Introduction to the Social Security Inquiry (SSI) | A Guided tour

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Introduction to the Social Security Inquiry
Outline

- SSI main objective and rational
- The database as a central point for integration
- **Where?** Countries covered
- **What?** Scope
- **How?** Data collection
- **How?** Data dissemination
- Overview of the database ….
- … **and the guided tour**:
  - Screen shots
- Next steps: under development and already planned
- What should be planned?

ILO Social Security Inquiry
Main objective

Collect, store and disseminate, on a regular and sustainable basis, comparable statistics on social security systems/programs financing, expenditure, benefit levels and coverage.

Collected information should:

- Allow the calculation of indicators for specific social security schemes, and some aggregated indicators at national level for as many countries as possible.

- Constitute a basis for analysis within the framework of studies and research work.

- Contribute (partially) to the realization of the SPERs and other elements of the diagnostic that are needed for policy formulation

- Be accessible to internal and external users
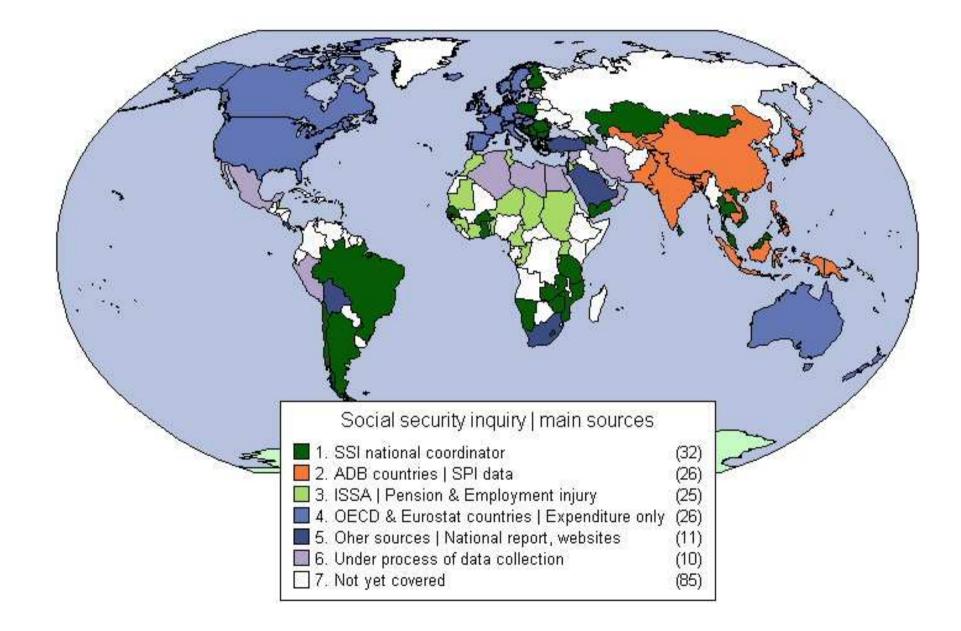
The ILO Social Security Inquiry: Rational

- Address the lack of (comparable) social security statistics outside the OECD world

- Follow-up to the ILO Inquiry into the Cost of Social Security, yet broader focus

- Systematic approach compatible with existing statistical standards (Methodological framework based on ESSPROS and OECD)

- Improve statistical knowledge base on social security on the national and international level

- Part of integrated approach of capacity building and awareness raising

The Social Security Inquiry:
The database: central point for integration

- The central point for integration of part of more specific departmental databases (micro insurance, actuarial activities, textual social security information)

- Aimed at becoming a Common Database (non ILO « limited »)

- Significant expansion in the last two years
  - Inclusion of ISSA - International social security association countries | More
  - Inclusion of data collected by ADB for the SPI project
  - Insertion of OECD data on social protection expenditure

- At present, nearly 100 countries … with "some" data
  - Mainly low and medium income countries
  - More data on expenditure | Less on coverage & benefit level

