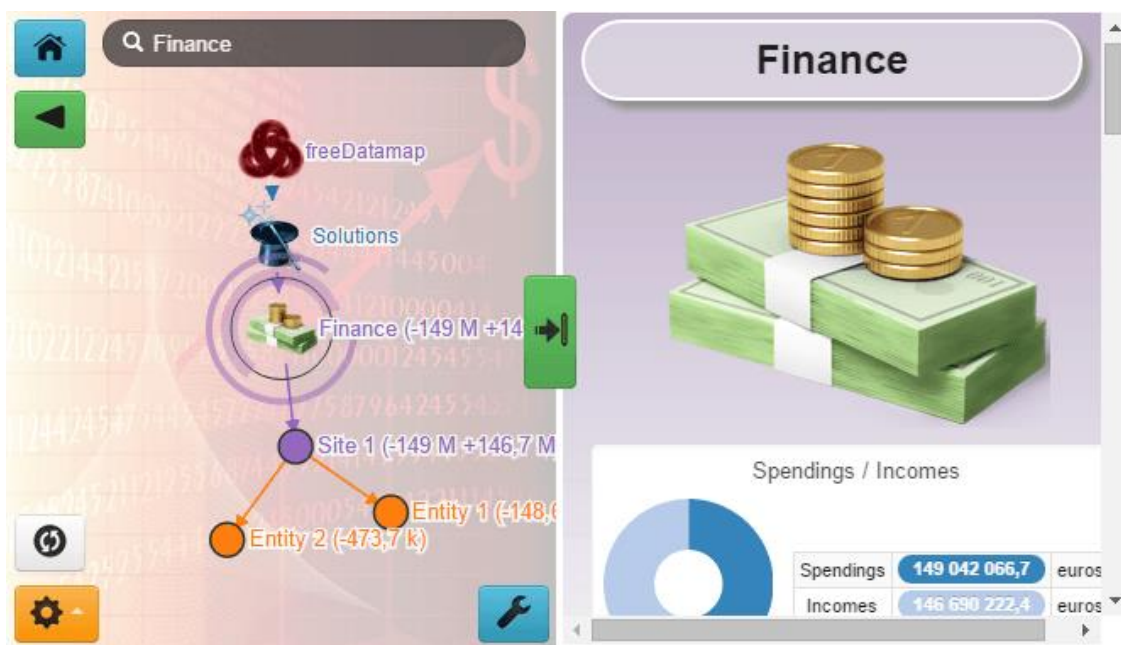


freeDatamap

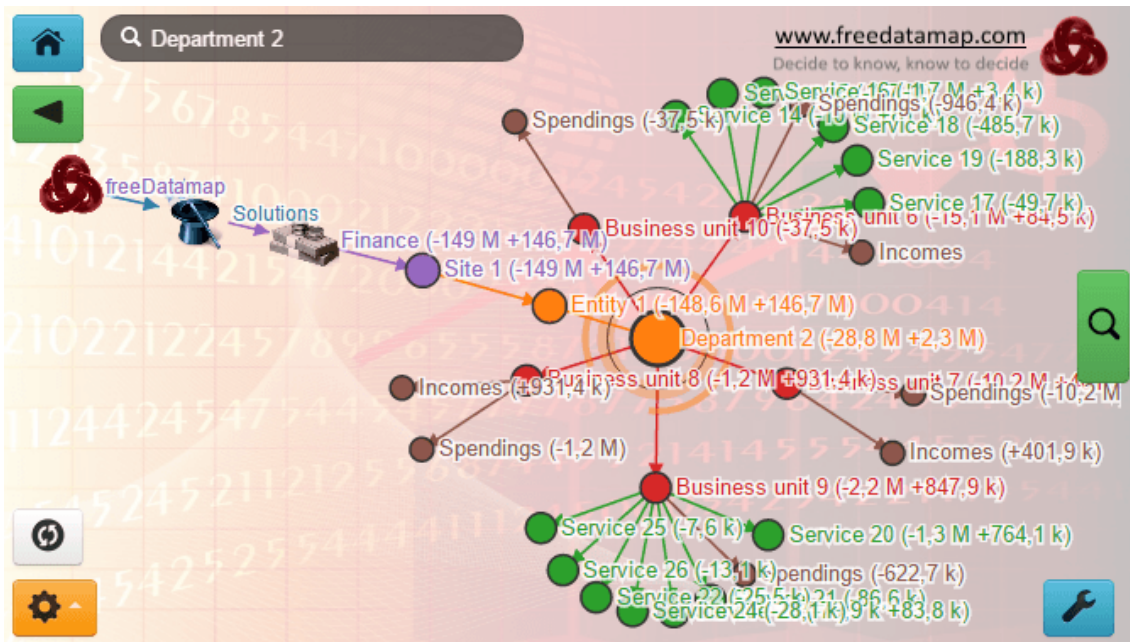


Adapt your data to your mental model
Mind Mapping + Business Intelligence = freeDatamap



