



COORDINATION OF TASKS FOR THE FINALIZATION OF WORKPACKAGE 3

Dear colleagues,

As you know, we are approximately in the middle of our WARMEST project; we consider this is a perfect moment to stop for a very little while, look back and ahead to understand the tasks accomplished so far, and affront successfully those still to be done.

After some conversations and several meetings with our colleague M. Paz Sáez (as the expert she is in material decay and in particular in Lion's Courtyard columns), I asked her to help me come up with a coordination strategy so that it would help all of us successfully gather and understand all information collected so far, so that it would help us coordinate better, focus, design and implement the tasks still to be developed in the next 2 years.

Also, I asked her for help to determine and better limit the scope and objects of study knowing that it is important to come up with significant results within the time and duration of the project.

As the finalization of the tasks established in WP3 "Data collection from heritage sites and database creation" is close (November 2020), we are focusing particularly on this WP3 in this moment.

For this, it is important to have the precise information of the works and tasks that have been developed and accomplished by every team so far, so that an effective coordination of the pending work can be carried out carry out. This will allow us to address the continuity of the project in relation to the next WPs ahead. This document and tables have been designed for that purpose. We kindly ask you to read it carefully and fill in the information required.

PART A. COORDINATION OF TECHNICAL WORK ACCOMPLISHED

So far, different study methodologies have been developed, proposed by each of the teams that have worked on WP 3, and a large amount of graphic information has been collected with respect to the columns as the main element of study. As far as possible, it has also been possible to have written information (of greater or lesser extension) that has also been collected from various sources and libraries (UGR, LESS, KORE, ISI, CTA, ARTES, etc.)

With regard to the study in situ, the different tasks have been carried out on the sites that are included in the project and have been agreed to collaborate (ALHAMBRA, STA. CROCE AND MARZAMEMI) provided that the working conditions have permitted it and the people in charge have given their authorization, which in some cases has led to differences in the use of recognition and measurement techniques, study locations, etc.

With respect to the first of these (LA ALHAMBRA), all the work teams have carried out the tasks they considered, based on the needs required for the development of their own methodology/technique. In this site we have the detailed study of the state of deterioration and pathology as well as the study of the characterization of the material of the main elements of study (columns) in the form of a doctoral thesis signed by Dr. Paz Sáez. Complementary to this,



the thermographic study has been carried out, providing current information on some of the existing conditions.

In relation to the second of these (STA. CROCE), up to now images have been taken by the teams of (ISI, UGR, ARTES). Detailed pathological studies, thermographic and ultrasound studies are pending and will be carried out as planned in the coming months.

As for the third (MARZAMEMI), the possibilities for study are currently being considered and will depend on the accessibility that can soon be available to the existing remains. So far, the line of research that has been proposed for Marzamemi is focused on communication strategies based on contemporary art. The rest remains to be defined.

At this point it is necessary to know and have precise and concrete information about the work done by the different teams, so a table is attached (TABLE No. 1) in which each team will include the requested information. As you know, this document is very important to continue with the good work of the project, therefore, I would ask you to pay the maximum attention to it when you complete it.

PLEASE CHECK AND COMPLETE TABLE 1

Finally, in relation to all the above, it is important to emphasize that the tasks that have been or will be carried out must be oriented towards the predictive tool. This project does not address issues related to specifics in the conservation, maintenance or restoration of the elements affected.

PART B. COORDINATION OF THE TECHNICAL WORK TO BE DONE

On the other hand, and continuing with the coordination tasks required for the correct development of the project, it is interesting to delimit the scope of the study as well as the existing information about it and the work planned to be done.