Point 2 | Geographical extension

Social security inquiry | main sources

■	1. SSI national coordinator	(32)
■	2. ADB countries	SPI data	(26)
■	3. ISSA	Pension & Employment injury	(25)
■	4. OECD & Eurostat countries	Expenditure only	(26)
■	5. Oher sources	National report, websites	(11)
■	6. Under process of data collection	(10)
☐	7. Not yet covered	(85)

Scope of the Inquiry

- **Includes data on:**
  - Expenditure and revenue at national level and scheme level
  - Coverage and benefit levels
  - Some background information

- **Covers both formal and informal schemes** (including micro-insurance schemes)

- **Functions covered**
  - The contingencies, risks and needs covered encompass those classified in ILO Convention No. 102 and ILO Recommendations Nos. 67 and 69 namely:
    - Old age; disability; survivors; sickness and health; unemployment; employment injury & occupational disease; family/children, maternity.
  - Supplemented by those encompassed in the wider definition of social protection namely:
    - Housing; Basic education, other income support and assistance (n.e.c.) /social exclusion.
  - **Labour market programmes** function has also been added to facilitate the correspondence between OECD-SSI and ADB-SSI

Data collection: Several options

- **Several options to fill the database**
  - **Option 1:** Data collection at the country level:
    - ↱ **The ideal case**: direct entry online by the national institutions …
      - Ministry of Finance: expenditure and financing on the national level, economic background information
      - Ministry of Labour, Health, etc.: Scheme inventory, socio-economic background information
      - **Social security schemes**: Scheme expenditure and financing, beneficiaries and protected persons, benefit levels
    - ↱ **The reality**: a national coordinator and hard work of identifying schemes and looking for information
  - **Option 2**: Inserting data from other sources and promoting the use of the social security inquiry tool by other organisations
  - **Option 3:** Import of existing data at international level: Developing functionalities to import data from existing sources, such as ESSPROS, SOCX, Population, Employment
  - **Type of data**: Mainly administrative data

Data dissemination

- **Differentiated access to the database**
  - Consultation versus edit mode
  - Access to scheme information versus aggregated information

- **Data can be disseminated depending on countries' preferences**
  - National aggregates
  - Data aggregated by functions or groups of schemes

- **Set of core indicators (automatic calculation from raw data)**
  - Expenditure and financing
  - Coverage: beneficiaries and protected persons
  - … and principle of Free public access to core indicators (aggregates)

Structure of the SSI
Different levels of information and different sources of information

National Level

Ministry in charge of social protection National institute of statistics	Ministry of Finances National institute of statistics
Background information - <u>Population data</u> - Employment data <u>**Inventory of social security schemes**</u>	**Background information** - GDP, Exchange rate, etc. **Social Security expenditure** **Social Security revenue**

Scheme Level

Scheme 1 Online data entry at scheme level - expenditure - revenue - beneficiaries - benefit levels	Scheme 2 Online data entry at scheme level - expenditure - revenue - beneficiaries - benefit levels	Scheme 3 Online data entry at scheme level - expenditure - revenue - beneficiaries - benefit levels

Core of the information in SSI

Let's go ....
Online data input: main page [@]

EDIT mode: insertion, modification

Normal mode: Simple consultation

Online data input: main page
levels of information

National level

- **What?**
  - **Economic & financial information**
  - **Population**
  - **Employment**
  - **Poverty section *to be developed***

- **Sources**
  - **International data sources (automatic insertion)**
  - **National sources**

Scheme level

Core data in SSI

National | scheme data

Data entry online

Automatic calculation of indicators

National level
Financial background information

- GDP, inflation and exchange rate
  - **Sources**: World bank for international data, otherwise national data

