

# Doing business aided by knowledge

The success behind business intelligence

Emiel van Bockel Centraal Boekhuis



# **Award winning BI project**





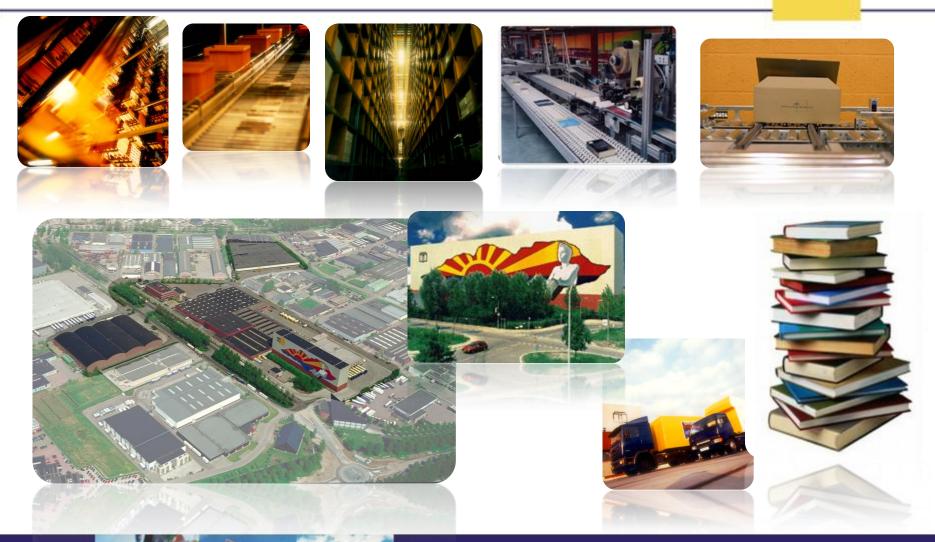


- Could you tell us more about it?
- What is behind its success?



# **Company impression**





#### **Profile**



#### Centraal Boekhuis

- The leading logistic service provider (Dutch book market)
- Linking pin between publisher and bookseller
- Storage, distribution and transportation of books
- Invoicing, accounting and information
- More than 67 million books a year





# **Business Intelligence @ CB**



- Aiding our mission
  - Operational excellence in logistics for the supply chain
  - Supporting our customers (distribution and sales information)
- Internal Business Intelligence
  - The flow of goods (books)
  - Revenues (of our services)
- External Business Intelligence
  - > Publisher
  - Bookseller

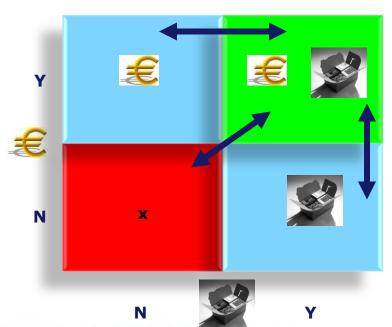




# **Internal Business Intelligence**







- Bookflow analyses (logistics)
- > Revenue analyses (services)
- Customer analyses (market)









# **External Business Intelligence**



publisher

Centraal Boekhuis

bookseller



#### **Need for information**



# Dutch publishers

- Increasing competitive market
- More need for information
- CB delivers logistic as well as information services