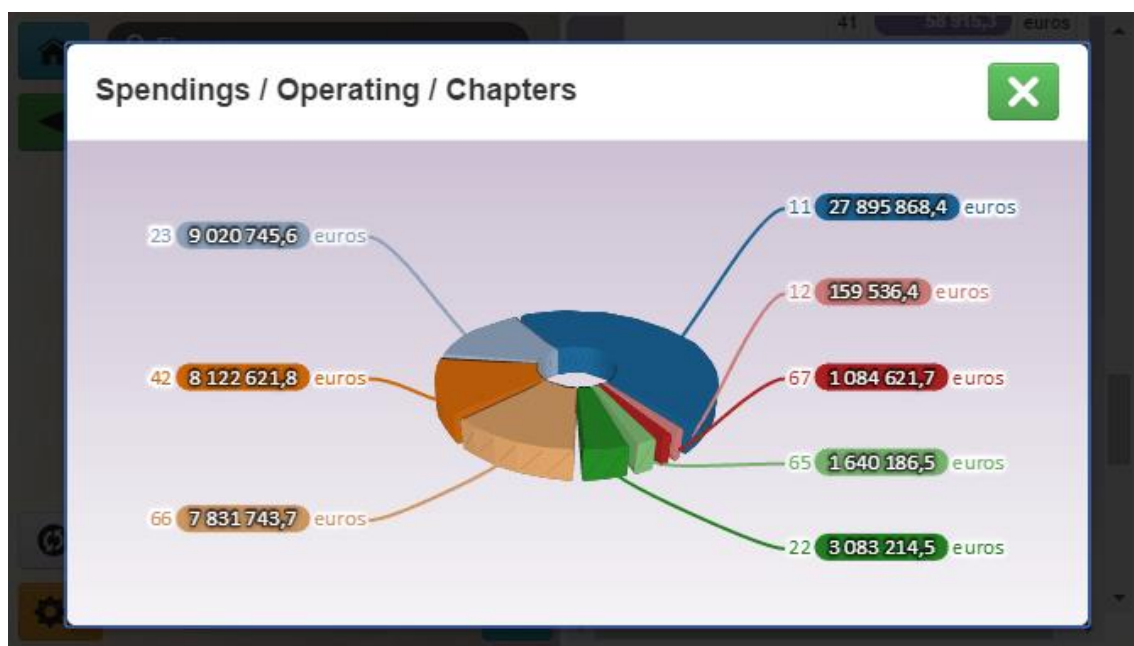
Minimize cost

Discover your data in a radically new way and bring value to your organization.