- Social expenditure and Social Revenue in IMF/GFS standards (1986 and 2001)
  - **Sources**: IMF for international data (loaded) otherwise national data
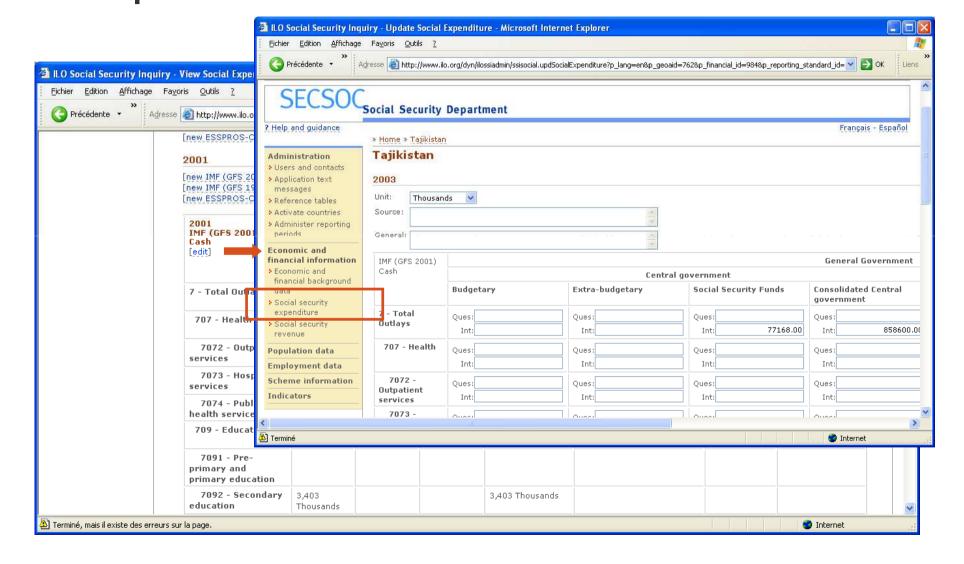
- Aggregated social protection expenditure in EUROSTAT/ESSPROS standard
  - **Sources**: SOCX and ESSPROS databases, otherwise national data

National level Economic & Financial background information - Uzbekistan [@]

National level
Social security expenditure - Tajikistan [@]

National level - Other background data: Population and employment data

- Background data:
  - **Demographics**: population data by:
    - Sex
    - Age range
    - Urban | Rural
    - **Sources**: UN population data for international data; otherwise national data

  - **Labour force, employment & unemployment** by
    - Sex
    - Age range
    - Status in employment (for employed)
    - **Sources**: ILO Laborsta for international data, otherwise national data

  - **Earnings, poverty line and poverty rates** [not yet developed in the software online but will be]
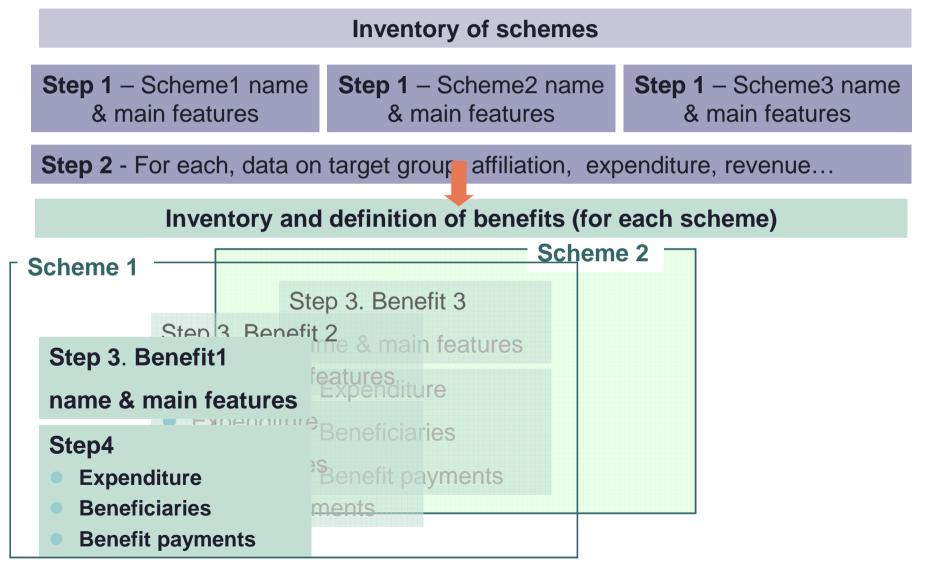
Population data – Laos
Consultation and edit mode [@]