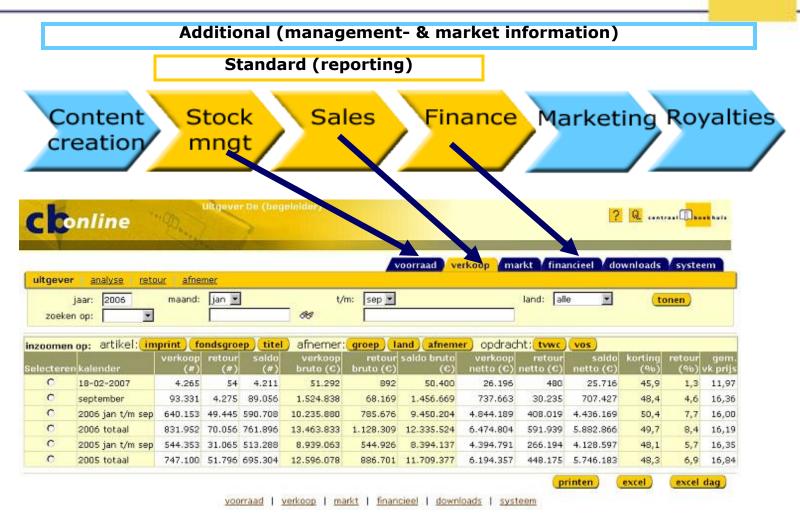
#### Information

- Managing primary processes
- Insight in costs and cash flow
- Analysis and forecasting
- Stronger negotiation position with booksellers
- Benchmarking



#### **Process and information**







#### The success



#### Publishers

- Very satisfied (enthusiastic)
  - Score "good" to "very good"
  - > 75% of all publishers (500) live within 1 month
- They say they are better informed

#### The commercial success for CB

- the given target is realized 5 times faster
- ROI < 1 year</p>
- 25% growth within the first year

#### Users

- > 500 Publishers
- > 1500 Named users





#### What's behind the success



- Put the user in the middle
- The level of information
- "You don't know, what you want to know."

"What decisions need to be made?"





#### The user





#### **BOEKENBAL 2008**

CPNB

dinsdag 11 maart, 20.00 Grote Zaal KAARTEN BESTELLEN

di 11 maart

Op de avond voorafgaand aan de Boekenweek wordt Het Boekenbal

gehouden. Het traditionele openingsbal waar heel literair Nederland feest wiert, vindt al sinds 1946 plaats in de Stadsschouwburg. Ægelopen jaar was het Boekenbal, met het thema Lof der Zotheid, weer een echt schrijversbal. Honderden auteurs, van Remco Campert en A.F.Th. van der Heijden tot Kluun en Saskia Noort, de eregasten Geert Mak en Kees Fens en natuurlijk Harry Mulisch maakten het met hun aanwezigheid tot een groots feest.

www.cpnb.nl ₽





Clear overview

Consistency

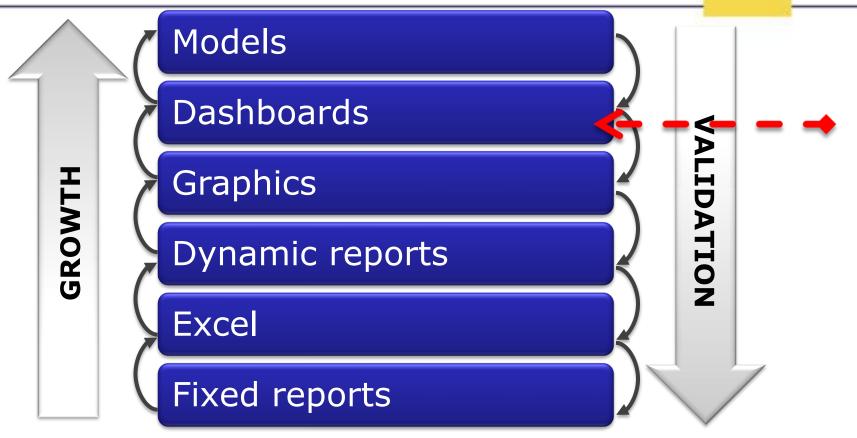






#### Level of information





- Everybody walks through every level
- You can't start at an upper level

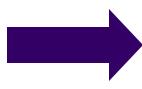


# "You don't know, what you want to know"



- What does a user want to know?
  - > Everything
  - Especially, NOW!
- sql prompt> select all from database;







- Nice report, but can it be changed ...
- Nice report, but I don't really need it ...

