



Delivery Notification for

Deliverable D14.2 Online Tool

Online Tool for Calculating the Monthly Budget for a Preservation Project

DOCUMENT IDENTIFIER	PS_WP12_SSL_D14.2_Preservation_Calculator			
DATE	26/02/2007			
ABSTRACT	A simple software "calculator, that will calculate the project budget, broken down into monthly units, showing all the logistical and financial consequences of a preservation project			
KEYWORDS	preservation budget planning digitisation web			
WORKPACKAGE / TASK	WP14.2			
AUTHOR, COMPANY	System Simulation (P16)			
NATURE	Notification of a non-publication deliverable			
DISSEMINATION	Public			
INTERNAL REVIEWERS	Ant Miller, BBC			
DOCUMENT HISTORY				
Release	Date	Reason of change	Status	Distribution
1.0	26/02/2007	Notification to SAM team	Living	Public

1. Document Scope

The Storage and Archive Management (SAM) part of PrestoSpace has produced an online calculator **Deliverable D14.2 – Preservation Calculator**. This document formalises the delivery of this calculator and describes its use as one of the SAM analysis tools.

2. Summary of Deliverable

The Preservation Calculator D14.2 allows the manager of an AV preservation project to plan their budget over the span of the project. It is the third of a series of web-based calculators:

- The Storage Calculator , D12.2, is a ready-reckoner that estimates the scale of digital storage that will needed to hold the digitised content.
- The Cost Calculator, D13.2, invites the user to specify a project for preserving analogue media in terms of the carrier types involved and their state of preservation. With further inputs as to actual quoted costs it estimates the cost and storage requirement for each carrier type in the project.
- The Preservation Calculator, D14.2, takes the output from D13.2 and prepares a monthly budget in terms of cost and storage for the project. The user can adjust the monthly spend to match the resources available while keeping track of the overall outcomes.

3. Notification of Delivery

All the calculators are on the PrestoSpace SAM home page:

<http://prestospace-sam.ssl.co.uk/>

4. Detailed Description of Deliverable

4.1. Preservation Project planning – 1 Start

The first page loads the project data for further analysis.

The Preservation Calculator takes as its inputs a project file prepared by the Cost Calculator. This is loaded as the first step in using the calculator.

To help a user wishing to evaluate the calculator without having to build a project, a demonstration project can be loaded on the first page. This demonstration project has three carrier types (Carrier_1, Carrier_2, Carrier_3).

4.2. Preservation Project Planning – 2 Project Duration

This page displays the chosen projects:

- Duration (defaults as 12 months)
- Spend rate (Euro/month)
- Digitisation rate (media-hours/month)

The user can vary any of these and the other two are adjusted accordingly.

4.3. Preservation Project Planning – 3 Planning

This is the main page of the calculator. It displays one line per media type with one column per planning period (eg month 1, month 2, ...) with cells displaying the media-hours to be digitised that period.

The fields are initially populated automatically with the media-hours to be digitised at a constant rate over the project period.

The user can make new entries in these cells causes a recalculation.

The columns are summarised to show the total

- media-hours to be digitised
- cost (KEuros)
- storage requirement (Gb)

for that planning period and also the accumulated totals of those figures for the project to date.

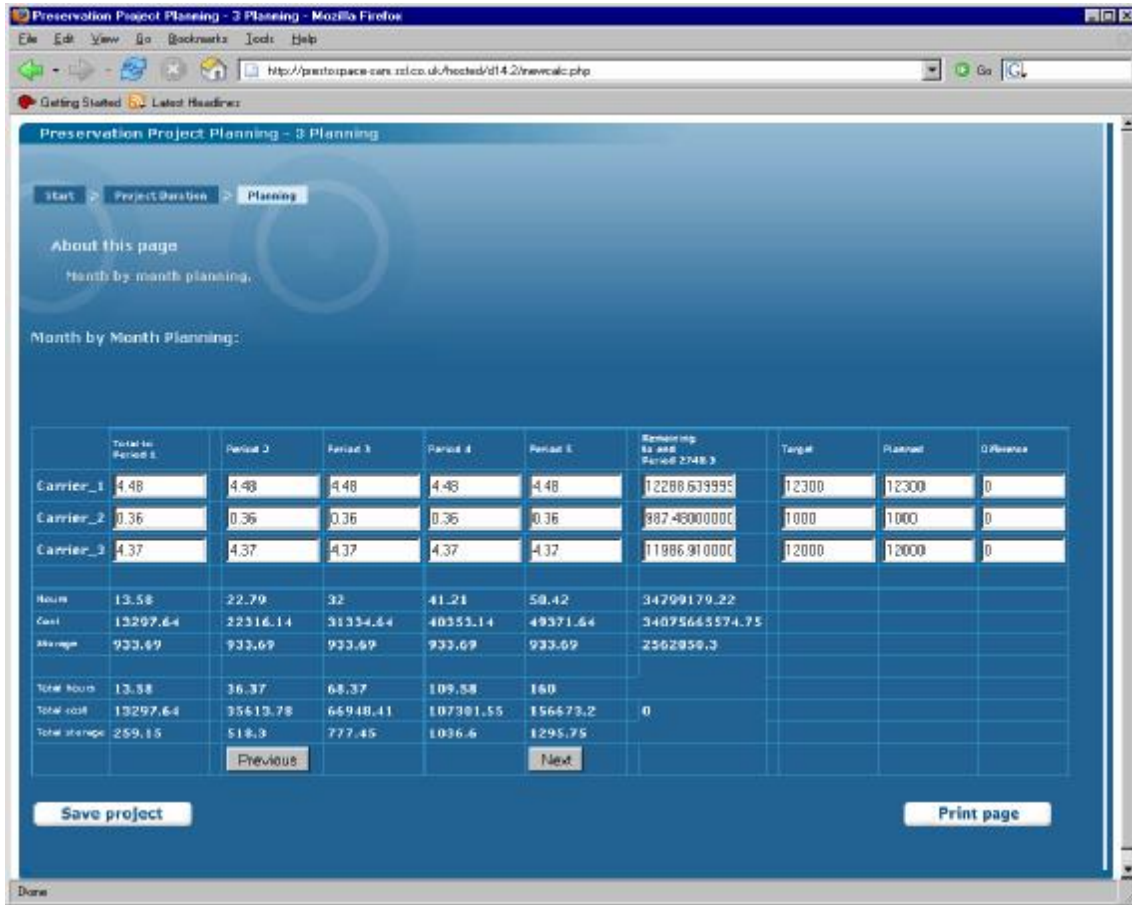
A typical browser will not be able to display sufficient columns without scrolling so the project is presented with a "rolled-up" format:

- To the left, there is a column giving the accumulated totals for the period to date.
- To the right, there is a column giving the accumulated totals for the remainder of the project

There are "previous" and "next" buttons which move the central set of columns one period back or forward in time.

On the far right there are columns giving, for each media type:

- the target total from the Cost Calculator
- the sum of the entries in that row
- the difference between the target and the sum.



The SAM team has undertaken a preliminary usability evaluation which suggests that whereas the “rolled up” presentation is effective for a data entry tool, it is difficult to read to give an overview of the likely progress of the project. This and other input will be used in designing the next version of the calculator.

5. Related Documents and Links

The principal internal documents are:

- “The SAM Website Storage calculator” Richard Wright, BBC; PS_WP12_BBC_D12.2_Storage_Calculator_v1.0
- “D13.1-Web and D13.2 Online Tool”; PS_WP12_BBC_D13.1W-D13.2_Digitisation_Planning