Employment data – Korea
Consultation and edit mode [@]

Information collected at schemes/programmes level

Inventory of schemes

Step 1 – Scheme1 name & main features

Step 1 – Scheme2 name & main features

Step 1 – Scheme3 name & main features

Step 2 - For each, data on target group, affiliation, expenditure, revenue…

Inventory and definition of benefits (for each scheme)

Scheme 1

Scheme 2

Step 3. Benefit 3

Step 3. Benefit 2

Step 3. Benefit1

name & main features

name & main features

features

Expenditure

Beneficiaries

Benefit payments

Step4
- **Expenditure**
- **Beneficiaries**
- **Benefit payments**

Information collected at schemes/programmes level

- **Inventory of social security schemes** and
- **Step 1** - Definition of each scheme
  - **Name** in English and national language
  - **Type of scheme**:
    - Provident fund schemes
    - Defined contribution schemes
    - Defined benefit schemes
  - Contributory | non contributory
  - Private | public
  - If public, level of government
    - National, regional or local level

Inventory of schemes
Laos [@]

Step 1 – Scheme level
Define the scheme [edit mode] [@]

Step 2 – Scheme level
General info & inventory of benefits

- **General information at scheme level**
  - Target groups [… will be further developed]
    - Civil servants, employees, self-employed, … other
  - No. of affiliated members, active contributors & Avg. gross earnings
  - Expenditure at the scheme level
    - Benefits (cash, in kind, rerouted social contributions), Administration cost, Transfers to other schemes, Other expenditure
  - Revenue at the scheme level
    - Social contributions (employers, employees/protected persons, rerouted contributions); General government contributions (earmarked taxes, general revenue); Transfers from other schemes; Other receipts
- **Benefits inventory**

Step 2 – General info & inventory of benefits – Chinese Taipei [@]

Step 3 – Scheme level Define benefits

- **Inventory of benefits**
- **Definition of each benefit**
  - **Name** of the benefit in English and in national language
  - **Function covered**:   Mandatory info

↗ Old Age	Survivors
↗ Sickness and Health	Maternity
↗ Employment Injury	Unemployment
↗ Disability	Family and Children
↗ Labour market Programme	Housing
↗ Basic Education	Other income support / assistance.

  - **Category**: Basic | Supplementary
  - **Frequency**: Periodic, one off, ad-hoc
  - **Benefit type**: Cash, in kind, re-routed contribution
  - **Beneficiaries**: Individuals | Households
  - **Means tested**: Means-test, no means-test, partially means-test   Mandatory info

Step 4 – Information at benefit level

- Expenditure associated to the benefit
  - Guaranteed minimum: Yes | No
  - Average benefit – and periodicity (Annual, Daily, Monthly)
  - Total expenditure
  - Unit
  - Data quality

- Number of beneficiaries
  - Stocks of beneficiaries at a given moment (i.e. end of reporting period)
  - By sex and age group (0-14, 15-64, 65+)

- Average benefit levels
  - Average benefit in payment at a given date (i.e. in December each year)
  - By sex and age group (0-14, 15-64, 65+)

Step 3 – Definition of benefit – Chinese Taipei [@]

Step 4 –
Information at benefit level – Chinese Taipei

Step 5 - Indicators
Systematic calculation of a set of indicators

- **Expenditure indicators**
  - Total social security expenditure in percentage of GDP | total public expenditure
    - From national level data (international sources and national sources)
    - From the aggregation of expenditure at scheme level
  - Total social expenditure by function
  - To be developed
    - Expenditure in kind | in cash, Expenditure by private scheme | public scheme , Etc.

