Good Internal Systems for Good External Publication

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6 Reasons WHY Fiscal Openness is Necessary in Times of Emergency

1. Trace design and implementation of measures (including progressiveness and trade-offs)
2. Identify fiscal sustainability and flag potential risks
3. Improve efficiency and effectiveness in fast decision-making
4. Prevent (or detect) corruption or mismanagement
5. Make sure that measures that are meant to be temporary actually are
6. Enable informed public participation

Publication is only as good as the data gathered

Aspiration

- All core Public Financial Management processes supported by Financial Management Information Systems
- Interconnected data / data infrastructure within the ministry of finance and line ministries
- No duplicated data
- Efficient systems where inputs are easy and are flexible to adapt
- Connection from internal systems/data warehouse to publication though a data portal

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What data?

01 Emergency and countercyclical spending

02 Tax relief measures and deferrals

03 Revenue adjustments and additional funding sources

04 Macroeconomic framework impact

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Fiscal Data for Emergency Response: Guide for COVID-19

Version 1.0. READY TO USE and OPEN for inputs

15 DATASETS + TIME SERIES

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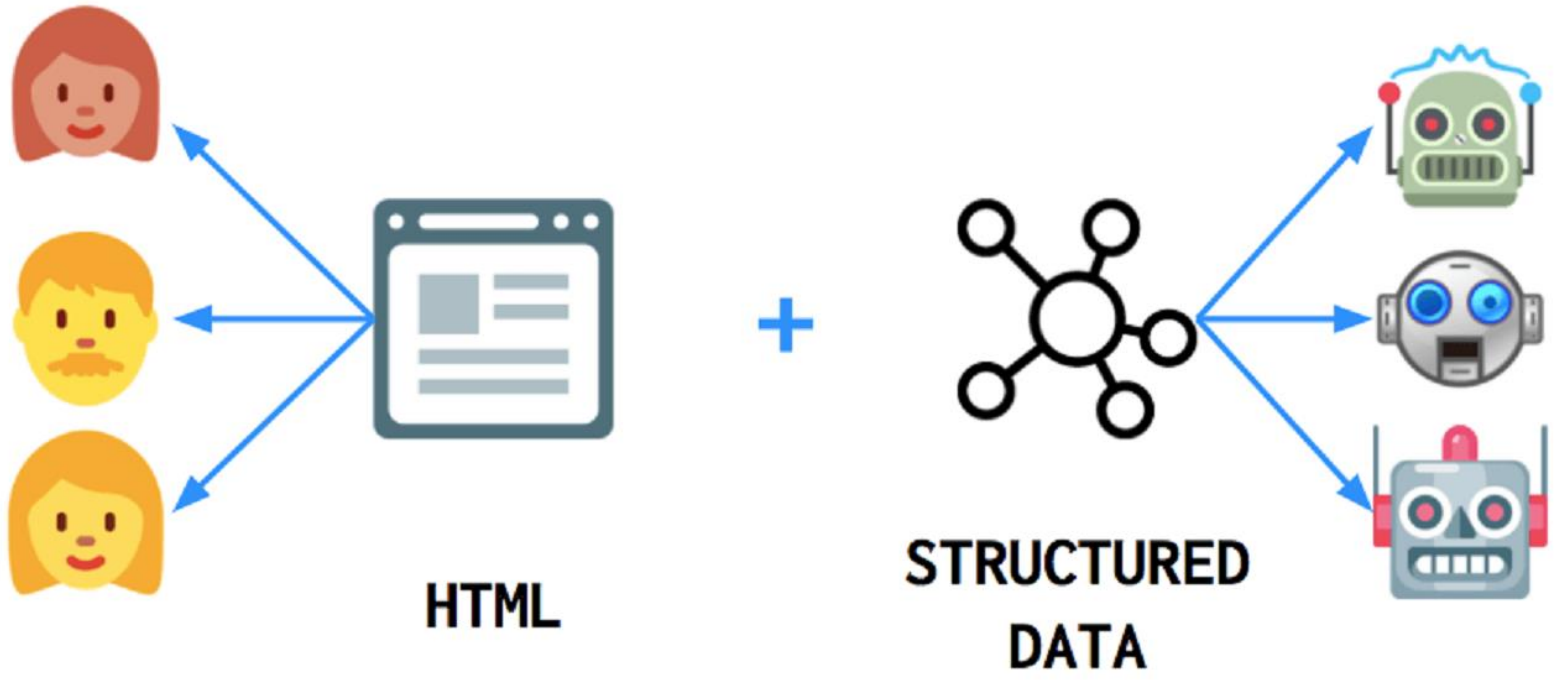
http://fiscaltransparency.net/covid19/

What happens when there is no system?

- Systems are based on data models
  - Consider the relevance of structured data (Press releases are not enough for data collection!)



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What happens when the systems are fragmented?

- Standardize the form of collection of the data

Bureau of the Fiscal Service > Data Transparency > DATA Act Information Model Schema (DAIMS)

DATA Act Information Model Schema (DAIMS)

For DAIMS users: This is the current version, 1.4.

Version 1.4 of the DAIMS, released on September 27, 2019, includes the data standard conceptual model, specifications, and schema management. This release is necessary to address audit findings, clarify aggregate record reporting, align with Federal Hierarchy and with changes in integrated data sources. DAIMS v1.4 was implemented on May 18.

