



ARIS User Group

ARIS Reporting in Cargill

May 20, 2010



ARIS Reporting in Cargill

Presenters:

- Mary Waters
 - Business Systems Analyst for Cargill for 14 years working primarily on Accounting and treasury systems.
 - Using ARIS since January 2009 primarily overseeing modeling rules, methods and conventions and monitoring model quality. Including providing the training for new users and creating basic WYSIWYG reports.
- Brandon Wicklund
 - Joined modeling team in November 2009 as technical modeler. Primary responsibility is creating custom ARIS reports.
 - Prior to joining the modeling team, spent 10 years as a software engineer primarily focused on Lotus Notes/Domino development and other web technologies.



Agenda

- Background of Cargill
- Tartan Program
- Overview of ARIS use within Tartan
- ARIS Reporting in Cargill
 - Reporting needs
 - History of Reporting
 - Current reporting state
 - Useful information on ARIS Reporting



Cargill touches lives in more ways than you'd imagine.



From formula that helps infants grow



to icing on birthday cakes



to zero-calorie sweetener in your coffee



to hamburgers on the grill



to foam cushions in couches and cars.

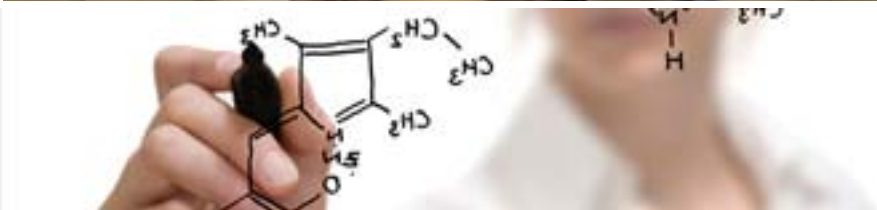
Cargill touches the world of business too. From farmers to Fortune 500 companies.



Creating supply chains and shipping products to over 6,000 ports worldwide



Helping farmers optimize yields, store crops and access the best markets



Formulating better-tasting recipes for restaurants and packaged foods



Creating food ingredients that promote health



Managing risk and stabilizing pricing for farmers and corporate customers

From our modest roots in the United State's Midwest, Cargill has grown to be a global leader in food and agriculture.

| 2009 FORTUNE Global 500 | | |
|-------------------------|-------------------|-----------------------------|
| 1. | Royal Dutch Shell | 458,361 |
| 2. | Exxon Mobil | 442,851 |
| 3. | Wal-Mart Stores | 405,607 |
| 4. | BP | 367,053 |
| 5. | Chevron | 263,159 |
| 6. | Total | 234,674 |
| 7. | ConocoPhillips | 230,764 |
| 30. | Siemens | 123,595 |
| | Cargill | 120,439 ¹ |
| 31. | Pemex | 119,235 |

Annual ranking of the world's largest corporations

Revenues (U.S. \$ millions)

¹For year ended May 31, 2008

Source: FORTUNE magazine, July 20, 2009

Our strength is our ability to connect expertise around the world.

North America
51% of gross investment
61,000 employees

Europe/Africa
26% of gross investment
21,000 employees

Latin America
13% of gross investment
40,000 employees

Asia/Pacific
10% of gross investment
37,000 employees

159,000 employees
in 68 countries.

