

Nauka o podacima i veštačka inteligencija

*Upotreba nauke o podacima u cilju
boljeg upravljanja trezorom,
organizacionim performansama i
procesom donošenja odluka*

PEMPAL ZAJEDNICA PRAKSE ZA TREZOR

25. april 2024.

Agenda

- Kratak uvod o Multidonatorskom fondu za podršku upravljanju javnim finansijama (PFM MDTF)
- Procena spremnosti analize podataka (DARA)
- Primena nauke o podacima pri Generalnom direktoratu za trezor – MF Indonezije

Multidonatorski
fond za podršku
upravljanju
javnim
finansijama
(PFM MDTF)

VIZIJA
Bolja naplata, pametnija potrošnja

RAZVOJNI CILJ
Podrška Vladi Indonezije u unapređenju politika i upravljanja приходima i rashodima na centralnom i pod-nacionalnim nivoima kroz veću fokusiranost na rezultate i odgovornost primenom, između ostalog, digitalne tehnologije i rodne jednakosti.

PRIHODI
Politike i
upravljanje

RASHODI
Politike i upravljanje

**POD-NACIONALNI
NIVO**
Upravljanje javnim
resursima

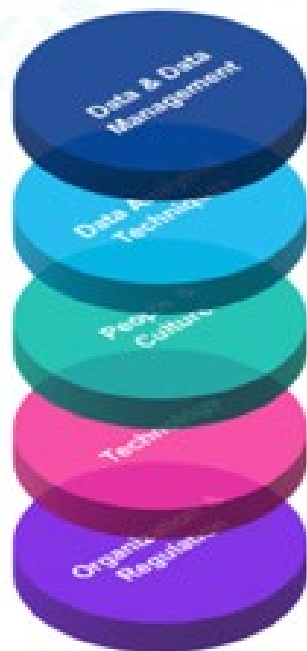
**ODGOVORNOST
za UJF**

DIGITALNE TEHNOLOGIJE
Osnove i platforme

RODNA RAVNOPRAVNOST
Osnaživanje

Procena spremnosti analize podataka (DARA) – Metodologija

There are 6 topics with 23 subtopics identified.



01

Ponuda i potražnja analize podataka

Identifikovanje i procena konkretne potražnje višeg rukovodstva i kvaliteta ponude analize podataka u cilju unapređenja procesa donošenja odluka

02

Podaci i upravljanje podacima

Identifikovanje novih mogućnosti upotrebe postojećih podataka i prepoznavanje nedostataka za potrebe sadašnjeg i budućeg korišćenja

03

Tehnike analize podataka

Identifikovanje i mapiranje tehnika koje operativni timovi trenutno koriste kao i nivoa spremnosti

04

Ljudi i kultura

Identifikovanje i izrada detaljne mape i profila zaposlenih koji izrađuju analize podataka

05

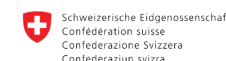
Tehnologija

Identifikovanje postojeće infrastrukture (upotreba i mogući nedostaci) i ključnih problema u oblasti upravljanja podacima

06

Organizacija i regulisanje

Identifikovanje mogućih organizacionih ograničenja i pokretača u oblasti analize podataka, kao i korišćenih neformalnih struktura



DARA – podaci i upravljanje podacima: *pristup i razmena podataka*

Demand & Supply for Data Analytics

Data & Data Management

Analytics Techniques

People & Culture

Technology

Organization & Regulation

- Key Points**
- Provides insights into the data quality aspect of the data management.
 - Potential issues with data privacy and data sharing constraints, among others.
 - Identifies which data points must be shared to develop specific data analytics use cases.

Subtopic Definition

The procedures and guidelines governing the solicitation, authorization, and monitoring of data access from primary and secondary information systems.

Readiness Levels

Initial Level 1
Data access and sharing of data are severely limited, and there are no well-defined processes for data access.

Managed Level 2
Data access and sharing, spanning internal and external stakeholders, are granted on an ad hoc basis, or the processes and policies governing data access and sharing are inconsistently enforced.

Defined Level 3
There is a formalized procedure for requesting data access and sharing, governed by a comprehensive data access policy that applies to both internal organizations and external parties.

Quantitatively Managed Level 4
Data access and sharing are broadly outlined for both internal organizations and external parties, with continuous monitoring conducted to address security concerns.

Optimizing Level 5
Regular reviews are conducted to balance accessibility with security, ensuring that data access and sharing are maximized while safeguarding critical information.

Indicator

1. There is no grant for data access and data sharing process inside or outside the organization.

1. There is an access permission change history report without an E-mail/other requests document for data access and data sharing to show request access is inconsistent.

1. There are policies, SOPs, and standards in requests for data access and data sharing (policy and SOP document, filled request form).
2. Web portal (screenshot) or SOP document of data access and data sharing requests in a standardized channel/portal.

1. SOP document or IAM platform (screenshot) with a defined access role to show access and sharing granted systematically.
2. There is a monitoring report for data access and data sharing security.

1. Data access & sharing schedule review report showing data is as accessible as possible while securing critical information.

General Explanation of The Levels

Readiness not addressed

Readiness addressed in an ad-hoc manner

Readiness normally addressed with standardized documentation

Readiness consistently addressed and governed

Readiness reviewed regularly to enable continuous improvement