1. **OBJECTIVE AND SCOPE OF THE STUDY:** The first question (considered necessary/essential and which has been commented on in the different coordination meetings held so far with some of the teams) is related to the work pending and with it the need to establish the object of study (no. of columns) and to define the case study (type of injuries, entity, location, etc.) in order to address it. In other words, to carry out the study on certain elements, due to the interest they may show (severity of the damages, extension of the damages, known evolution of the deterioration, location, etc.), and to deal with the damages that may allow a predictive analysis to be carried out, as established in the main objective of the project.
2. **DELIMITATION OF THE WORK PLANNED TO BE DEVELOPED:** The possibility of making measurements on ALL AND EVERY ONE of the elements and damages is beyond the scope and schedule of this project. Moreover, derived from the deep knowledge and experience in previous pathological and evolutionary studies, it can be assessed that the development of massive studies of damages and elements does not imply a greater advance or guarantee for better results;

Therefore, in order to be efficient and being aware that coordination the tasks that each group need to accomplish to fulfil the objectives of the project is crucial, we propose a delimitation of the object of study, so that we refer only to a determined group of elements,

establishing the damages to be analyzed so that the prediction tool can be later applied to this group of elements (columns).

Specifically, the above-mentioned group of study objects and lesions will be carried out for each of the sites elements as follows. (For the time being, both questions can only be determined on the ALHAMBRA site).

- **ALHAMBRA DE GRANADA. Lions Courtyard Columns**

Objects of study: columns 1 to 31 located on the façade of the Two Sisters' Room, except for the columns (2, 3, 12, 13 and 30).

Damages under studying: Peeling

- **STA CROCE. Columns of the 2nd Cloister**

Objects of study: columns NOT YET DETERMINED

Objects of study: NOT YET DETERMINED

- **MARZAMEMI. Objects and damages under study not yet determined.**

IMPORTANT: At this moment, it is key to know the information and goals that each team has accomplished and determine if this information is possible to start developing the prototype and the tasks and WPs foreseen in the project.

In order to coordinate the different teams, we kindly requested that you complete the attached table (TABLE No. 2), which will include the content related to the available information and other necessary data to carry out the subsequent tasks.

PLEASE CHECK AND COMPLETE TABLE 2

The dates for the submission of the requested information are the following:

- TABLE 1: MARCH 10TH 2020
- TABLE 2: MARCH 30TH 2020

Once this information is available, the tasks pending for each team can be organized and the necessary activities can be established in order to successfully complete the WP3 within the scheduled time frame.

As you know these tasks are very important to continue with the good work of the project; may you have any doubts, please contact us anytime.

Thank you so much for your kind help and cooperation

Best regards

Ana García López and M^a Paz Sáez Pérez

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Finally, as the generation of articles, dissemination documents, presentations, etc. is approaching, we would like to kindly remind you that we need to include the sources and references of the text used (including those of internal work), citing properly in the text and in the corresponding section of references at the end of the text.

This is extremely important (even when we are citing our colleagues' work) since it can be considered as plagiarism. Please, include references to those works carried out so far, as it has been detected that they have not always been included.



WARMEST WP3

TABLE 1. TASKS PERFORMED

TEAM	TYPE OF SURVEY CONDUCTED	OBJECT OF STUDY (elements studied, location, name of the elements, etc.)	METHODS USED	USED SOFTWARE	DURATION OF STUDY	Comments
UGR						
KORE						
ISI						
ITEM						
CTA						
LESS						
ARTES						
ZENON						
MICROCOSMI						
ZEPHYRO						

The information in all the columns will be completed, and you can make as many clarifications as you consider appropriate, in the observations column.

You can also increase the number of columns to enlarge the information

WARMEST WP3**TABLE 2. TASKS TO BE CARRIED OUT**

TEAM	TYPE OF SURVEY CONDUCTED	OBJECT OF STUDY (elements to be studied, location, denomination of the elements, etc.)	NECESSARY INFORMATION AVAILABLE	NECESSARY INFORMATION NOT AVAILABLE	METHODOLOGY /TECHNIQUE TO BE APPLIED	SOFTWARE TO BE USED	DURATION OF THE PENDING STUDY (APPROX.)	Comments
UGR								
KORE								
ISI								
ITEM								
CTA								
LESS								
ARTES								
ZENON								
MICROCOSMI								
ZEPHYRO								

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You can also increase the number of columns to enlarge the information