

Klantcase APG Investments

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Agenda

1. Over APG Investments en EOM
2. Rendement en Risico
3. Gekozen aanpak
4. Architectuur
5. Data Integration
6. Waar staan we nu en waar gaan we naartoe?

Over APG Investments

- Beheert vermogen APG (ca. €200 miljard)
- Circa 450 medewerkers verspreid over Heerlen, Schiphol, New York en Hong Kong

Over EOM

- Business Intelligence met SAS
 - Advies
 - Architectuur
 - Uitvoering
- Datawarehousing, BI, Analytics
- 10 medewerkers en gestaag groeiend
- Alleen SAS
- SAS Partner sinds oprichting in 1998

Rendement en Risico



nu

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ambtenaren



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later

beleggen



aandelen



ijzer



goud



obligaties



onroerend goed



infrastructuur

Rendement en Risico

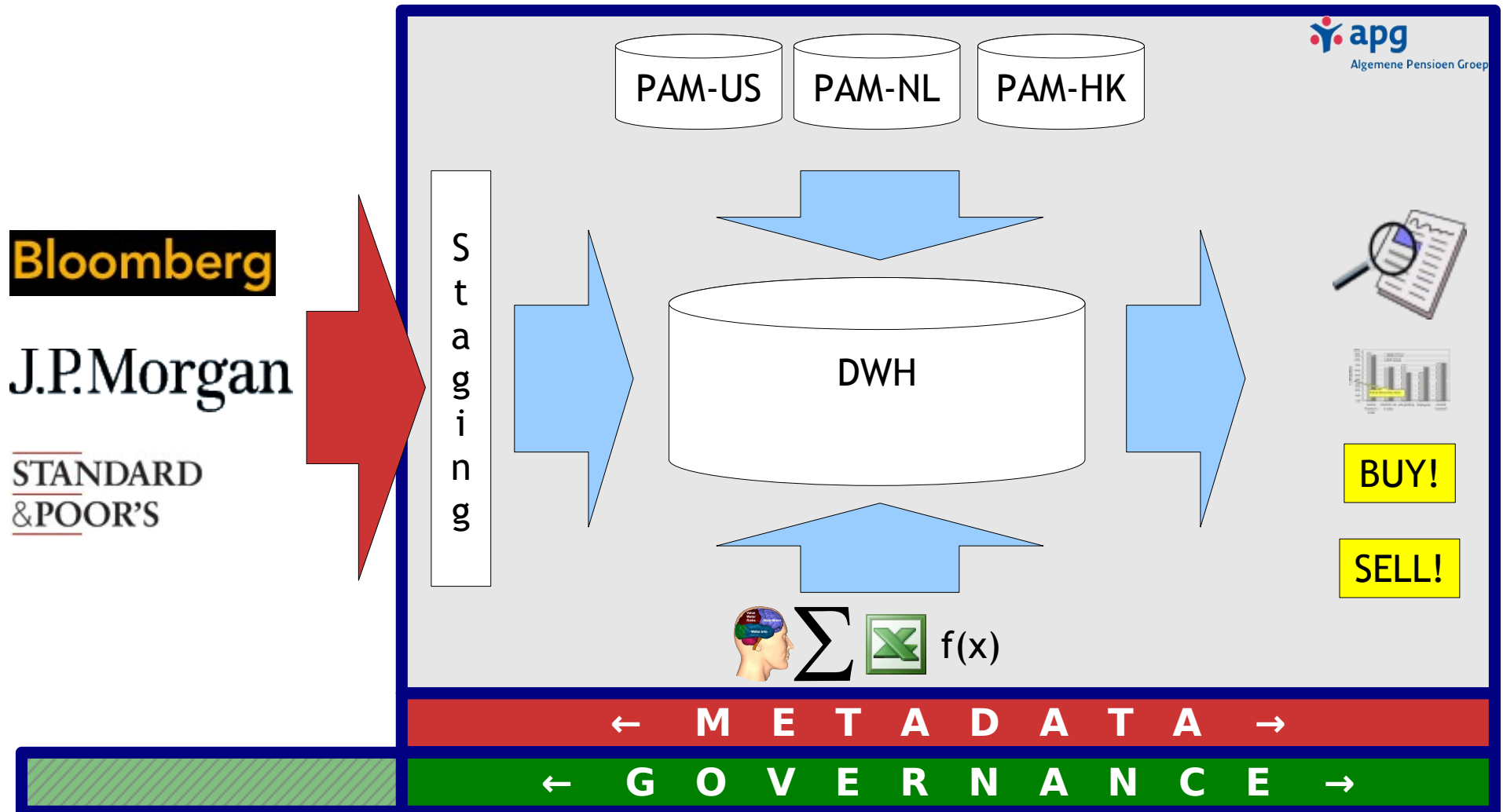
Beleggingsbeslissingen op basis van:

- Eigen gegevens
 - Wat hebben we (*Cash* en *Posities*, vastgelegd in PAM)
- Externe gegevens:
 - Prijzen in de markt (koersgegevens)
 - Ratings (bijv. S&P: AAA rating Rabobank)
 - Benchmarks (bijv. AEX ter vergelijking)
 - ...

Gekozen aanpak

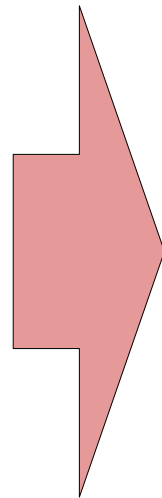
- Datawarehouse
- Eerst alle data erin, daarna pas uitrollen
- Low-profile start
- Cultuur
- Business Intelligence Competency Center
- Beheer

Gekozen aanpak - Architectuur



Data Integration

Bloomberg
J.P.Morgan
STANDARD & POOR'S

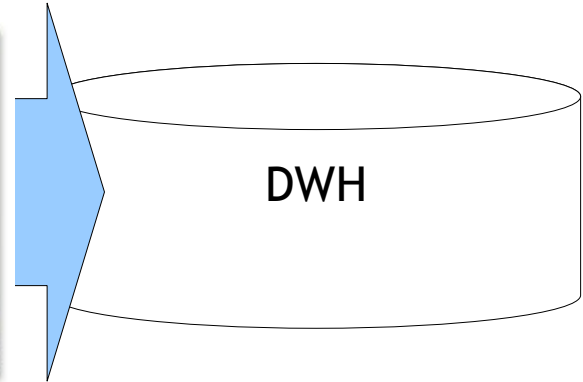
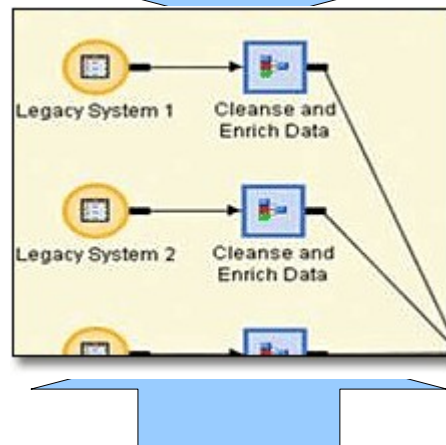


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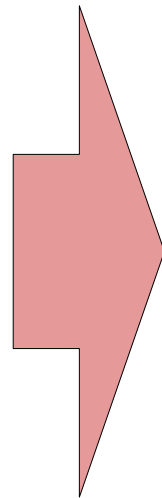


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Data Integration

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J.P.Morgan
STANDARD & POOR'S

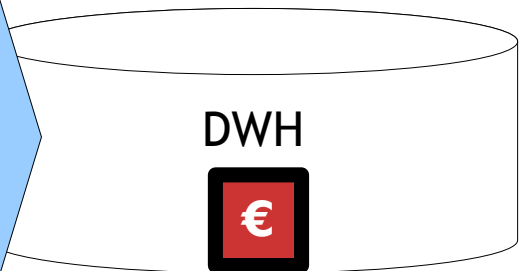
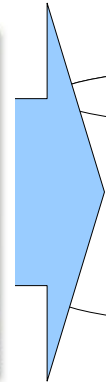
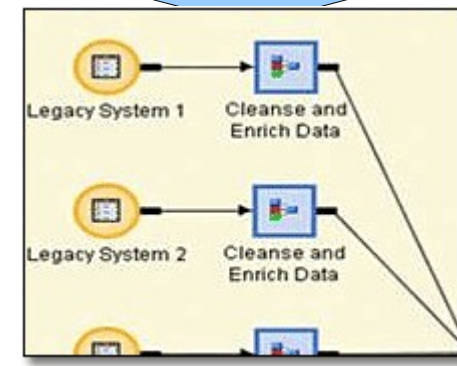