As of May 31, 2009

Tartan Program

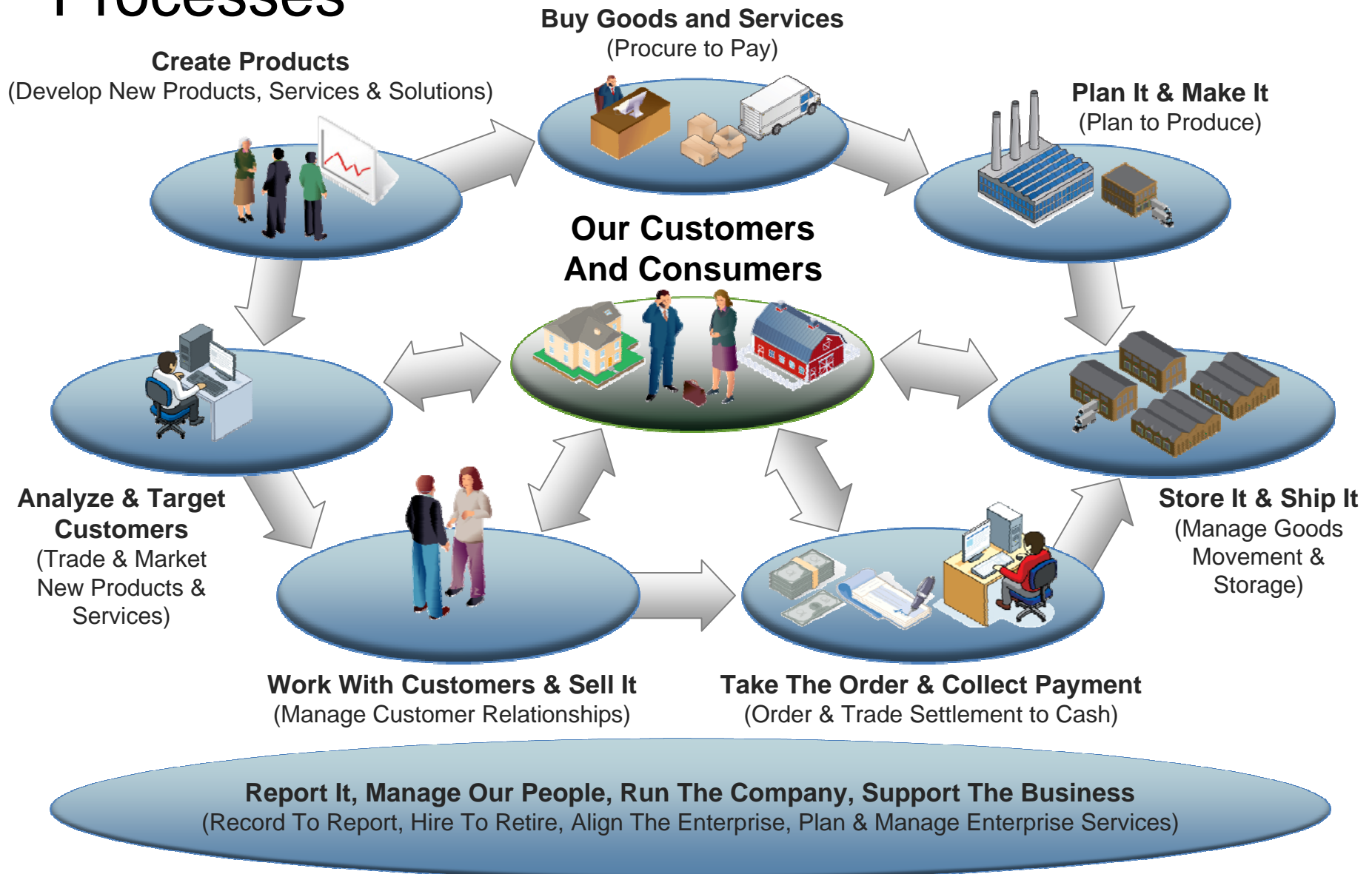
Through Tartan we are going to do three things:

- Improve processes we use to run and manage our business and make them common across Cargill.
- Improve how we capture and maintain our critical business information.
- Simplify our applications and upgrade the technology that supports them.

The benefits of Tartan are a more uniform customer experience, better innovation, reduced costs and increased revenue, better integration of acquisitions, greater connectivity, and nimbleness.



Tartan Scope Spans Eleven Major Business Processes



Overview of ARIS use within Tartan

- ARIS selected for its integration with SAP Solution Manager
 - SAP is the primary application enabling our process improvements
 - SolMan is used to document the configuration and house the project documentation
- Synchronization with SolMan
 - ARIS system of record for process hierarchy
 - SolMan system of record for roles, transactions, and configuration
- ARIS Applications used
 - ARIS Business Designer/Architect for SAP version 7.1 SR5
 - ARIS IT Inventory



Overview of ARIS use within Tartan cont.

- User Base
 - 40 Business Designer/Architect users: 5 full time modelers
 - 350 Publisher
 - 170 IT Inventory
- Process Modeling environment
 - Use 4 levels to define the processes
 - 11 Major Processes
 - 90 Processes
 - 340 Sub-Processes
 - 650+ Sub-Process Activities
 - 4,900 Activities



ARIS Reporting in Cargill

Reporting needs

- Relationship Analysis
 - Relationships between roles and transactions by activity
 - Relationships between master data items and transactions by activity
- Process Hierarchy
- Model Quality Reports
- Automation
 - Moving FADs and Functions
 - Aligning FAD objects from sync
 - Importing objects and updating attributes



ARIS Reporting in Cargill

History of Reporting

- No in-house programming resources
- Attended ARIS Report writing class
 - Covered some WYSIWYG and Scripting
 - Able to have one on one time which helped understand intricacies of creating reports through WYSIWYG
- Multi-step processes to create complex reports
 - Used Finds, pre-defined, and custom WYSIWYG reports to pull information from ARIS into Excel
 - Use MS Excel formulas and MS Access databases to join data sets and identify exceptions



