



Bayer CropScience

ICIS 2009

Nunhems DST (Data Selection Tool)

Casper aan den Boom



Nunhems DST - Data Selection Tool

- ◆ IRRI-CRIL → Retriever (RTV) in MS-Access

- ◆ Nunhems (2001 - ± 2005)
 - ◆ → RTV from IRRI-CRIL via DLL @ ICIS v2, v3, v4
- ◆ Nunhems (±2006 - ± 2008)
 - ◆ → NUN-RTV @ ICIS v5.3 in MS-Access linked to Oracle

- ◆ Nunhems (2008 -)
 - ◆ → NUN-DST @ ICIS v5.5 (**ICIS Global**) via one template MS-Access front-end linked to Oracle+VPD for ALL users

NUN-RTV@ICIS v5.3 vs NUN-DST@ICIS v5.5

- ◆ One RTV per team
 - ◆ Multi user, 2–5 users for each RTV
 - ◆ Static linked tables/views to each team view-database in Oracle
 - ◆ Different functionalities in each RTV
 - ◆ Querying in MS-Access and in Oracle (SQL)
 - ◆ Temp. data storage in MS-Access, all data via Oracle table/view or exported
 - ◆ Reports use the MS-Access report builder

 - ◆ Maintenance is a nightmare
 - ◆ With intensive use RTV size grows quick (up to 1 GB)
 - ◆ No flexibility when (table/view-)structure in Oracle changes
- ◆ One generic application across all crops
 - ◆ “Single user”, copy template to user temp folder and dynamic link to Oracle+VPD.
 - ◆ Linked to one Oracle view database for all crops (via dynamic pt-queryies to Oracle+VPD)
 - ◆ Available functionalities depending on crop
 - ◆ Querying takes place only in Oracle (SQL)
 - ◆ NO data storage in MS-Access, all data via Oracle table/view or exported
 - ◆ Reports still use the MS-Access report builder, Wish to switch to other tool (BO/CR?)

 - ◆ Maintenance is easy
 - ◆ DST size small (only code, no data)
 - ◆ Flexible



Bayer CropScience



Thank you very much for your kind attention.

