



הלשכה המרכזית לסטטיסטיקה
Central Bureau of Statistics
دائرة الإحصاء المركزية

Variables & Dictionaries Management System

Mrs. Limor Louie

It's All in the Numbers

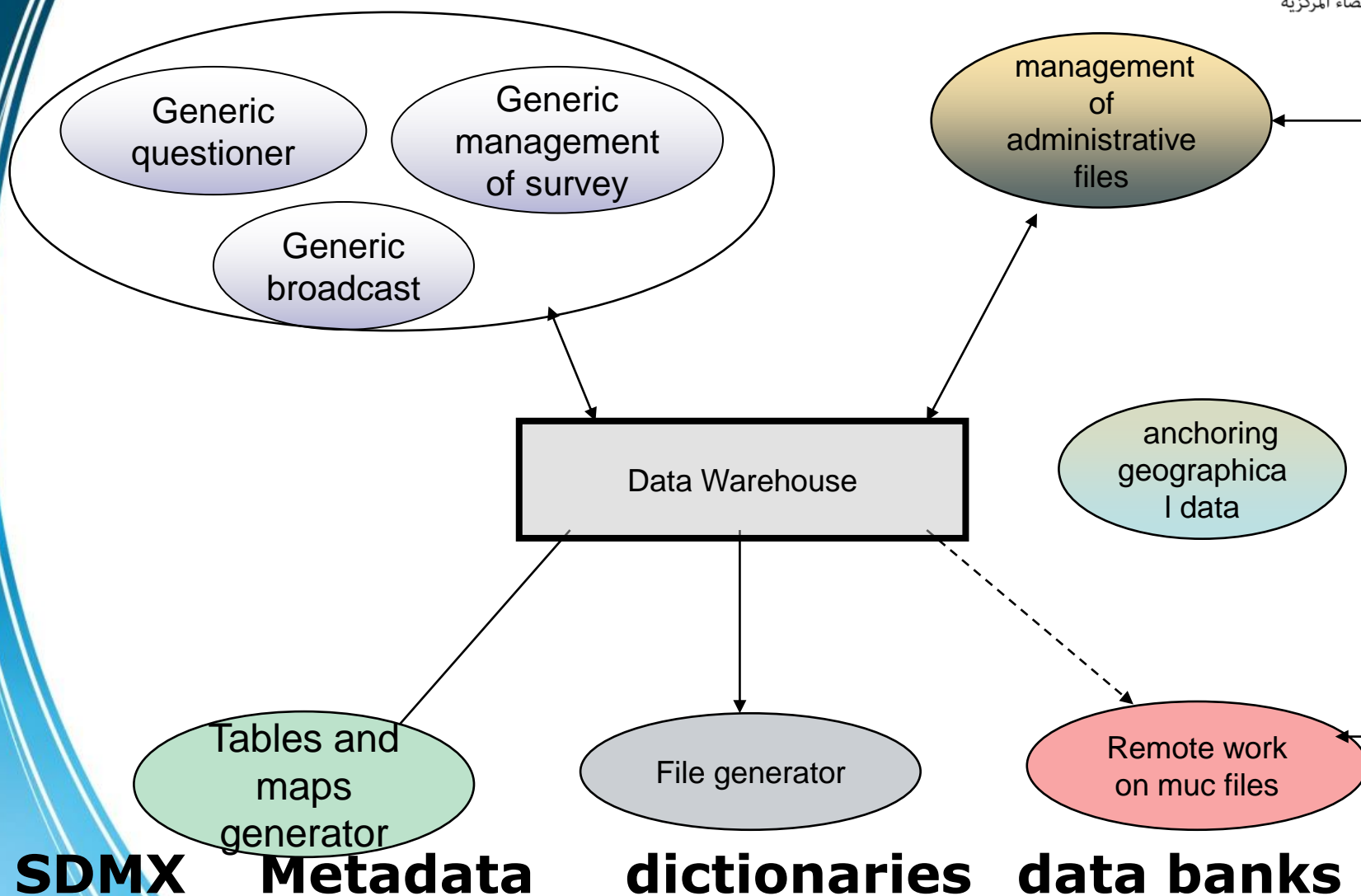
Agenda

- Background/ Motivation/ Overview
- Stakeholders and teams involved
- Tools in use
- Vision and Plan

Motivation

- Standardization, create a common language across CBS
- Singular, unified and reliable source
- Lead by IT – generic approach
- Enrich and Extend the term “dictionary”