ARIS Reporting in Cargill

Current reporting state

- Technical modeler dedicated to creating reports in ARIS Script
- Working to formalize request process
 - Report requests filtered through ARIS knowledge experts
 - Requirements are documented using consistent template
- Change management process
 - Reports created on test server
 - Initial testing performed on test server
 - Reports moved to production server and retested in a sandbox database



ARIS Reporting in Cargill

Useful information on ARIS Reporting

- WYSIWYG Reports
 - Once understand logic easy for non-programmers to quickly create basic reports
 - Only allows for inner join
 - Cannot perform any comparisons or calculations
 - Prior to SR5 issues can be encountered when outputting large data sets to Excel. Work-a-round output to HTML then open in Excel.
- Script
 - Programmer can define join type, comparisons and calculations
 - Can output large data sets to Excel
 - Can create re-usable functions
 - Method help extremely helpful



ARIS Reporting in Cargill

Sample reports

- Model Quality Report

Microsoft Excel - sap-component-not-consistent.xls [Compatibility Mode]

| | A | B | C | D | E | F | G | H |
|----|---|---------------|--|--|---|-------------|---------------------|-----------------------------------|
| | Activity Name | Major Process | Process | Sub Process | String not found: TH_SUB_PRCS_ACTIVITY_NAME | Symbol Type | SAP Component | Error Type |
| 1 | Complete required information for GL Account Maintainer | 01_RTR | RTR_01.01_Perform General Ledger Accounting | L3_RTR_01.01.02_Build and Maintain Financial Master Data | L4_RTR_01.01.02A_Build and Maintain Financial Master Data | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 3 | Verify Configuration | 03_PMES | PMES_03.06_Manage IT Services | L3_PMES_03.06.14_Configuration Management | L4_PMES_03.06.14F_Configuration Verification and Audit | Function | Z_REMEDY_ASSET_MGMT | Manual symbol w/ System component |
| 4 | Apply Data Standards to Resource Master | 09_PLTP | PLTP_09.32_Execute Production/Operations - Org Hierarchy & Master Data | L3_PLTP_09.32.09_Maintain Resource Master | L4_PLTP_09.32.09A_Maintain Resource Master | Function | Z_EP | Manual symbol w/ System component |
| 5 | Generate excise tax reports | 01_RTR | RTR_01.19_Perform Indirect Tax Accounting & Reporting Activities | L3_RTR_01.19.11_Prepare / Review Excise Tax Return | L4_RTR_01.19.11A_Prepare / Review Excise Tax Return | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 6 | Determine if Contract is on Target or Not | 13_MCR | MCR_13.04_Drive On-Going Customer Focus | L3_MCR_13.04.03_Manage On-Going Contracts | L4_MCR_13.04.03A_Manage On-Going Contracts | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 7 | Contact Receive Services Clerk | 10_P RTP | P RTP_10.07_Process Vendor Invoice & Payment | L3_P RTP_10.07.03_Verifying Logistics Invoices | L4_P RTP_10.07.03A_Validate Logistics Invoices Against PO | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 8 | Request Incentive & Commissions Draft | 08_T&M | T&M_08.06_Implement Marketing Plan | L3_T&M_08.06.08_Create Draft ICE Agreement | L4_T&M_08.06.08A_Create Draft ICE Agreement | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 9 | Validate Profit Center Request | 01_RTR | RTR_01.15_Perform Profit Center Accounting | L3_RTR_01.15.01_Maintain Profit Center Hierarchy and Master Data | L4_RTR_01.15.01A_Maintain Profit Center Hierarchy and Master Data | Function | Z_EP | Manual symbol w/ System component |
| 10 | Replicate GL Maintenance to Appropriate SAP Clients | 01_RTR | RTR_01.01_Perform General Ledger Accounting | L3_RTR_01.01.02_Build and Maintain Financial Master Data | L4_RTR_01.01.02A_Build and Maintain Financial Master Data | Function | Z_ERP_CWM | Manual symbol w/ System component |
| 11 | Approve LCM reserve | 01_RTR | RTR_01.01_Perform General Ledger Accounting | L3_RTR_01.01.09_Perform Inventory Valuation (Non-Trading) | L4_RTR_01.01.09B_Perform LCM Evaluation on Physical Inventory | Function | Z_ERP_CWM | Manual symbol w/ System component |

ARIS Reporting in Cargill

Sample reports

- FAD Beautification: Before and After

