IT Systems Developed in the Debt Management Office of Guatemala

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Public Credit Office
Organizational Structure of the Debt Management Office in Guatemala

DEBT MANAGEMENT
- Legislation
- Regulation
- Procedures

MINISTRY OF FINANCE

DEPUTY MINISTER OF FINANCIAL MANAGEMENT

DEBT MANAGEMENT OFFICE

IT SYSTEM TEAM

FRONT OFFICE
- Loan Mobilization and Management

MIDDLE OFFICE
- Debt and Risk Management

BACK OFFICE
- Register, Control and Payment of Debt

LEGAL ADVICE
Types of debt that are managed

PUBLIC DEBT

EXTERNAL

- Publicly Guaranteed Debt
  - by creditor
    - Official creditors
      - Multilateral
      - Bilateral
      - Eurobonds
    - Private creditors

DOMESTIC

- Central Government
  - by creditor
    - Official creditors
    - Private creditors
      - Bonds
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
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<tbody>
<tr>
<td>1999</td>
<td>The Guatemalan Management Debt Office decided to install DMFAS 5.1 of UNCTAD, which is used for purposes of database operations and recording of external public debt.</td>
</tr>
<tr>
<td>2002</td>
<td><strong>SIADEP (Sistema de Administración de Deuda Pública Externa)</strong> was created as a link system between DMFAS and the national accounting system used by the government to manage the disbursements and servicing of external debt.</td>
</tr>
<tr>
<td>2003-2005</td>
<td>There was a transition in SIADEP from a client server version to a WEB platform took place, in order to improve the availability, access and updating of tools.</td>
</tr>
<tr>
<td>2006</td>
<td>Subsequently, <strong>SITVAL (Sistema de Títulos Valores)</strong> was implemented to maintain a statistical records and internal debt payments registry. This system is in constant development.</td>
</tr>
<tr>
<td>2010</td>
<td>DMFAS, SIADEP and SITVAL were called <strong>SINADEP (Sistema Nacional de la Deuda Pública)</strong>, which contains the information related with the country’s public credit.</td>
</tr>
<tr>
<td>In late 2011</td>
<td>The Credit Public Direction implemented DMFAS, version 6.0, which includes analytical functions, that allow the generation of financial indicators of the current external debt portfolio and sensitivity analysis.</td>
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</table>
IT Systems of Public Debt in Guatemala

SINADEP

DMFAS          SIADEP          SITVAL
Products Generated by IT Systems

- Disbursement arrangements and payment of debt service.
- Production of multiannual public debt projections.
- Public debt statistics, that can be consulted at the WEB site of the Ministry of Finance (http://www.minfin.gob.gt/dcp_estadisticas.html)
- Appropriate reports upon users demand on stocks and public debt flows.
- Financial indicators of the current external debt and sensivity analysis.
SINADEP Reports: that can be consulted at the WEB site

http://www.minfin.gob.gt/dcp_estadisticas.html
### Generar el informe sobre promedios

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<td>Ramirez May</td>
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<table>
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<tr>
<th>Resultado</th>
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<td>FICHERO GRABADO, NO GENERADO</td>
<td>17/10/2012</td>
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<th>Tipo de condición</th>
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<td>Average Interest Based on Face Value</td>
<td>MREPRO</td>
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<table>
<thead>
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<th>Calcular</th>
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Reliable and timely debt data for elaboration of government debt strategy

SIADEP & SITVAL

Statistics & Reporting

SITVAL, DMFAS & SIADEP

Database operations & recording

MIDDLE OFFICE

FRONT & MIDDLE OFFICE

BACK OFFICE
Steps to follow: Preparing the debt data for Government Debt Strategy

Implementing of Sistema de Información para Diseño de Estrategia de Deuda (SISDED)

Data export projected flows of SISDED

Information integration of existing debt stocks and projected flows

Classification and grouping of stylized instruments

Aggregation of stylized instruments to MTDS toolkit.
Benefits:
• To maintain the particularities of every debt type.
• Generation of electronic payment and disbursements instructions for recording at the accounting system.
• Generate friendly reports upon user demands.
• Easy convertibility of payment currencies into local currency.
• Easy adaptation to new debt instruments and to changes of the existent ones, at low cost and less time, as an appropriate technological team already exists.

Risk:
• Operative risk when handling information of database.
• Increased time spent for the integration of domestic with external debt for analysis and specialized processes.
• Bigger investment of resources in adapting the systems to technological changes.
I am very grateful for your attentions! 😊