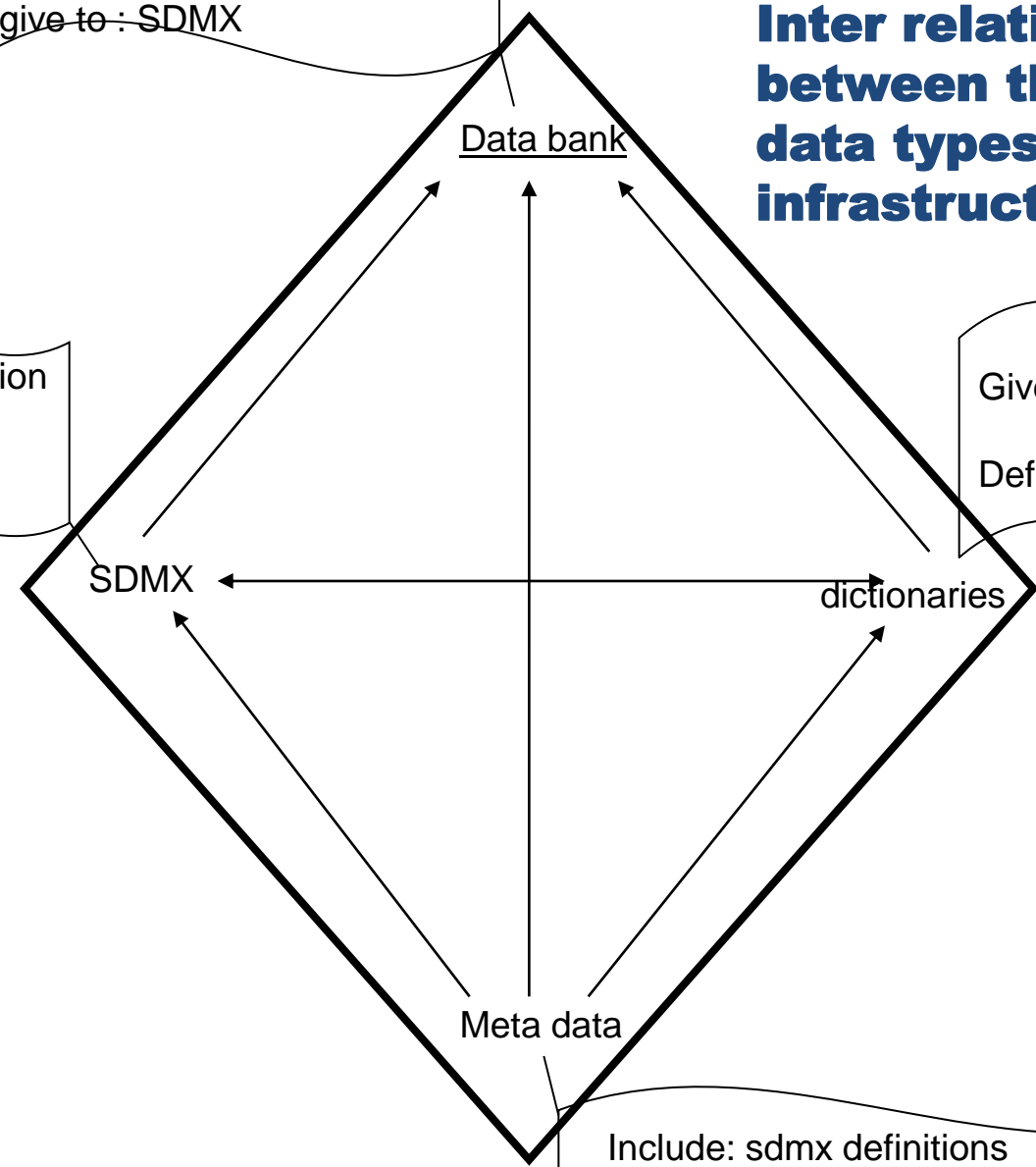
Work concept – generic systems



Widthwise data infrastructure

Inter relationships between the four data types infrastructures

Get from: codes from dictionaries
Metadata
give to: SDMX



Get from: metadata definition
Dictionaries
Activate by: data bank

Give to: data bank
Defined by: sdmx definitions

Include: sdmx definitions
Give to: data bank, dictionaries

What is dictionary?

Code	Name	Iso-2	Iso-3	OECD - code
580	DENMARK	DK	DNK	DNK
900	ISRAEL	IL	ISR	ISR
581	ICELAND	IS	ISL	ISL
286	HONDURAS	BZ	BLZ	HND

Stakeholders: External and internal

- External:
 - Customs
 - PIBA (Population and Immigration Authority)
 - Etc.
- Internal : Collaboration between Subject Unit Matter and Development team
 - Subject Unit Matter
 - IT and IT Infrastructure team
 - Isoped

Work circles



Tools developed

- UI for Subject Unit Matter admin:
 - Variables: Add, Edit and Remove
 - Dictionary: Add, Edit and Remove
- UI for all other users (queries and etc.)
- Development Tools: Web interface, SQLserver

Current plan

- Extend and enrich the system to include complex dictionaries
- Add surveys related dictionaries
- Support new subjects such as: foreign trade, Building

What's next

- Extend the metadata management system infrastructure
- Utilize data warehouse
- Make the system outcomes accessible for all ministries including API

Main challenges ahead

- More subjects, more users and data reliability
- Procedural: rely on “external” supplier
- Technological: data warehouse and big data should coexist

Questions?

Thank you!