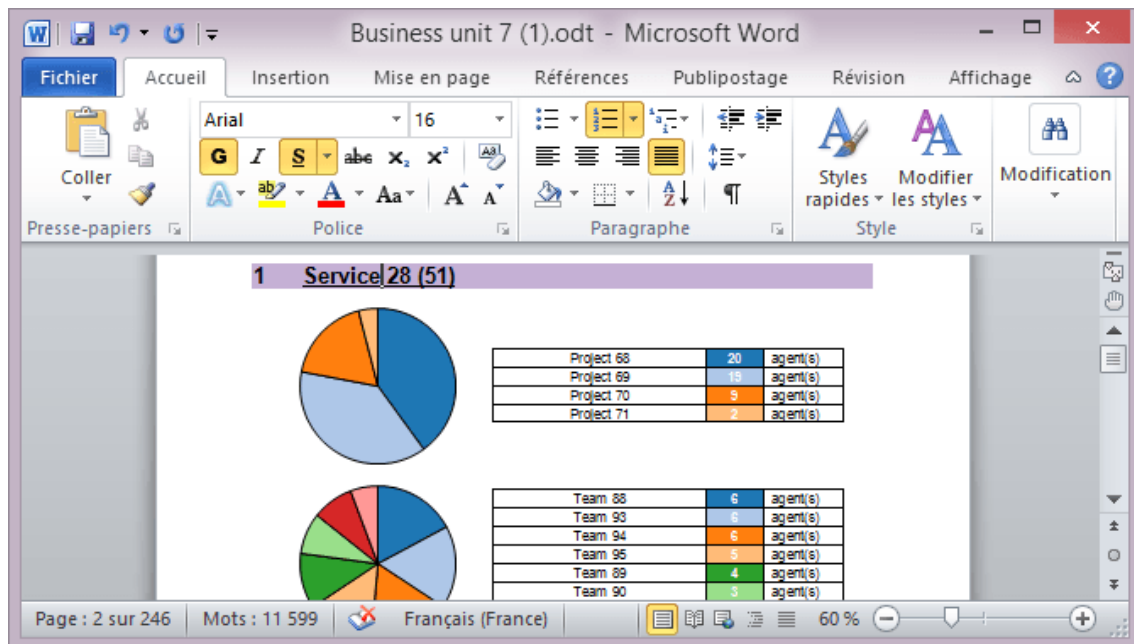
The Web UI for big data

Combining BI, mindmapping and monitoring technologies, will undoubtedly help you to struggle in high volume of information.



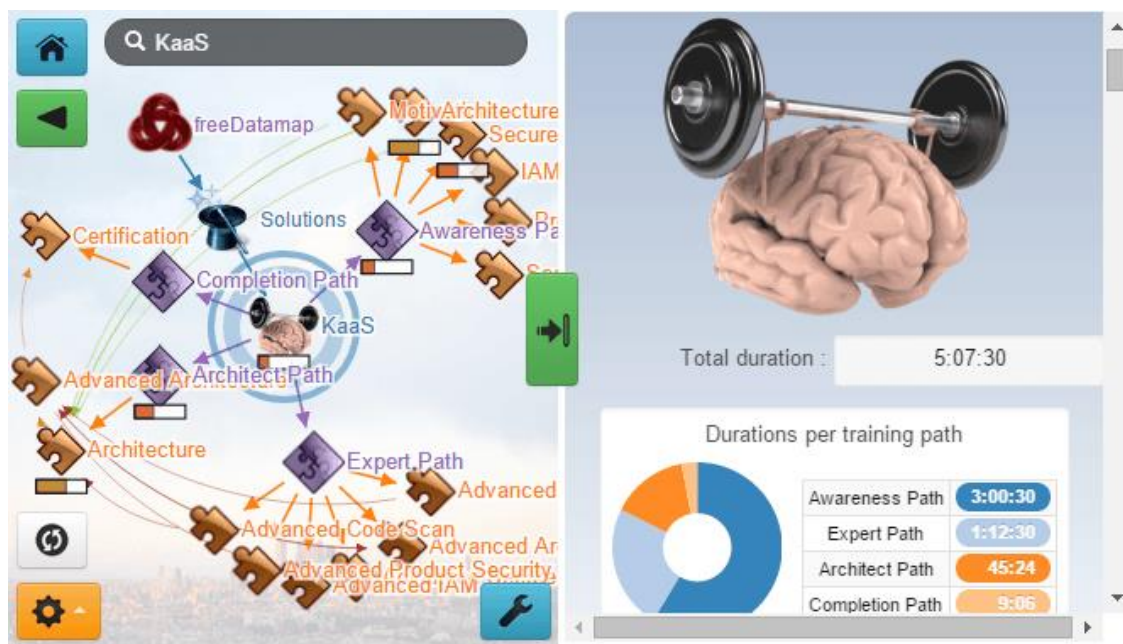
Easy to use

FreeDatamap offers an insider perspective into both detailed and aggregated indicators.



