Welcome to CCEX


What the CCEX can do for you

Define your organization profile

Compare your costs by activity

Compare your costs by capital and labour

Browse through cost models descriptions and comparisons

Know what cost models you should use

Know about other's risks and benefits

Connect with others with the same motivations

Stay informed about all news and events

Know about suppliers and their services
**Compare costs by activity**

Define your curation costs by activity and compare it with other users of the same type.

*You must define your organization profile* before being able to compare costs. You still haven’t? Go there now!

Did you know that you can compare the costs by *capital and labour* instead than by activity? If you have your costs organized that way this will be a better option, but if you already have costs divided by activity then you are in the right place!

### My costs by activity

Please add to the list below the costs of all activities that relate to digital curation within your organization. You can create the activities you want, as defined on your currently cost method, and then relate to our defined cost categories. After that you can compare your costs with other institutions that have done the same process.

<table>
<thead>
<tr>
<th>Activity name</th>
<th>Cost</th>
<th>Normalized activities mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digitalization</td>
<td>14000</td>
<td>Ingest 90%, Archival Storage 10%</td>
</tr>
<tr>
<td>Format migration</td>
<td>2200</td>
<td>Archival Storage 50%, Access 50%</td>
</tr>
</tbody>
</table>

Sum 162.00 €

### My normalized costs by activity

Below you can find your cost information normalized to a general set of activities that can be compared with others.

<table>
<thead>
<tr>
<th>Normalized activity</th>
<th>Cost</th>
<th>% of total cost</th>
<th>Cost per TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingest</td>
<td>12500</td>
<td>78 %</td>
<td>2520 €/TB</td>
</tr>
<tr>
<td>Archival storage</td>
<td>2500</td>
<td>15 %</td>
<td>500 €/TB</td>
</tr>
<tr>
<td>Access</td>
<td>1100</td>
<td>7 %</td>
<td>220 €/TB</td>
</tr>
</tbody>
</table>

Sum 162.00 € Sum 3240 €/TB

You defined that your organization has around 5 TB of data.
Cost activity

Name*

Description

Cost* 14000 €

Mapping to normalized activities (for comparison with others)

Ingest 10% (1400 €)
Provides functions for Pre-Ingest and Ingest: Appraisal, submission agreement, Functions to accept digital assets SIPs from producers (validation, metadata enrichment), preparation of them for storage and management within the archive (creation of storage versions (AIPs)).

Archival Storage 10% (1400 €)
Functions for storage, maintenance and retrieval of the stored digital assets (AIPs). Includes media migration, storage hierarchy management, routine error checking and providing disaster recovery capabilities.

Access 10% (1400 €)
Functions that support Consumers in determining the existence, description, location and availability of digital assets. Allows consumers to request and receive the digital assets.

Unmapped 70% (9800 €)
Beware that unmapped costs will not show on the cost comparison with others.

Save
Comparison of costs by activity with others

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Comparison with all other users

<table>
<thead>
<tr>
<th>Activity</th>
<th>Average</th>
<th>Yours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingest</td>
<td>2400 €/TB</td>
<td>2520 €/TB</td>
</tr>
<tr>
<td>Archival Storage</td>
<td>450 €/TB</td>
<td>500 €/TB</td>
</tr>
<tr>
<td>Access</td>
<td>260 €/TB</td>
<td>220 €/TB</td>
</tr>
</tbody>
</table>

Segmented comparison

See the comparison of your costs with other users:
- Of the same organization type as yours
- That have data volumes of the same scale as your organization
- That have the same policy for number of copies
- ...
**Compare costs by capital and labour**

Define your curation costs by capital and labour and compare it with other users of the same type.

- **Important:** You must define your organization profile before being able to compare costs. You still haven’t? Go there now!

- Did you know that you can compare the costs by activity instead than by capital and labour? If you have your costs organized that way this will be a better option, but if you already have costs divided by capital and labour then you are in the right place!

**My costs by capital and labour**

Please add to the list below the all capital and labour costs that relate to digital curation within your organization. You can create the cost categories you want, as defined on your currently cost method, and then relate to our defined categories. After that you can compare your costs with other institutions that have done the same process.

- **Add**
- **Group by**
- **Filter by**
- **Import/Export**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Cost</th>
<th>Cost categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digitalization staff</td>
<td>Labour</td>
<td>10000 €</td>
<td>Support/operations 90%, Manager 10%</td>
</tr>
<tr>
<td>Digitalization machine</td>
<td>Capital</td>
<td>90000 €</td>
<td>Hardware 90%, Software 10%</td>
</tr>
</tbody>
</table>

Sum 100000 €

**My normalized costs by financial cost category**

Below you can find your cost information normalized to a general set of labour and capital cost categories that can be compared with others.

