[UNESCO]

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| REQ No.  1 | Project  [UNESCO] |

Abstract

| **Rev** | **Date** | **Author** | **Status** |
| --- | --- | --- | --- |
| 1 | 04/01/2016 | Ji Lucas | Init |
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Distribution List

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| **Reviewers** | **FYI** |
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# Introduction

# Related Documents/Links/People

References in the text throughout this document appear in square brackets (e.g., [1], [JS]).

| **Reference** | **Document/Link/Person/Application** |
| --- | --- |
| 1. UNESCO keyword | <https://docs.google.com/spreadsheets/d/11r6td2Kg7NUg-jKrys34ooa1DsC04jrBJ9kahpzStJ0/edit?usp=sharing> |
| 1. UNESCO Articles | In  Arabic  <http://khabaragency.net/news51527.html>  <http://www.yemenat.net/?p=201744>  <http://www.aljazeera.net/news/cultureandart/2016/1/17/%D8%A2%D8%AB%D8%A7%D8%B1-%D8%A7%D9%84%D9%8A%D9%85%D9%86-%D9%88%D9%85%D8%A4%D8%B3%D8%B3%D8%A7%D8%AA%D9%87-%D8%A7%D9%84%D8%AB%D9%82%D8%A7%D9%81%D9%8A%D8%A9-%D9%81%D9%8A-%D9%85%D8%B1%D9%85%D9%89-%D8%A7%D9%84%D8%AD%D8%B1%D8%A8>  <http://26sep.net/news_details.php?lng=arabic&sid=117787>  In English  <http://www.albawaba.com/news/airstrikes-destroy-archeological-monuments-yemen-805700>  <http://whc.unesco.org/en/news/1436/>  <http://www.eunic-online.eu/?q=content/looted-goods-near-east-0>  <http://newsofyemen.net/2016/01/saudi-uae-led-coalition-strikes-damaged-part-of-queen-of-sheba-temple-in-marib-yemen/> |
| 1. TWB Setup/PM Process | <https://docs.google.com/document/d/1icm9ZMIazc0xjNqSlfBpEUlUZMAcvKiQyzFG7PZ5_Wc/edit#heading=h.nf9z2a32d8vj>  Stage 1 activation:  - Start Date : April. 06, 2016  - Mon / Wen / Fri – 3 times/week, 1000tweets per day , ongoing  - Project id : 7748 (Yemen Heritage Translations) |
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# Glossary

| **Term** | **Definition** |
| --- | --- |
| AIDR |  |
| MicroMappers |  |
| Satellite Imagery |  |
| GDELT |  |
| TWB | Translators without borders |
| Clickers | Human Computing platform for human computing |
| ODK | Open Data toolkits – Mobile platform of data colleting. |
| UNESCO |  |
| Computer Vision |  |
| UNESCO | d.miznazi@unesco.org |
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# Overview



# Project Scope

## Goals and Objectives

Engagement with UNESCO, We will conduct minimum 2pilots focused on Yemen heritage related. Based on the requirement and pilot results, we will develop a robust and scalable production.

## In Scope

* Yemen will be our primary country
* Social media text information, news, image, satellite imagery will be utilized.
* Human computing will be assisted by clickers & TWB

## Out of Scope

## Assumptions

## Constraints

## Dependencies

## Risk

## Limitation

# USECASES

## Scenario - Twitter

| **ID** |  |
| --- | --- |
| 1 | User starts twitter collection via AIDR using specific Yemen heritage keywords(see ref. [1]) |
| 2 | User attaches a classifier (Building damage, Museum damage, Initiative) |
| 3 | aidr collects tweets & extract tweet images & geo coordinates from meta data |
| 4 | aidr pushes Arabic content to Translator without Boraders |
| 5 | TWB starts translating tweets and tag data |
| 6 | aidr consume twb tag and push tag info to classifier |
| 7 | Step 4, 5, 6 ongoing |
| 8 | User monitors collection & classifier. At the same time, user reviews twb tag records |
| 9 | User gets classifier statistic info. |
| 10 | User will see her/his collection, classifier, images via Map based dashboard |
| 11 | Via dashboard,  1. user can filter based on classifier label, location, language, text keyword. In addition, it should generate chart-based info.  2. user can add addition tag info. e.g. tag an image based on damage level. None, mild(less than 50% damage), severe(50% or over damage)  3. user can filter tweet based on specific topics and campaign.  4. user can indicate that a tweet has false information or not.  5. user can indicate that a tweet image has false information or not |