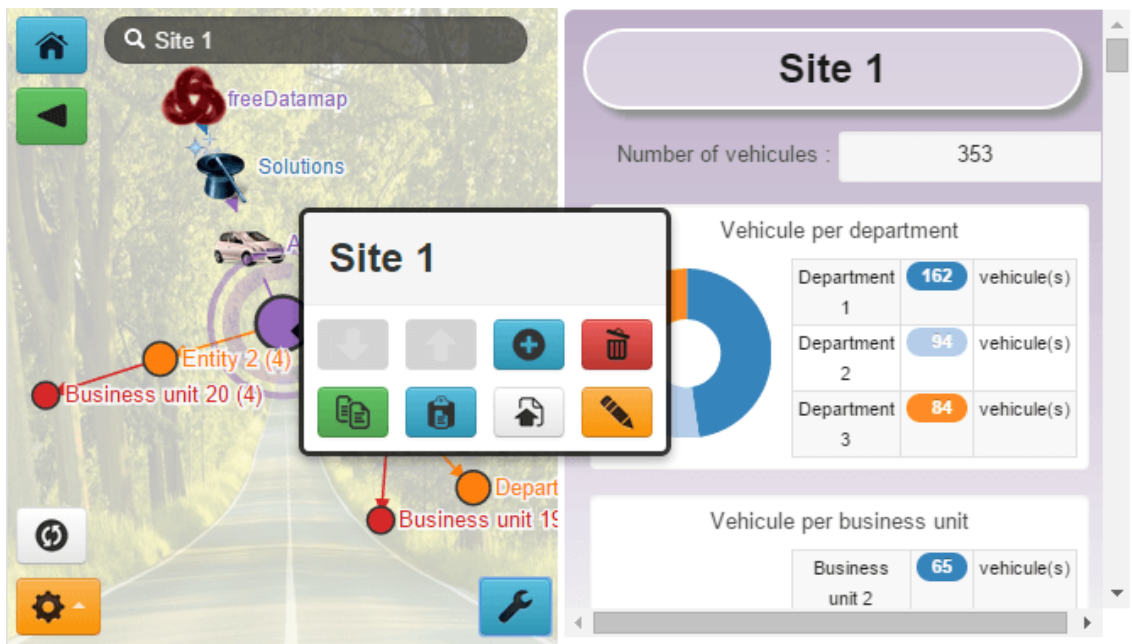
Accurate editable reports

Nudge key people towards smarter decisions thanks to generated Word reports (not pdf but editable Word document).



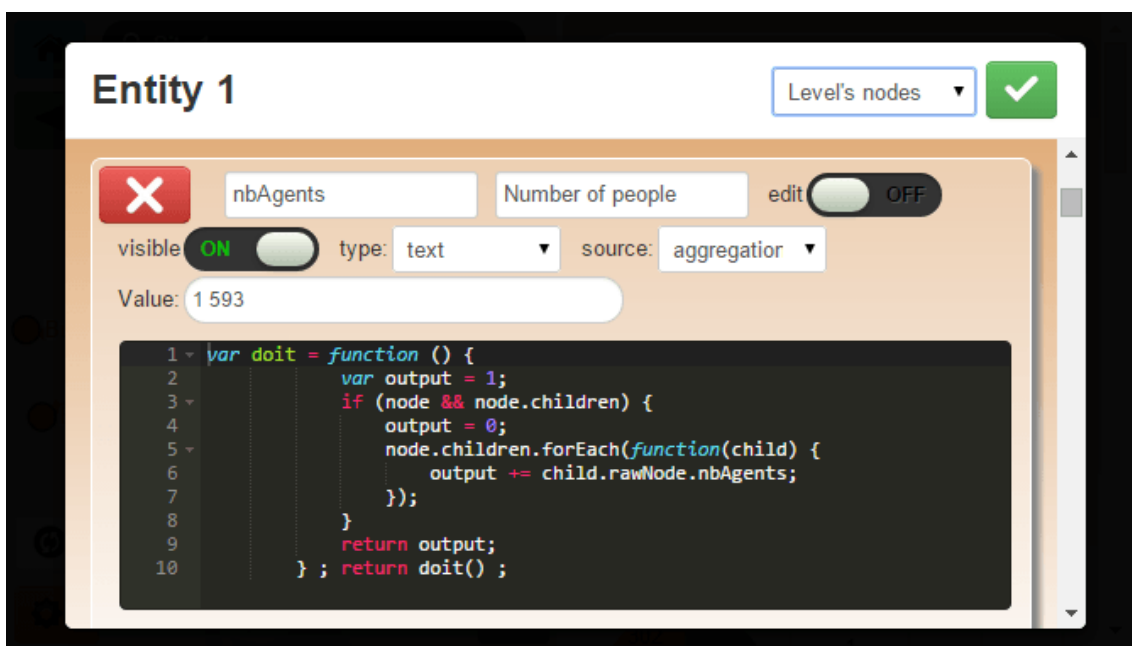
Knowledge as a service

Alerts and progression gauges can be displayed for each level of your organization. By this way, gain engagement of the people in charge of the operations to achieve these goals.



