Submission of Case Studies

Introduction

Driven by the spread and adoption of emerging technologies and the outbreak of COVID-19 pandemic, all countries including Arab countries, have accelerated the implementation of their digital transformation agendas. Studies show that emerging technologies[1] and other technologies, like geospatial technologies, offer great potential to improve inclusiveness and effectiveness, promote trust in public institutions, and enhance government responsiveness to citizen needs.

To explore the efficient deployment of emerging technologies and their role in building responsive, inclusive, trustworthy, and effective public institutions, ESCWA launched the project entitled "Expediting the use of technology and innovation for enhanced operations in Arab public institutions" (ENACT) in 2023. The focus falls on providing Arab countries with recommendations to accelerate the implementation of adopted strategies and plans related to the use of emerging technologies and innovation in public sector services and back-office operations. The project will focus on practical measures and promote exchange of best practices and success stories.

ENACT supports the achievement of SDG 16 which calls for peace, justice and strong institutions, especially targets focused on developing effective, accountable and transparent institutions (16.6); ensuring responsive, inclusive and representative decision-making, and (16.7), and ensuring public access to information (16.10).

Building on efforts to collect and share examples and to provide demonstrative cases to enhance project activities, ESCWA would like to receive case studies from Arab countries. All national and local authorities are invited to complete this form and submit initiatives that demonstrate innovation and the use of emerging technologies in enhancing the operations and services of public sector institutions.

The initiatives submitted will be published online via the Arab Open & Innovative Government Portal[2], launched in 2020, where it will serve as real-life examples of initiatives that are being developed and implemented by Arab countries to promote digital technologies, openness and innovation in public sector and open government. Submissions will also be used in the planned report on "Policies and best practices to harness the use of technology and innovation for building better Arab Public Institutions".

To submit a case study please complete this form, in either English or Arabic and email it to idlebi@un.org and escwa-tdd@un.org, by 30 June 2023 for inclusion in the ESCWA reports. Case studies for the portal[3] can be submitted until 30 November 2023, using the same contact information.

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[1] Emerging technologies includes new digital technologies such as Artificial Intelligence, Internet of Things, Big Data, Open Data, Blockchain, 5G, Robotics and Immersive technologies such as Metaverse.

[2] The portal can be accessed at https://opengov.unescwa.org.

[3] Published case studies are available from https://opengov.unescwa.org/case-studies

ENACT Project

Expediting the use of technology and innovation for enhanced operations in Arab Public Institutions

Case Studies Form

Tips

- Any Arab public institution can submit many case studies as they want to.
- Each case study must be an innovative or good practice related to responsiveness, inclusiveness, trust or effectiveness.
- It is suggested that authorities responsible for national ICT initiatives, liaise with other public institutes in the country to collect relevant cases and submit them to ESCWA.

Fields marked with an * are mandatory.

1. Title of initiative* *(English and Arabic)*:	Analytical portal (bayanat) (بيانات) المنصة التحليلية
2. Initiative URL *(If any)*:	https://bayanat.gov.om (Entities use) https://bi.bayanat.gov.om/
3. Country*:	Oman
4. Your organization* *(English and Arabic)*:	Capital Market Authority الهيئة العامة لسوق المال
5. Organization URL *(If any)*:	https://cma.gov.om/

6. Primary sector(s) that the initiative addresses*: *(Please select all that apply)*

☐ Agriculture	☐ Mineral resources & energy
☐ Arts and culture	☐ Public administration
☐ Education	☐ Public works & infrastructure
☐ Emergency & Disaster management	☒ Social and economic development
☐ Environment	☒ Technology
☐ Finance	☐ Tourism
☐ Health	☒ Trade & industry
☐ Justice and Law Enforcement	☐ Transport
☐ Labour & Employment	☐ Other *(please specify)*: Click or tap here to enter text.