- **Coverage indicators by function**
  - Protection indicators (contributors and affiliated)
  - Recepients indicators (beneficiaries)

- **Benefit indicators**
  - Average benefit by function compared to GDP per capita

Point 2 | Indicators consultation lay-out [1]

Point 2 | Indicators consultation lay-out [2]

Indicators:
Expenditure indicators – **Chinese Taipei [@]**

Chinese Taipei:

Total social expenditure in percentage **of GDP** and in percentage of total **general government expenditure** (aggregated data on expenditure from scheme)

Indicators:
Expenditure by function - **Chinese Taipei [@]**

Indicators:
Coverage indicators

- **SSI presents 2 types of indicators at present**
  - **Protection indicators:** This indicator reflects to what extent
    - The current working-age population (Affiliates or Contributors)
    - The current economically active population
    - The current employed population

    is protected regarding the different functions (old age, maternity, disability, etc.)
  - **Recipients indicators:** Number of beneficiaries of a given function reported to either the old age population (for old age benefit); to the total population or to the working age population.
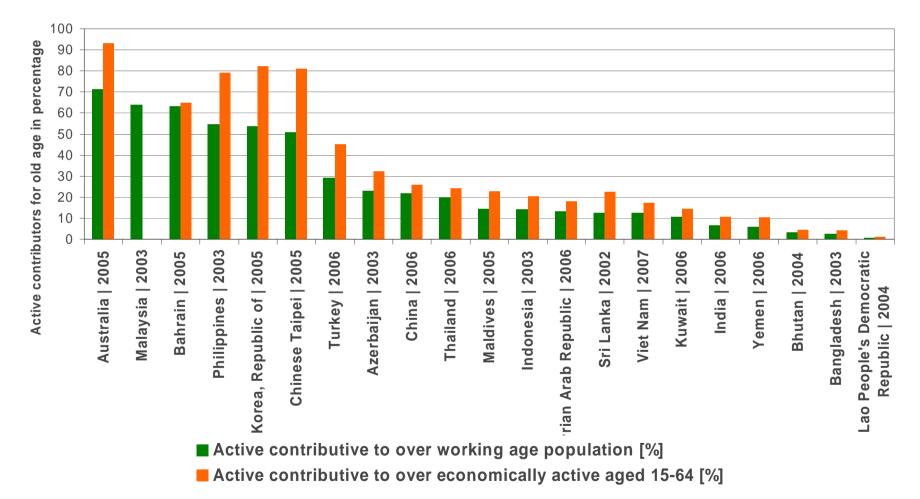
- **Basic principles of calculation (to be adapted)**
  - At present, Benefit function as main & only basis for calculation
  - To avoid double counting, beneficiaries of so called "supplementary benefit" are not counted
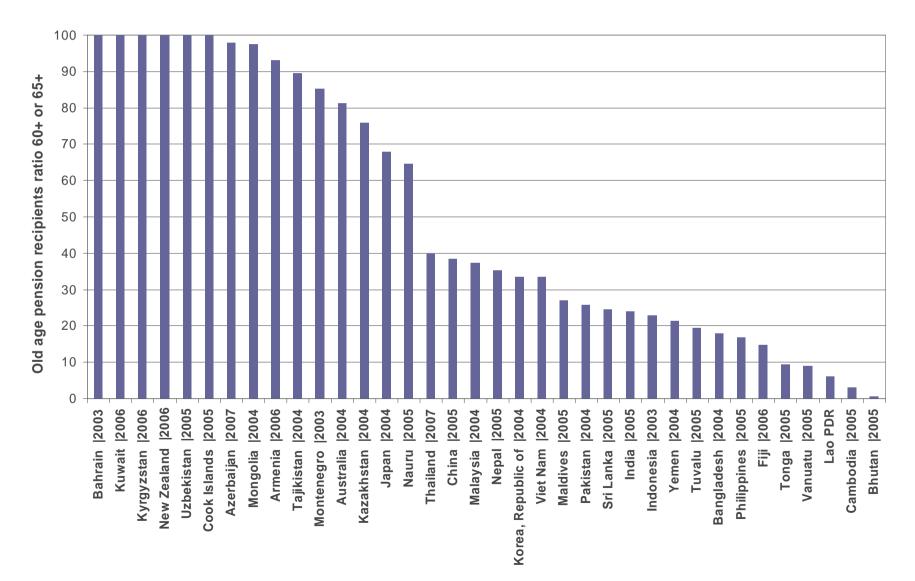
- **Some of the Missing indicators**
  - Some additional indicators reported to target groups
  - Indicators covering all beneficiaries for any type of benefits cash or kind, periodic or ad hoc
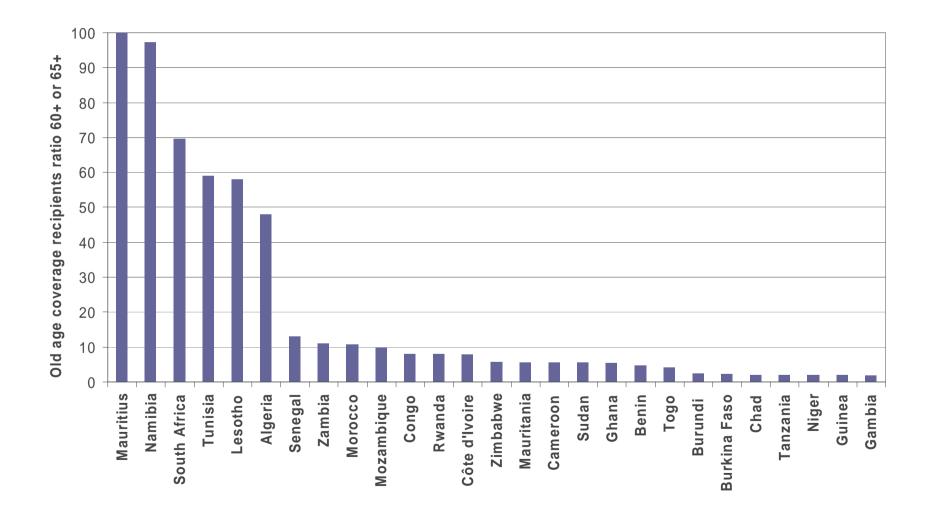
Point four | The ILO social security
Old age demographic protection ratio | Old age-
Active contributors
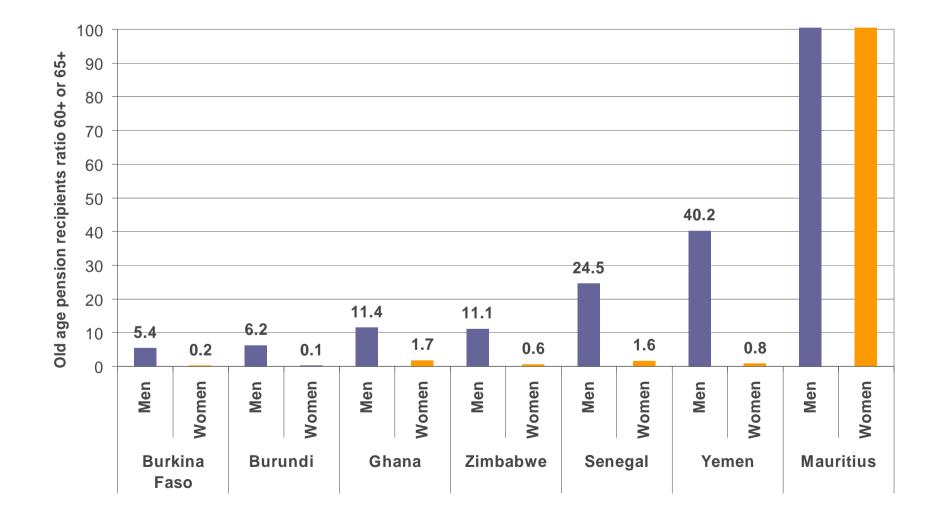
Point four | The ILO social security
Asian countries - Old age pension recipient ratio 60+ (or 65+) | incl. mean-tested periodic benefit
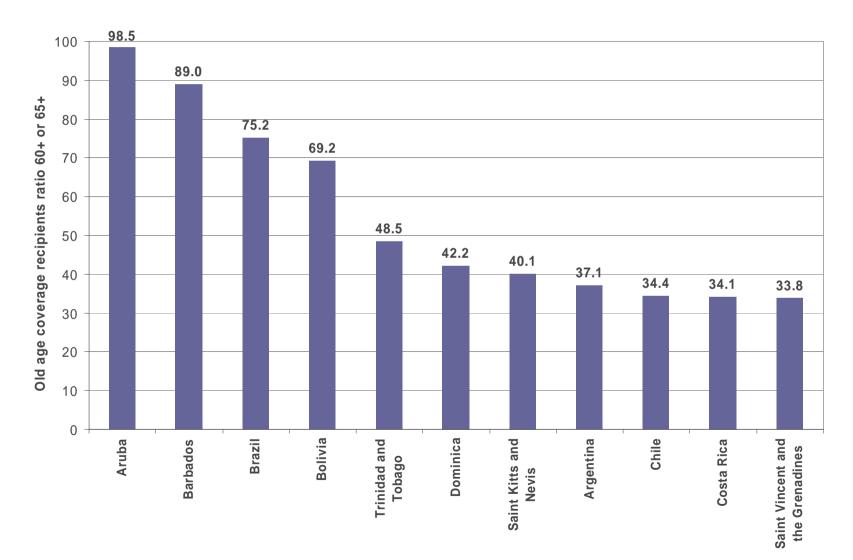
Point four | The ILO social security
Africa - Old age pension recipient ratio 60+ (or 65+) | incl. mean-tested periodic benefit