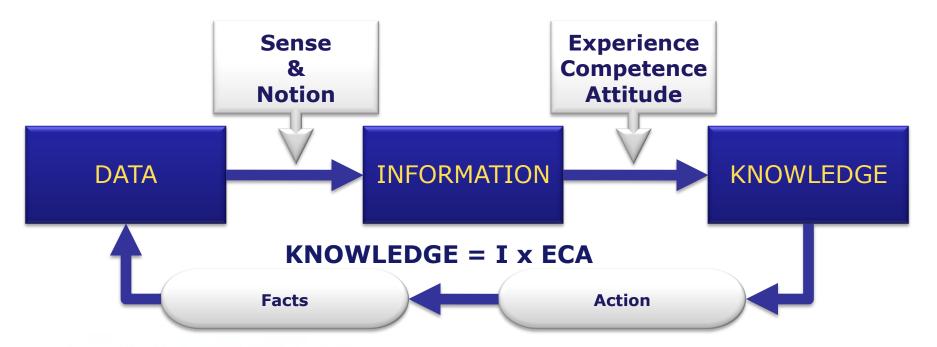


#### "Which decisions need to be made?"



# Business Intelligence

- ▶ Business ≈ doing business
- ▶ Intelligence ≈ it's about knowledge
- Doing business aided by knowledge





#### "Which decisions need to be made?"



- Sales manager
  - Hurry up, I am late!
- Racing driver
  - With oversteer it will be ok!
- Courier
  - Can I park my truck?
- Employee
  - > I am going to fill up my car first..







# My advise



- ~20% information
- ∼80% ECA
- 1. Put the user in the middle
- 2. Define your business processes
- 3. Decide which decisions need to be made
- 4. Relate the information to it
- 5. Don't change your course of action!







#### 1. Put the user in the middle

- 2. Define your business processes
- 3. Which decisions need to be made?
- 4. Relate the information to it.
- Don't change your course of action!



# Simple reports

- Clear overview
- Consistency
- Flexible (filters & zoom in)







Put the user in the middle

# 2. Define your business processes

- 3. Which decisions need to be made?
- 4. Relate the information to it
- Don't change your course of action!







- 1. Put the user in the middle
- 2. Define your business processes

#### 3. Which decisions need to be made

- 4. Relate the information to it
- 5. Don't change your course of action

# Fast movers - reprint (enough stock) (too multiple of the stock)

**Backlist** 

- clearance, destroy

(too much stock)



- 1. Put the user in the middle
- 2. Define your business processes
- 3. Which decisions need to be made?

# 4. Relate your information to it

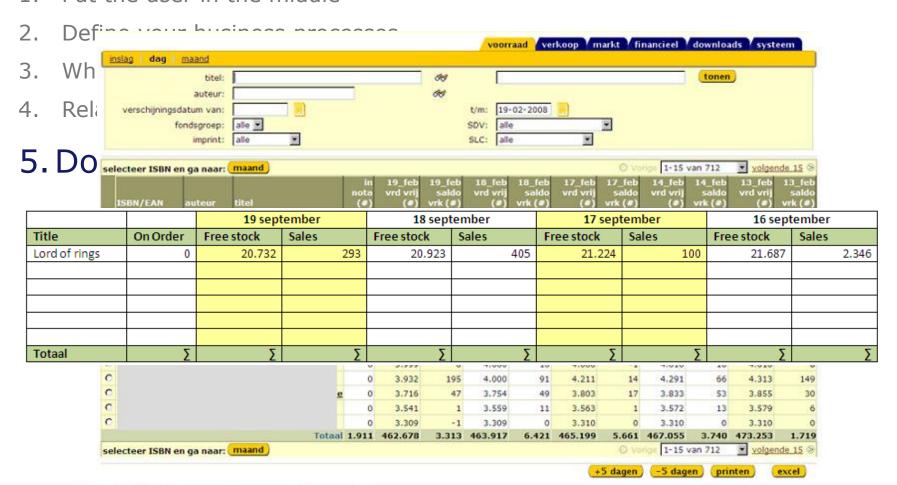
5. Don't change your course of action

Publisher			
proces	decision	information	data
Stock management	Reprint	Stock (high level)	Free stock
		Sales (detail)	Sales last 21 days
	Clearance	Stock (detail)	Free, reserved, blocked stocks
		Sales (high level)	Returns
		s	Sales last months/years