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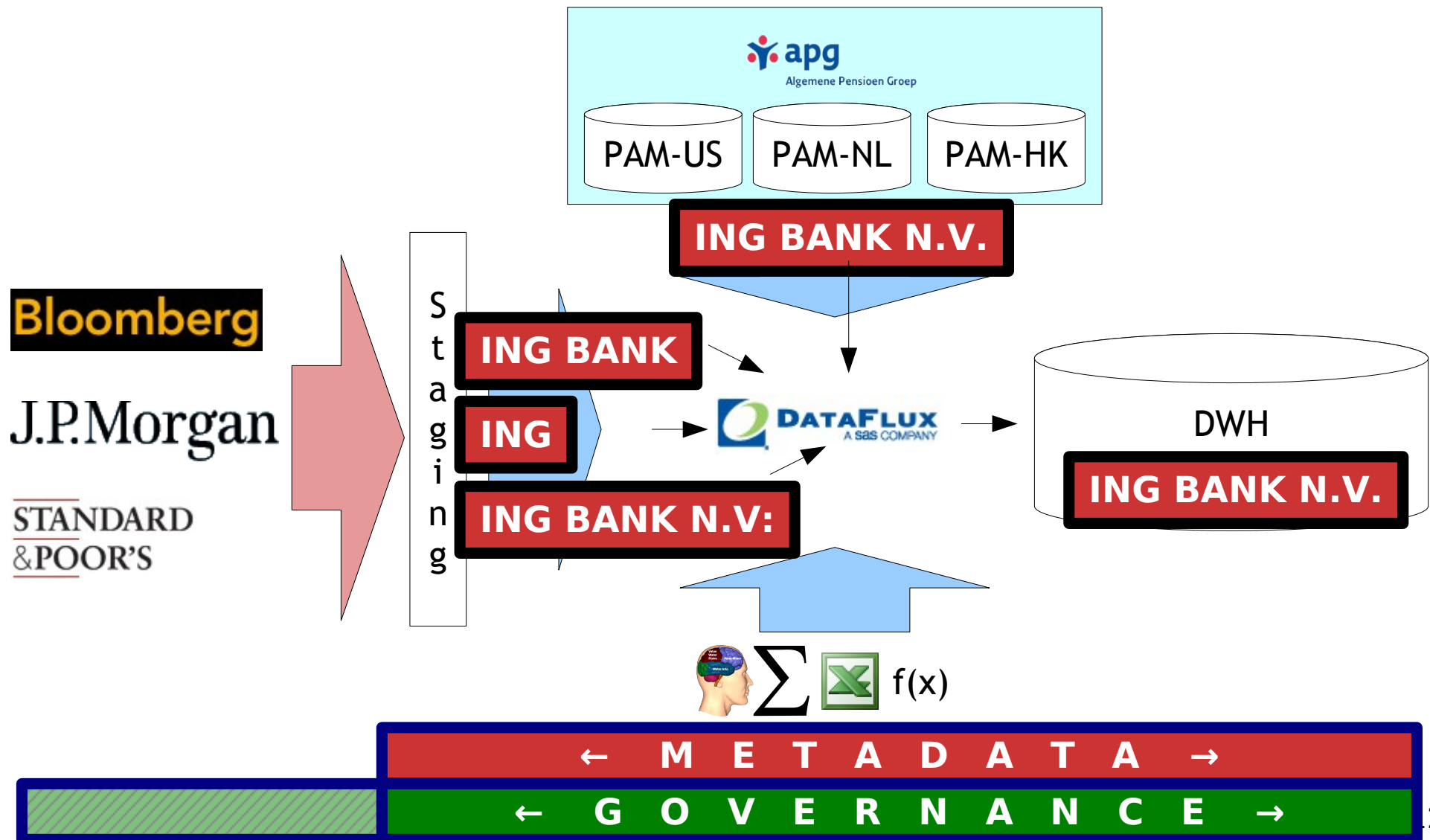


← **M E T A D A T A** →



← **G O V E R N A N C E** →

Data Integration



Data Integration

- Input: Flat Files
- Output: Oracle
- Data Integration: DI Studio 3.4
 - Business Rules
 - Decision Tables
- Data Quality: DataFlux (net begonnen)

Waar staan we nu?

- **The Gulf** ... convert from spreadmarts to more standardized views of information ...



Waar gaan we naartoe?

The Chasm ...

- executives need to perceive BI as a business-driven, mission-critical, enterprise resource
- IT department needs to consolidate analytical silos and rapidly deliver new applications and reports to meet new and fast-changing business information requirements.



Waar gaan we naartoe?

- Global
- Custodians
- Vraaggedreven
- Analytics

VRAGEN