



STREAMLINING DATA COMPILATION AND DISSEMINATION Lessons Learned

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Introduction

- MSIS 2012



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Introduction

- ▶ **Why?**

- High maintenance costs
- Low coverage
- Problems of comparability between data

- ▶ **What?**

- Applications
- Procedures

- ▶ **Objectives**

- Better response rate
- Reduced delay in disseminating
- More indicators covering the DW agenda
- Improve overall data quality

Agenda

- ▶ **Lessons Learned**

- Changing the procedures
- Application development

- ▶ **Current status**

Changing the procedures

- ❖ *From Topic- to Country-centric approach*
 - «Country specialists» assigned based on language and cultural affinity
 - Coverage increased compared to last 5 years
 - Even with 72 indicators from 17 topics 📊
 - Training needed, specially on new topics
 - CS requesting improvements in contacts management tool

Changing the procedures

- ❖ *Towards timely and comparable data*
 - Timeliness has to be improved. What was wrong?
 - New questionnaire, broader and bigger
 - New topics
 - New IT tools, some under development
 - Comparability improved
 - Adhering to suggested breakdowns
 - Coded notes
 - Data quality improved thanks to extensive consistency checking

Changing the procedures

❖ *Towards timely and comparable data*

➤ For next collection:

- Some indicators to be simplified
- Some breakdowns to be simplified
- New data channels available
- Increase technical assistance to countries

❖ *Increase response rate*

Application development

▶ *“The size of the accomplishment can be measured by the obstacles you have to overcome to reach your goals”* – Booker T. Washington

- Conceptual design of new collection took too long and put high pressure on development
- An agile iterative–incremental development model was adopted to provide “ready-to-work” basic versions of the tools
- Early adoption of a new software platform in the ILO was the cause of several delays

Application development

❖ *“Vamos más despacio, Sancho, que estoy apurado”* - *Don Quijote de la Mancha* (Let's go slower, Sancho, I'm in a hurry).

- Some modules of the initial project were deferred because:
 - eQuestionnaire: We privileged backoffice editing tools aiming to efficiency and data quality
 - SDMX and csv upload: Many developing countries lack a repository of indicators as to easily generate the files in the format requested.

Application development

❖ *Knowing how it goes.*

- The Workflow Control Subsystem was misunderstood by the CS as a tool for controlling their work
- After some time, they started to understand the usefulness of having real time information of contacts made and data status
- Now they are providing feedback on improvements for the workflow dashboard reports

Application development

❖ *To BI or not to BI?*



Application development

❖ *To BI or not to BI?*








- ILOSTAT is based on Oracle technology platform (ILO standard)
- Dissemination based on WebCenter portal manager with OBI-EE for building the reports (Original idea)
- Standard BI reports were not able to handle breakdown's labels and footnotes properly
- Star-schema datawarehouse did not provide any added value to the solution
- Switched to ad-hoc reporting solution using ADF and a "flat" materialized view for dissemination
- Valuable help from the official statistics community in sharing experiences

Application development

❖ *All you need is data...*

- Fully metadata driven website
- Every navigation menu is contextual and is built dynamically
- Avoid duplication of efforts in editing web pages
- Minimize errors due to missed updates

Current status

- ❖ Increased coverage 
- ❖ Improved opportunity 
- ❖ Improved quality 
- ❖ Reduced overburden 
- ❖ Standards based 
- ❖ Metadata driven 
- ❖ General purpose 

Questions?



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Thank you!



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Changing the procedures

❖ *From Topic- to Country-centric approach*