Put the user in the middle





### Lessons learned (My own pitfalls)













#### **Emiel van Bockel:**

- ✓ We have tools
- ✓ We have data
- √ We have technical skills



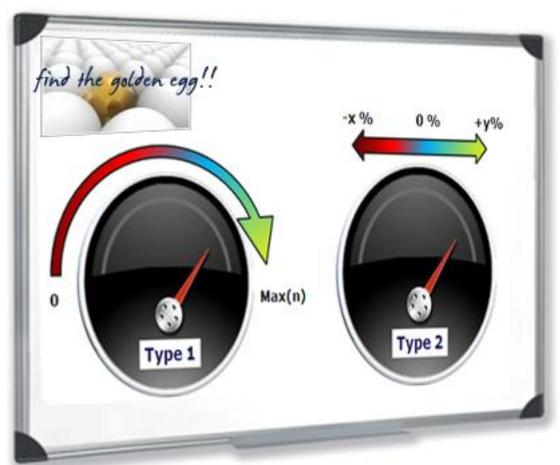
#### **Publisher:**

- √ We don't understand it
- √ We just want a report
- √ We need an egg to cook!



# My mission





#### Two indicator types

- 1. moving up
- 2. moving left/right



# Dashboard indicator type 1





My own reaction:

- 1. Wow that was easy!
- 2. What can you decide with it?
- 3. When can you decide something?

It's goes very slow .. 365 steps

It's a Q4 indicator!

- I need a graph
- I just need more information
- Else it's useless



# **Dashboard indicator type 2**





#### Try this at home and ask yourself:

- 1. What information can I fill in?
- 2. What can I decide with it?
- 3. When can I decide something?
- 4. What process does my decision aid?

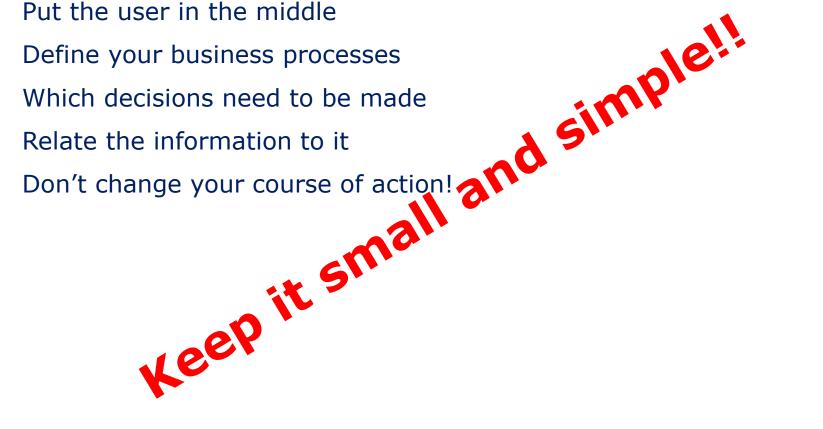
This is the world upside down!!



# So please



- Put the user in the middle







# **Business Intelligence**

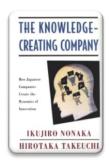


- It's not about gathering information and hope you can find a decision to make
- It's about gathering decisions and hope you can find information to create



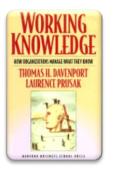
# **Suggested Reading**





**IKUJIRO NONAKA / HIROTAKA TAKEUCHI** 

The Knowledge creating company



THOMAS DAVENPORT / LAURENCE PRUSK

**Working Knowledge** 



**MATHIEU WEGGEMAN** 

Kennismanagement: de prakijk





# Do you have any questions?

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