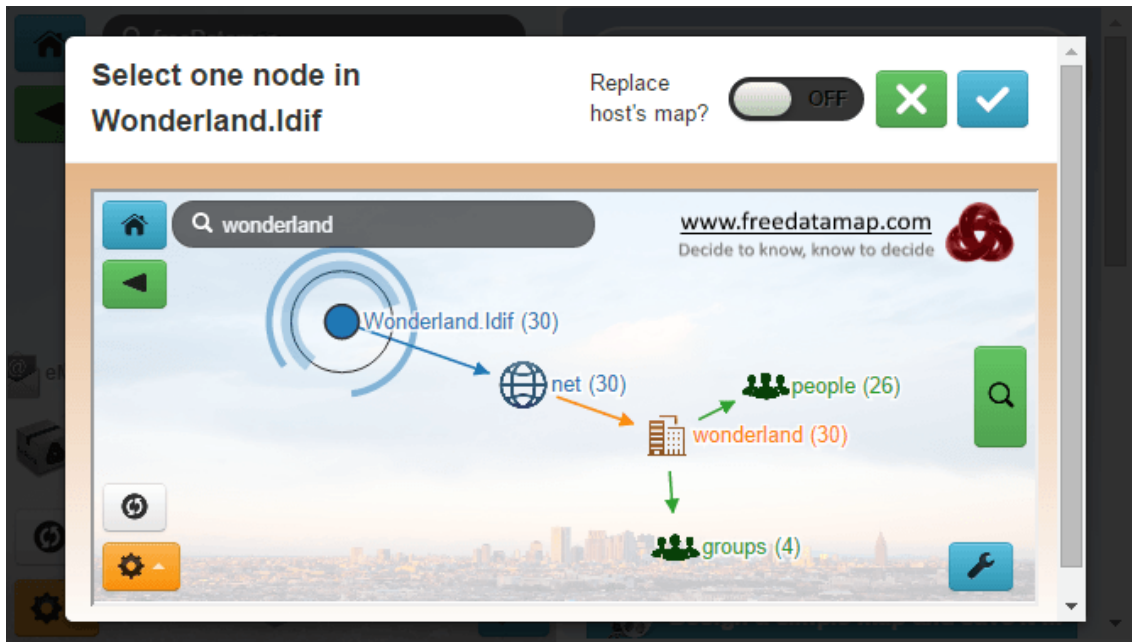
Take the control and edit the map

From your map you can edit, move, delete any part of the data structure and re-launch the aggregation process to simulate the impact of the organization change.



Change the data model

Take advantage of your growing amount of data with a tool flexible enough to provide model modifications in order to secure your synthetic overview whatever deep are the data changes.



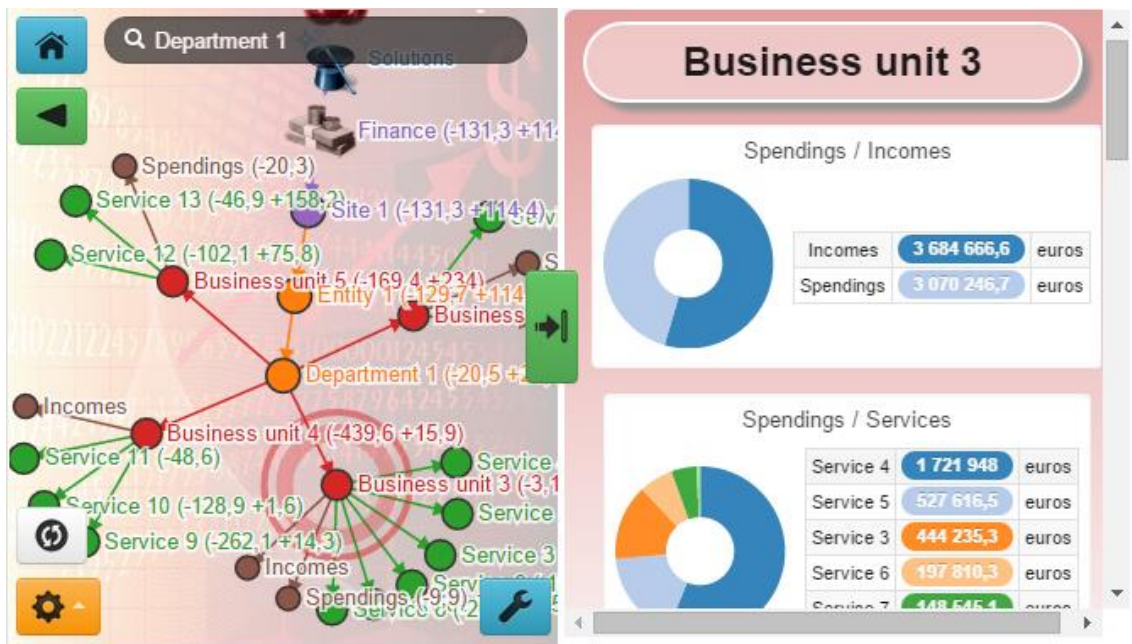
Break silos

Import any other map and merge data coming from different sources. FreeDatamap allows synergies between heterogeneous data coming from different parts of the organization.



