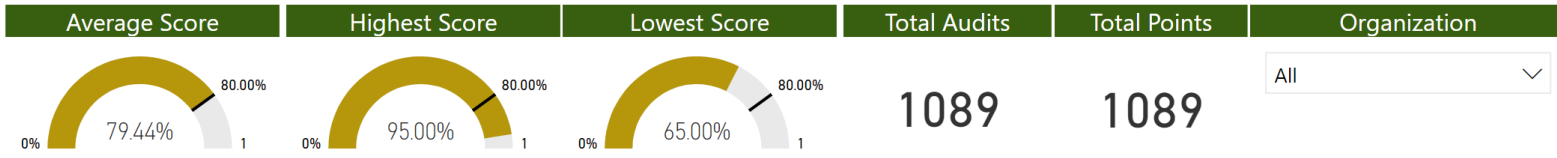
“Trading Partners / Neighbors



# Example Compatible Applications

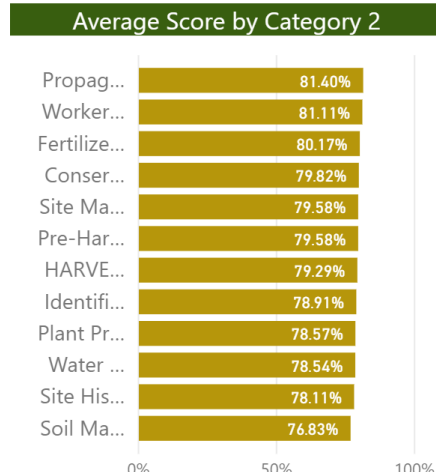
**Dashboard for Analyzing Audit Data**  
**On-Farm Compliance Document Manager**





### Audits

State	City	Organization	Audit ID	Score	Answer
Virginia	Carmenborough	Ari Watsica Produce	9351 - Cert: 2	95.00%	MRL data was provided.
Virginia	South Ralph	Arno Runolfsson Produce	2503 - Cert: 7	95.00%	NA. No obsolete products were observ
Arizona	Maeveberg	Clare Langworth Produce	9354 - Cert: 5	95.00%	Fertilizer Application LogPA-FR-07Ranc
Arizona	Maeveberg	Clare Langworth Produce	9441 - Cert: 2	95.00%	Invoices were available.
Idaho	North Berniecestad	Conner Klocko Produce	1925 - Cert: 2	95.00%	
Idaho	North Berniecestad	Conner Klocko Produce	8170 - Cert: 2	95.00%	N/A - No parallel production or owner:
Ohio	New Bertha	Delphia Hessel Produce	6002 - Cert: 7	95.00%	Kept under lock and key.
Ohio	New Bertha	Delphia Hessel Produce	6830 - Cert: 3	95.00%	Application Date: 7/24/16 5:00 amHarv
Ohio	New Bertha	Delphia Hessel Produce	6935 - Cert: 7	95.00%	
Ohio	New Bertha	Delphia Hessel Produce	9145 - Cert: 5	95.00%	Animal Activity DocumentsPA-PO-06 Is tree is also included. Inspection of Ope
<b>Total</b>				<b>79.44%</b>	



### VISUALIZATIONS

### FILTERS

Page level filters

Drag data fields here

Drillthrough filters

Drag drillthrough fields here

Filters: Answer: all ▾

- Top ▲
- Module Crop Base
- 1. Traceability.
  - 2. Propagation material.
  - 3. Soil management and conservation.
  - 4. Fertilizer application.
  - 5. Water management.
  - 6. Integrated pest management.
  - 7. Plant protection products.
  - 8. Equipment.

## 1. Traceability.

*Traceability facilitates the recall/withdrawal of foods and flowers and ornamentals and enables customers to be provided with targeted and accurate information concerning implicated products.*

1.1 Major

Is GLOBALG.A.P. registered product traceable back to and trackable from the registered farm (and other relevant registered areas) where it has been produced and, if applicable, handled?

Criteria ▾

Yes
  No

**Evidence: Description of traceability** (EV4) [Read more...](#)

No files or references added

Attach ▾

- + Agriform
- + Text reference
- + File from Archive
- + File from your computer

FARM MANAGEMENT – DATA COLLECTION TOOLS

## 2. Propagation material.

*The choice of propagation material plays an important role in the production process and, by using appropriate varieties, can help to reduce the number of fertilizer and plant protection product applications. The choice of propagation material is a precondition of good plant growth and product quality.*

### 2.1. Quality and Health.