Point four | The ILO social security
Latin America - Old age pension recipient ratio 60+ (or 65+) | incl. mean-tested periodic benefit

Old age coverage recipients ratio 60+ or 65+

Country	Value
Aruba	98.5
Barbados	89.0
Brazil	75.2
Bolivia	69.2
Trinidad and Tobago	48.5
Dominica	42.2
Saint Kitts and Nevis	40.1
Argentina	37.1
Chile	34.4
Costa Rica	34.1
Saint Vincent and the Grenadines	33.8

Towards an ILO-ISSA–OECD–ADB SP DB
A centralized compilation and data spreading mode

ILO-ISSA-OECD-ADB common DB

Other ILO SP DB

SP Pgs & Mech. DB

Micro-insurance schemes DB
Oracle

Automated transfer of data compatible with SSI

OECD
Social Security Inquiry - SSI
ILO
ISSA
ADB

OECD SOCX

Insertion

Export

OECD SOCX Data

Prod. of required indicators | tables

ISSA

Data from ISSA Members

Ideal – Data entry online

ADB -SPI

Data from Excel – SPI & Additional data (Report)

Ideal – Data entry online

- Raw data for SPEXP, SPCOV
- Automatic of SPI calculation?

Output
According to databases: raw data, performance indicators per country and for a set of countries, other indicators, survey data, methods, models to download, results

Users
Internal users and external users

Useful links

- ILO social security inquiry
  http://www.ilo.org/dyn/ilossiadmin/ssimain.home?p_lang=en

- ISSA social security statistics database
  http://www.issa.int/engl/homef.htm

- Social Security Security Manual
  http://www3.ilo.org/public/english/protection/secsoc/downloads/1123sp1.pdf

- Micro-insurance scheme database
  http://www.ilo.org/gimi/

- Socio-economic security database
  www.ilo.org.sesame
  - Social security expenditure database (based on IMF, OECD, WHO data)
  - Social security mechanisms and programmes database
  - People security Household surveys

Merci.....
Thank you
고마워요