7. Main aim of the initiative*: *(Please select no more than 3)*

- ☒ Public sector innovation
- ☒ Digital government
- ☒ Access to Information
- ☐ Open government
- ☒ Open data
- ☒ Participation, collaboration & engagement
- ☐ Protection of people, systems, information and data

*Fields marked with an * are mandatory.*

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8. Technology focus of the initiative*: (*Please select all that apply*)

- ☐ Connectivity (high speed internet/broadband) technologies
- ☐ Cloud computing
- ☐ Cybersecurity technologies
- ☐ Data centres
- ☐ Artificial intelligence
- ☐ Big data
- ☒ Open Data
- ☐ Immersive technologies (extended reality technologies such as VR, AR & Mixed Reality (MR))
- ☐ Blockchain
- ☐ Geospatial technologies (GIS, GPS and remote sensing)
- ☐ Internet of Things
- ☐ Other, *please specify*: Click or tap here to enter text.

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9. Sustainable Development Goals of the initiative*: (*Please select all that apply*)

☐ Agenda 2030	☒ SDG9: Build resilient infrastructure
☐ SDG1: End poverty	☐ SDG10: Reduce inequality
☐ SDG2: End hunger	☐ SDG11: Inclusive cities
☐ SDG3: Ensure healthy lives	☒ SDG12: Responsible Consumption & Production
☐ SDG4: Inclusive and quality education	☐ SDG13: Climate Action
☐ SDG5: Achieve gender equality	☐ SDG14: Life Below Water
☐ SDG6: Clean Water and Sanitation,	☐ SDG15: Life on Land
☐ SDG7: Modern and affordable energy	☐ SDG16: Peaceful and inclusive societies
☒ SDG8: Promote economic growth	☒ SDG17: Implementation mechanisms

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10. Description of the initiative and its purpose: (*Please answer all the following questions*)

a. **Brief description*:** *(100 words)*

 Bayanat (XBRL-extensible Business Reporting Language) is the open international standard for digital business reporting that has been especially developed to support the communication and exchange of information and data (both financial and non-financial) between the different entities (Listed and License Companies) in the economy. Entities submits their financial result quarterly and yearly then verified by approved Auditors. System integrated with different Authorities like MSX and MCD and SSO implemented for all reporting entities. It ensure availability of accurate & reliable financial information in a

timely manner to all the relevant stakeholders with support of analytical tool & dashboard .(MSPowerBI)

b. **Implementation timeline*:** *(Beginning and ending year(s) of the initiative)*

Year of launch:	2021				
Is it ongoing?	Yes: ☒	No: ☐	If No, *please indicate year*:	Click or tap here to enter text.

*Fields marked with an * are mandatory.*

c. **Contributor(s)/Partner(s):** *(List all entities that participated in developing and/or implementing the initiative. Please select the type of organization using the pull-down menu and name the role each entity played,)*

Contributor/Partner Name	Type of Organization	Role played (25 words)
Muscat Stock Exchange SAOC	Non-governmental organizaton	Data sources
Muscat Clearing & Depository SAOC	Non-governmental organizaton	Data sources
Ministry of Transport, Communications and Information Technology	Government	Consultant
Click or tap here to enter text.	Choose an item.	Click or tap here to enter text.
Click or tap here to enter text.	Choose an item.	Click or tap here to enter text.
Click or tap here to enter text.	Choose an item.	Click or tap here to enter text.

d. **Purpose of the initiative*:** *(100 words)*

The following are the main aims for the platform launching:

1. Applying advanced technologies to display financial data for making investment decision.
2. Increasing the database for Open data analysts.
3. Increasing the awareness for transforming the protection approaches for the data security, automation as well as bringing better transparency.
4. Modernize the securities exchanges based on digitalized financial numbers, delivering new and modern solutions that leverage digital platforms, to manage capital markets` time and cost efficiently.
5. To synchronize multiple portal & user information (CMA. MSX, MCD) into one system
6. The companies were new for the system, therefor; we keep directing the companies to adopt the new system to ease their reporting steps, and to enhance the investors to simplify analysis efforts for maximizing the investment volume. Besides to evaluate the best entity to invest among the portfolio as huge.

e. **Functions and/or Features offered by the initiative*:** *(100 words)*

1. Searching for : Company Portfolio, Sector, Ratios, Status, Primary Reports..etc.
2. Access for Public view
3. Access for Regulator inspection and directions.
4. Updation based on last release automatically.
5. Interface displaying setting flexibility.