Heterogeneous data aggregation

Gather in one map the portfolio of data that your team has. Connect your freeDatamap to any kind of data source.



Understand the knowledge patterns of your business

Adapt the complexity of data coming from your organization to your mental model.
Choreograph your data to work together based on your specific needs.

What is freeDatamap ?

FreeDatamap's purpose : representing spatially, business data that have no intrinsic spatial properties.

FreeDatamap provides a unique way to browse any kind of data.

It is a web application that provides the possibility to navigate into structured and unstructured data. With its unique algorithm, freeDatamap is able to create a tree structure from flat data. It gathers in one map all the heterogeneous key information of a company.

FreeDatamap helps turning flat and boring sheets of data into a unique visual compelling dashboard. With freeDatamap you can build, aggregate and index a mindmap of data and place decision makers at the very center of the information.

What does freeDatamap ?

FreeDatamap allows visualizing data

It displays data in a force oriented circular layout with a right panel showing the attributes of the selected node. You can browse a big bunch of data by going through any desired node

and discover its underlying data. This makes freeDatamap ideal for exploring large datasets.

The physic engine algorithm makes nodes position themselves according to the 2D space around and according to the dependencies they have with each other. It leads to an **optimal layout** to see the maximum number of information in one glance.

The graph is interactive and allows users to move nodes as well as navigating through them.

FreeDatamap does analytics

For each node of the graph, there is a set of properties displayed on the right panel. In the right panel you'll find either raw attributes for this node or aggregated ones (sum, average, whatever) with charts providing a visual representation of the data hidden under this node.

Thanks to a fast and **powerful aggregation algorithm**, remote relationships can be bridged through a **unified view** from where you can navigate and **drill down** from macro data to micro.

A multidimensional aggregation is computed recursively from the deepest parts of the graph to its root.

With freeDatamap, you can aggregate thousands of information and bring this complex topology of data into the hands of the right people in a simplified way that enables them to take the best decision within minutes instead of days without.

Use the power of **multidimensional consolidation** to allow the easiest interpretation of your business.

FreeDatamap is **built to be flexible**. It was not designed for a specific kind of data. If you have data with some relationships between them, then freeDatamap is for you !

FreeDatamap does monitoring

Alerts and progression gauges can be added to any node and displayed at the root level but also for each level of your organization.

Any warning coming from any sub-node will raise a warning icon on each node of its parent's branch. You want to see the completion percentage of an operation? Just look at the gauge and then drill down in the graph to find the red gauge and identify the bottleneck.

Easy to modify

Take the control of your data: from your map you can edit, move, delete any part of the data structure and re-launch the aggregation process to simulate the impact of the organization change.

The capability of **changing the map** from within the map can be used to measure the effectiveness of an organizational change. You want to simulate the merging of two parts of the organization and see its impact on your OPEX ? The answer is simple as a click.

FreeDatamap makes the link between flexibility and ease-of-use : not bound to a dataset, but flexible enough to adapt to any kind.

Another reporting tool

From anywhere in the map you can produce an exhaustive word report, not a pdf, but an editable word which can be the starting raw material of a hand-continued study.

Intuitive and responsive

FreeDatamap delivers a fast and visually attractive user interface that **runs on any support: computers, tablets or phones.**

You can run it in SaaS (freeDatamap runs in a web page)

...or download it and install it in a web server. If you use it from its web address (www.freedatamap.com) don't worry about the privacy of your data, because, except during the load of the application, there is no communication with the server, as freeDatamap (in its free instance) is serverless : so everything is executed in you web client and stays in your own web browser (to be sure : start playing with www.freedatamap.com, disable your internet connection and then inject your own data, do what you want and don't forget to save your work as a json file or produce your reports).

“The system we need is like a diagram of circles and arrows, where circles and arrows can stand for anything”

TIM BERNERS-LEE Director of the World Wide Web Consortium (W3C)

1 Features



Stop being alienated to the inefficiencies of monolithic traditional ERPs rather than engaging your team with a reliable, simple, efficient and compelling tool!

Unchain your data !