## Scenario - facebook

| **ID** |  |
| --- | --- |
| 1 | User define facebook search keyword that is based on the below.   1. Yemen heritage keywords 2. Yemen heritage campaign hashtag or keyword 3. Yemen heritage influencers 4. Yemen heritage facebook pages & groups |
| 2 | User starts facebook collection via AIDR using step 1. |
| 3 | User attaches “Yemen heritage twitter classifier” (Building damage, Museum damage, Initiative) to facebook collection |
| 4 | aidr collects facebook post & image/video & geo coordinates & like & share & users |
| 5 | User monitors collection & classifier. |
| 6 | User gets classifier statistic info. |
| 7 | User will see her/his collection, classifier, images via Map based dashboard |
| 8 | Via dashboard,  1. user can filter based on classifier label, location, language, text keyword, like, shared. In addition, it should generate chart-based info.  2. user can add addition tag info. e.g. tag an image based on damage level. None, mild(less than 50% damage), severe(50% or over damage)  3. user can filter tweet based on specific topics and campaign.  4. user can indicate that a tweet has false information or not.  5. user can indicate that a tweet image has false information or not |

## Scenario - Dashboard

| **ID** |  |
| --- | --- |
| 1 | User can see public collections & own collections based on timeline |
| 2 | User can filter public collections based on specific keywords or geo coordinates or country |
| 3 | User can see map based on data using user’s own satellite imagery as based map data |
| 4 | User can import her/his own satellite imagery as map layers. |
| 5 | User can select map layer based on timeline |
| 6 | User can see satellite imagery base map with user’s own collection data (tweet, facebook, images, video) |
| 7 | User can filter tweet, facebook, images, video based on the needs. e.g. show only image around a specific timeframe |
| 8 | User can generate pdf file or .png or .jpg of dashboard results.  e.g. user select March. 1, 2016 satellite map layer with tweet (auc 80%, initiative) + tweet image(damage level: mild) + facebook image(damage level: mild) @Old city of Sana’s. These output displays &, user can generate a .pdf, .png or .jpeg |
| 9 | By browsing data, user can identify false information. Also, user can validate data creditability. |
| 10 | Odk data should be plugin |
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# Business Requirement

The following subsections define project requirements. Each requirement is labeled as follows:

* **ID.** The unique identifier for the requirement.
* **Requirement.** A clear and concise description of the requirement.
* **Source.** A cross-reference to the source of the requirement.
* **Cat**egory**.** A classification for the requirement using the selections from Table 1.

Table - Requirement Categories

| **Category** | **Description** |
| --- | --- |
| **M**andatory | Required minimum functionality. |
| **O**ptional | Nice to have and will be implemented if time permits. |
| **F**uture | Will not be implemented now but should be considered for a future enhancement. |
| **D**ropped | Requirement determined to be completely out of scope **after** baseline. |
| **E**xisting | Functionality already present in the software (for documentation purposes). |
| **Op**erational | Will not be addressed in the software (documented for training purposes). This requirement should have a related item in the issue list in order to identify an owner. |

| **ID** | **Requirement** | **Source** | **Cat** |
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# UI/UX

# Question History

| **QA #** | **Question Description** | **Date/Status** |
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# Revision History

Changes to the text of this document are indicated by bars in the outside margin adjacent to the affected text.

| **Date** | **Change Description** |
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