6. Subscription integrated with the allowed services as per CMA requirments.
7. Integration is the major approach used for make the smooth flow between approved portals if needed.
8. Applicable to be integrated to cloud system.
9. Feasibility for the product owner to modify at any time to comply with the regulatory framework.
10. Exhaustive Ratios and Scores built in
11. Exclusive Reports for Investment Relationship
12. Reports in English and Arabic
13. Reports can be accessible on Android and IOS Mobile
14. Integrated with CMA Business portal
15. Integrated with XBRL E-file portal
16. Integrated with MSX
17. Integrated with MCD
18. Power BI
19. Migration 5 years historical data

f. **Principles supported through the initiative*:** *(Select all that applies to the initiative)*

☒	**Responsiveness:** *Ability and willingness of government to, timely and effectively, address the needs, concerns, and feedback of citizens.*
☒	**Inclusiveness:** *Extent to which all people in the society are represented, engaged, and included in decision-making processes and access to public services.*
☒	**Trust:** *Belief of citizens that public institutions will act in their best interest and fulfill their responsibilities and obligations with integrity, transparency, and accountability.*
☒	**Effectiveness:** *Commitment of government to develop effective policies and programs, and measure and evaluate its performance to meet goals and targets and delivering quality public services.*
☒	**Transparency:** *Openness, accountability and accessibility of government information, decision-making process and operations.*

g. **Outcomes, impacts & change in experiences as a result of the initiative*:** *(200 words)*

1. In the analytical platform financial, non-financial and market data, related to both listed and licensed companies are available for analysis purpose, this analytical platform has helped business users from regulators, financial analysts and other users to analyse the data at one platform instead of checking multiple sites for data analyses.
2. The different sets of reports are available for the users at the same platform, which allows user to get more details about the searched entities and their performance throughout the selected period.
3. Category specific screener reports are available to check companies' ratios and concept.

4. Company specific, category specific and common reports are available on Analytical platform for detailed comparison of financials, preliminary and stock data that allow users to do their analyses and check the required data accordingly.

h. **Challenges faced during the planning and implementation of the initiative*:** *(200 words)*

1. Segregation of companies and reports format finalizing for each of the categories
2. We did extensive analysis and market study to segregate the companies and reports.
3. Constantly getting feedback from companies and analysts to adopt the changes through system upgrade to meet the systems` new business changes.
4. Migrating the 5 years historical data-which is companies task due-however to accelerate the step, it was difficult to identify those elements and match them with the latest format. Accordingly, we handled many scenarios occurred in the system to make the historical data useful for reporting.
5. The companies were new for the system, therefor; we keep directing the companies to adopt the new system to ease their reporting steps, and to enhance the investors to simplify analysis efforts for maximizing the investment volume. Besides to evaluate the best entity to invest among the portfolio as huge.

i. **Lessons learned from the initiative's development and implementation:** *(200 words)*

Using analytical platform makes analyses steps much easier, as we get almost all the required data at one place which will make it more convenient for the users to use this application for their financial purpose. Besides, preparing studies and initiative development and implementation made us realize that such initiatives can be applied for other sectors too, which will give our researchers, analysts, scholars and investors the gateway for their professional purpose.

j. **Useful links:** *(title and URL)*

https://bayanat.gov.om (Entities use)

https://bi.bayanat.gov.om/

11. Contact person(s)*: *(Please provide at least one contact person for the initiative. This information will not be published and it will only be used to follow-up on the submission, if needed)*

Name*:	Imad AlbalushI
Functional title:	Click or tap here to enter text.
Organization:	CMA
Email*:	Imad.albalushi@cma.gov.om
Phone/Mobile:	94020720

Name:	Ali Alfeteisi
Functional title:	Click or tap here to enter text.
Organization:	CMA

Email:	ali.alfeteisi@cma.gov.om
Phone/Mobile:	94499090

Name:	Click or tap here to enter text.
Functional title:	Click or tap here to enter text.
Organization:	Click or tap here to enter text.
Email:	Click or tap here to enter text.
Phone:	Click or tap here to enter text.

Thank you