Features list :

- Unlimited users : full web 2.0 application
- Data visualization : one centralized trusted map for all your data
- Workflow and business process visualization
- Search capabilities : easy and immediate data queries
- Report creation from anywhere in the map
- Automated classification and real-time data enrichment
- Advanced analytics
- Simulation capabilities
- Data mining : navigate into your data map and drill down to find the root cause of an indicator
- Self-service, inject any kind of dataset and use FreeDatamap in SaaS
- Dashboards, gauges and alerts
- Role-based information access (not in the free version)

FreeDatamap helps building and nurturing a data ecosystem and then formulating and communicating a strategy on top of it.

Take advantage of your growing amount of data with a tool capable to bring an aggregated synthetic overview as well as to drill down into atomic data.

Enable

Get a data source, measure and calculate, deliver a clear dashboard.

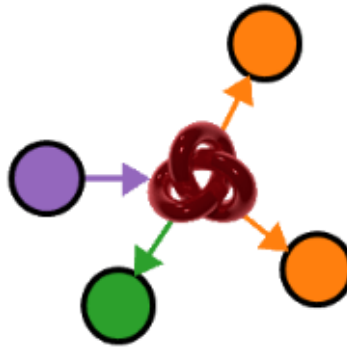
Drive

Use and analyze the map of data, monitor alerts and progression gauges, forecast the impacts of an operational action by editing the map and setting new values.

Amplify

Deliver the map to executives on mobile supports (make data available and accessible for those who need it), produce reports on regular basis, develop specific sub maps to explore particular aspects.

1.1 Interactive visualization



FreeDatamap creates new data browsing experience.

FreeDatamap provides an **intuitive user interface** and a unique graphical display to easily visualize any kind of data.



The physic engine algorithm makes nodes position themselves according to the 2D space around and according to the dependencies they have with each other. It leads to an optimal layout to see the maximum number of information in one glance.

The graph is also interactive and allows users to move nodes as well as navigating through them.

FreeDatamap aims to present data in the way decision makers think their organization and offers an insider perspective into both detailed and aggregated indicators.

Gathering in **one unique view** the most important data of an organization allows uncovering

good practices in managing information.

Data decomposition in a tree of information

Mapping any kind of data into a tree is the most user-friendly way to understand problems. The decomposition of the information into a set of categories and sub categories is a universal paradigm. At least the minimum structure of any organization is its hierarchy. Mapping operational data, like financial indicators, supply chain counters, human resources, or general means consumptions, into one organization's hierarchy, offers a first-step basic but useful dashboard.

Most of the time, the absence of a well-articulated data decomposition reveals a lack of strategy for understanding indicators and for decision making. Enforcing data to be structured in a tree (with the possibility of doing transversal links and cycles) fills that gap and can be a source of competitive advantage. Indeed, there is a correlation between having a formalized governance of bottom-up metrics and the success-rate of any costs control strategy, implying that there is much to gain by improving the organization's data model and by managing to achieve the clearest map of key indicators.

Discover your data in a radically new way and **bring value to your organization**.

FreeDatamap's visualization helps to see hidden information patterns. Its graphic design is made to classify and categorize data entities and to show their meaning.

FreeDatamap allows you to understand the knowledge patterns of your business and weight them against predetermined goals helping key people stay on track.

Designed for high volume of data

You can display two or three levels of information at the same time, to go down and discover the data under the branches of one node, just touch (or click) it to center it and open it.

So whatever is the depth and the quantity of data you have to manage, FreeDatamap still provides an easy way to navigate into it.

Monitoring capabilities

An icon sticker can be displayed on each node of the graph depending on the value of one node's property. As well as a gauge in order to see in one glance the progression of one node's indicator.

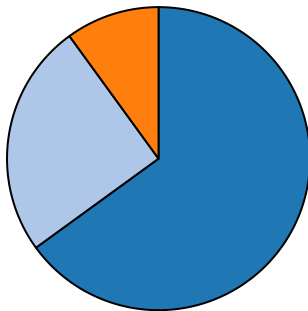
Alert managers if an indicator violates its threshold and allow drill down to understand where and why there is a problem.

With freeDatamap, keep an insight to all the vital signs of your business.