**Labour**

<table>
<thead>
<tr>
<th>Labour category</th>
<th>Cost</th>
<th>% of total cost</th>
<th>Cost per TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT-developer</td>
<td>0 €</td>
<td>0 %</td>
<td>0 €/TB</td>
</tr>
<tr>
<td>Support/operations</td>
<td>9000 €</td>
<td>9 %</td>
<td>1800 €/TB</td>
</tr>
<tr>
<td>Records manager</td>
<td>0 €</td>
<td>0 %</td>
<td>0 €/TB</td>
</tr>
<tr>
<td>Manager</td>
<td>1000 €</td>
<td>1 %</td>
<td>200 €/TB</td>
</tr>
</tbody>
</table>

Sum 10000 €  
Sum 10 %  
Sum 2000 €/TB

**Capital**

<table>
<thead>
<tr>
<th>Capital category</th>
<th>Cost</th>
<th>% of total cost</th>
<th>Cost per TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>81000 €</td>
<td>81 %</td>
<td>16200 €/TB</td>
</tr>
<tr>
<td>Software</td>
<td>9000 €</td>
<td>9 %</td>
<td>1800 €/TB</td>
</tr>
<tr>
<td>External services</td>
<td>0 €</td>
<td>0 %</td>
<td>0 €/TB</td>
</tr>
<tr>
<td>Building costs</td>
<td>0 €</td>
<td>0 %</td>
<td>0 €/TB</td>
</tr>
</tbody>
</table>

Sum 90000 €  
Sum 90 %  
Sum 18000 €/TB

You defined that your organization has around 5 TB of data.
Financial cost

Name*

Description

Cost* 14000 €

Type* Labour

Mapping labour to standard staff roles (for comparison with others)

IT-developer — 10% (1400 €)
Staff that develops software. Software engineers, programmers, it-developers, coders.

Support/operations — 10% (1400 €)
Staff that executes technical tasks, for example testing digital material at ingest, operating the computers when migrations occur, burning optical disks, setting up robots, etc.

Records manager — 10% (1400 €)
Staff that contributes to and executes the preservation planning of the managers, develop the organisation, appraise at pre-ingest, consultants at access, administrative tasks.

Manager — 10% (1400 €)
Staff that organise and plan the work of digital curation in the organisations. Make tactical and strategic decisions, have staff responsibility, budget mandate and administrative tasks.

Unmapped 60% (8400 €)
Beware that unmapped costs will not show on the cost comparison with others.

Save
My financial cost

Name* 

Description

Cost* 14000 €

Type* Capital
Labour

Mapping capital costs with standard acquisition types (for comparison with others)

Hardware 10% (1400 €)
Machines and media used throughout the whole digital asset lifecycle. They receive, store, validate, make copies, migrate and disseminate digital assets.

Software 10% (1400 €)
Programmes used throughout the whole digital asset lifecycle. They receive, process, validate, create copies, migrate and disseminate digital assets.

External services 10% (1400 €)
Costs spent to buy services from 3rd party providers.

Building costs 10% (1400 €)
All costs pertaining to building costs, electricity, water, overhead in general.

Unmapped 60% (8400 €)
Beware that unmapped costs will not show on the cost comparison with others.

Save
Comparison of labour and capital costs with others

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Comparison of labour costs with all other users

<table>
<thead>
<tr>
<th>IT-developer</th>
<th>Average (2400 €/TB)</th>
<th>Yours (2520 €/TB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support/operations</td>
<td>Average (450 €/TB)</td>
<td>Yours (500 €/TB)</td>
</tr>
<tr>
<td>Records manager</td>
<td>Average (450 €/TB)</td>
<td>Yours (500 €/TB)</td>
</tr>
<tr>
<td>Manager</td>
<td>Average (260 €/TB)</td>
<td>Yours (220 €/TB)</td>
</tr>
</tbody>
</table>

Comparison of capital costs with all other users

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Average (2400 €/TB)</th>
<th>Yours (2520 €/TB)</th>
</tr>
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<td>Yours (220 €/TB)</td>
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Segmented comparison

See the comparison of your costs with other users:
- Of the same organization type as yours
- That have data volumes of the same scale as your organization
- That have the same policy for number of copies
- ...

Comparison by activity

Want to compare your costs with others based on activity? Then start mapping your costs to activities and access more fine-grain cost comparisons!
Know what cost models you should use

Please fill in the following information so that we can recommend you information about cost models, literature you might find of interest, and other resources as events, discussion forums, blogs, and websites that might interest you.

Cost model accuracy preferences
- Less accurate cost model that will finish in half a day
- Average accuracy cost model that will finish under a week
- Very accurate cost model that will take more than a week

Notes on cost model accuracy preferences

Motivation to determine costs
- Risk
- Trustworthiness
- Benefits
- Sustainability
- Other

Other motivations to determine costs

Assets of interest
- Text documents
- Email
- Spreadsheets
- Databases
- Multidimensional datasets
- Others

Other assets of interest

Activities to be costed
- Pre-ingest
- Ingest
- Data Management
- Archival Storage
- Others

Other activities to be costed

Preferred tool type
- Analysis
- Estimation
- Availability of spreadsheets with default data
- Other

Other preferred tool types

Get recommendations
We found the following resources for you!

Based on your preferences, we recommend the following information.

Cost models

The LIFE cost model
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more information

The KRDS cost model
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Literature

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Events

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more information

Other resources

- Blog X
- Forum Y
- Website Z
Help

Organization type

Research funder
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Memory institution
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Preferred tool type

Analysis
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Estimation
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