DAIMS Version 2.0 of the DAIMS was released on May 6, 2020 and will be implemented in July 2020. Visit our DAIMS v2.0 page to learn more about this release.

Release Notes v1.4 – summary of changes for this version

https://fiscal.treasury.gov/data-transparency/DAIMS-current.html

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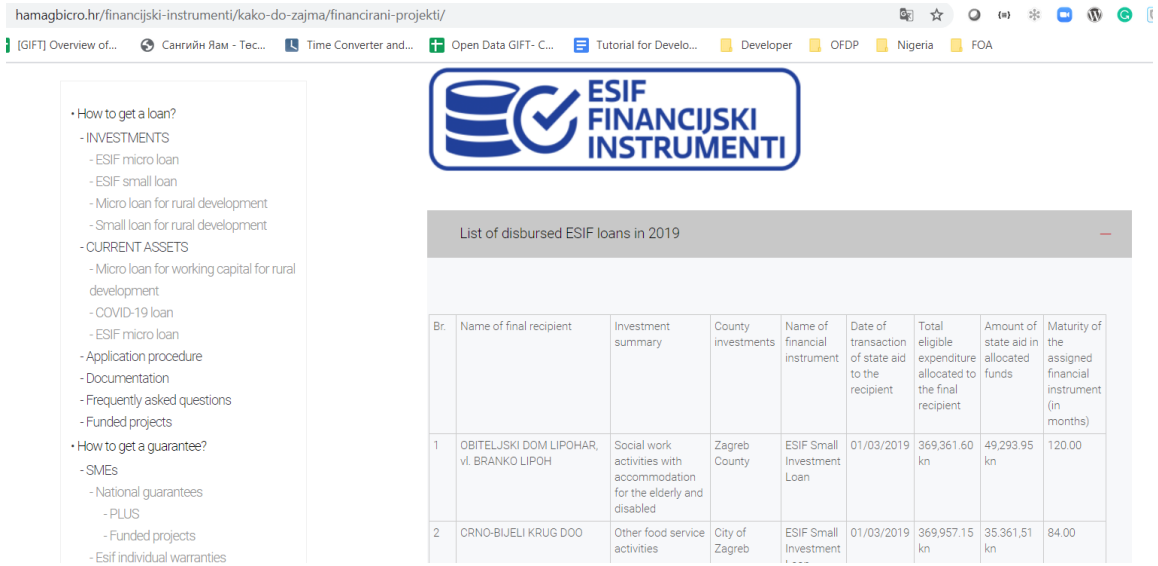
Leverage systems for…

- Control
- Transparency
- Auditing

https://opentreasury.gov.ng/#

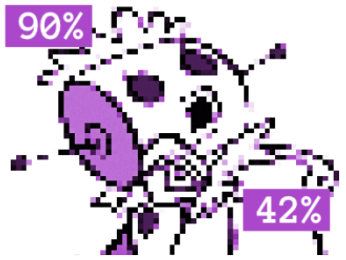


Leverage systems for…

- …And decision making

https://www.technologyreview.com/2020/05/29/1002404/united-nations-computer-agents-simulation-boost-global-sustainable-development-goals

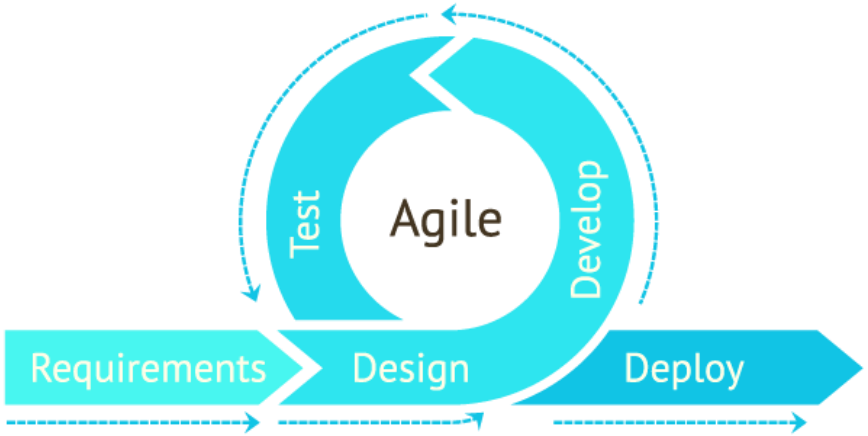
Serenata has created Rosie: an artificial intelligence who analyzes Brazilian congresspeople expenses while they are in office. Rosie can find suspicious spendings and engage citizens in the discussion about these findings.



https://serenata.ai/

Moving forward

- Use the systems for all the resources
- First change the process, with that adapt the digital solution
- Choose agile



- Embed automatic controls in the system, as opposed to manual or post-revision controls (data input validations, machine learning red flags…)
- When systems are not available, use data schemas and flattened data (as opposed to reports)

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Moving forward

- If the systems do not talk to each other make the DATA speak!
- When designing a system/schema or any data gathering tool ask yourself, expected internal and external users:
  - What do you want to use this data for? (Purpose)
  - How do you expect to use it? (Tools/capacities)

The answers will help you define a better data model based on use cases

- Distinguish between **hype** and worthwhile innovations for your system purpose

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