



BANCO CENTRAL DE BOLIVIA

V Meeting – Lima, 28 - 30 May 2019

Questionnaire to know
Experiences of the central
banks of Latin America and
the Caribbean in the use of
free software

Background

- The Central Bank of Bolivia (BCB), requested the support of the Secretariat of the Financial Information Forum (FIF) of the Center for Latin American Monetary Studies (CEMLA), to compile information related to the experiences of the banks in the region in the use of free software.
- The objective of this survey is to know the practices in the central banks that are members of CEMLA, as well as the advantages and challenges involved in the implementation and use of free software.
- The compiled information will be used by the Central Bank of Bolivia to prepare a short document on the results and can be shared later.

Questionnaire

- The questionnaire consists of 20 questions grouped into four sections, which can be filled in approximately 5 to 8 minutes.
- The questionnaire seeks to collect information on the following aspects:
 - Free software regulations, also open source calls.
(5 questions)
 - Experience in the transition to free software.
(4 questions)
 - Experience in tools of exploration and data analysis (Business Intelligence and other technologies)
(6 questions)
 - Degree of implementation of standards for the Exchange of Data
(5 questions)

I. Free Software Regulations

1. Does your institution use or is it considering the possibility of using free software for some computer programs?

Yes

No

2. What are the computer programs you use or in which you plan to use free software?

Please, write your answer here:

I. Free Software Regulations

3. Type of support that you use or will use in free software software.

Choose only one answer

- Community support
- Enterprise support
- Subscription support
- Other:

4. What processes or services would be under the free software scheme?

Please, write your answer here:

I. Free Software Regulations

5. Does your institution have the appropriate personnel to implement free software or to carry out this transition?

Yes

No

II. Experience in the transition to free software

6. Does your institution have a strategy to ensure adequate technical support in the use of free software?

Yes

No

7. Please add a short description

Answer only if your answer to the previous question was yes

II. Experience in the transition to free software

8. In case you use or plan to use free software, what have been or would be the most important challenges during the transition?

Select the corresponding entries:

- Lack of knowledge
- Lack of trained personnel
- Support and maintenance
- Limitations due to the legal framework
- Digital divide
- Other:

II. Experience in the transition to free software

9. What do you think the transition experience has been or would be for the users?

Good

Bad

Regular

Not apply

Other

III. Experience in data exploration and analysis tools

10. Does your institution have tools to perform Big Data analysis?

Big Data or Data on a large scale, refers to a set of technologies and practices that allow capturing, storing and processing large volumes of data. For example: analysis for payment systems, market intelligence, nowcasting, sentiment analysis, etc.

Yes

No

11. What are these tools?

Answer only if your answer to the previous question was yes Please, write your answer here:

III. Experience in data exploration and analysis tools

12. Do you have or plan to have tools that use artificial intelligence or machine learning for analysis?

Choose only one answer

Yes

No

13. What are they? Please list them.

Answer only if your answer to the previous question was yes

Please, write your answer here:

III. Experience in data exploration and analysis tools

14. Are the tools of exploration and analysis of data (business intelligence) with which you have or intend to adopt are free software?

Choose only one answer

Yes

No

15. What are the obstacles they have faced in the adoption of tools for data exploitation and analysis?

Please, check all that apply:

Costs

Lack of human resources training

Lack of an adoption / coordination plan

Lack of specification standards

Complexity of tools

IV. Degree of implementation of standards for the Exchange of Data

16. Is there an initiative or plan in your institution for the implementation of data exchange?

Choose only one answer

Yes

No

17. What kind of standards do you use or plan to use for the exchange of data? For example: SMDX, FPML, XBRL, or others.

SMDX: Statistical Data and Metadata Exchange

FPML: Financial Products Markup Language

XBRL: Extensible Business Reporting Language

Please, write your answer here:

IV. Degree of implementation of standards for the Exchange of Data

18. For what specific issues is the standard for data exchange being adopted?

19. What is your degree of progress or future date of implementation of these standards?

Choose one of the following options

- Initial
- Medium
- Advanced
- Future date: _____

IV. Degree of implementation of standards for the Exchange of Data

20. What would be the most important challenges for the adoption of this standard? In case you are already implementing it, what have been the challenges?

Check all that apply:

- Legal framework
- Lack of trained human resources
- Lack of adequate infrastructure
- Other: _____



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