1.2 Dashboards



pie chart exemple



a	65	units
b	25	units
c	10	units

A complete feature set for building next generation HTML5 dashboards

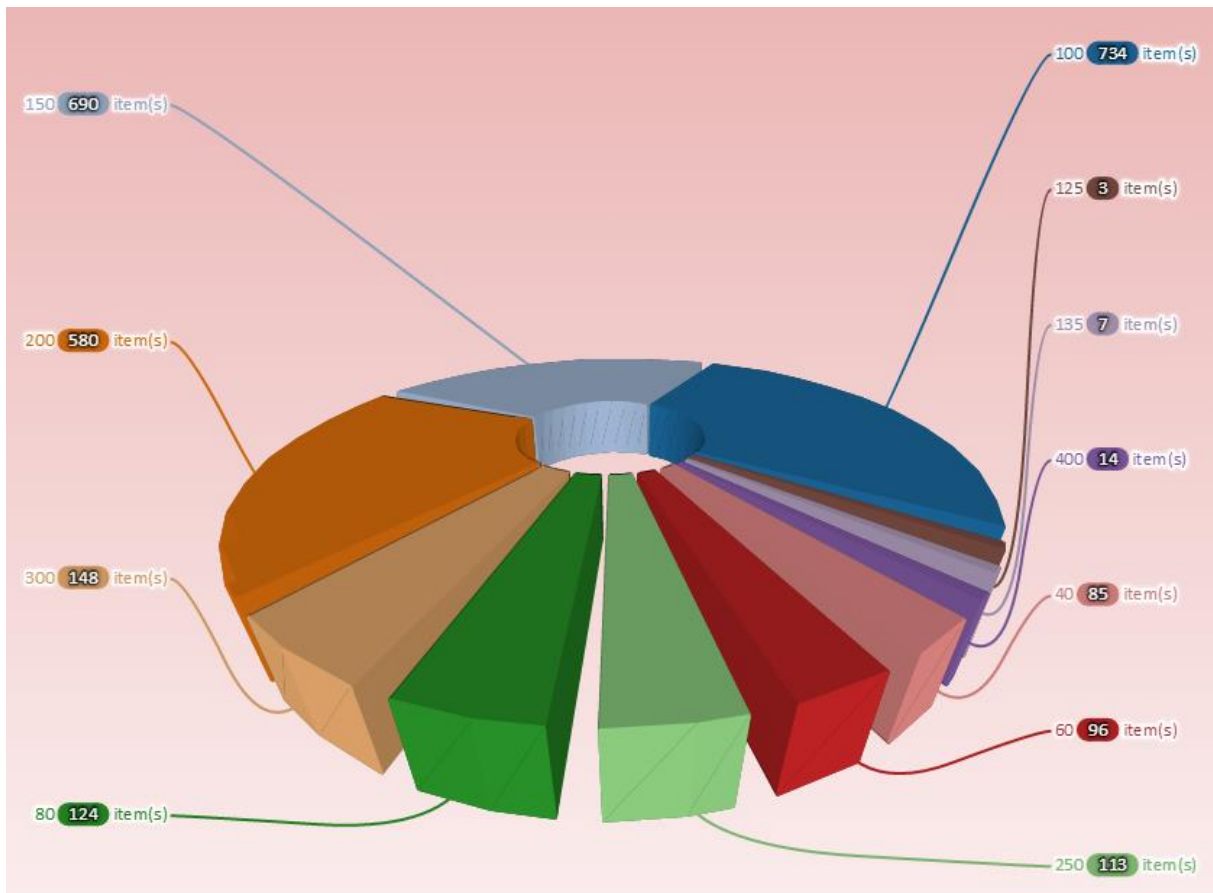
FreeDatamap's layout is designed for rapid information access : the map on the left can display alerts and progression gauges showing the result of bottom-up flow of information ; the right panel displays the properties of the node that is currently focused in the map.

In the right panel, classical charts and description texts are visible: giving all the available information from the part of the map that is focused.

The combination of both views, graphic map and classic charts, leads to a complete and interactive dashboard for rapid information access.

3D interactive charts

pie chart 3D exemple



Even if you don't have any 3D graphic card, freeDatamap charts can be rendered in 3 dimensions thanks to a light home-made 3D engine.

The 3D chart is touch reactive to control easily its rotation.

Make high-quality Web dashboards with a set of charting components designed to deliver interactive visualization of business data.

To build an exhaustive and effective business oriented dashboard, freeDatamap provides customizable gauges for each node in the map, smooth animations, professional skins, dynamic data-driven maps, 2D or 3D charts, etc.

Combined with its powerful aggregation capabilities, freeDatamap provides a holistic, organization-wide, dashboard to understand many operational areas that intersect and ultimately converge in a unified data map.

You can't manage what you don't measure...

1.3 Analytics



It's all about data...

In the majority of companies, information is not shared consistently across the organization, nor is data readily available to those who need it. Take advantage of the most highly configurable analytical capabilities to regain control on the information flow and to bring data together in one unique place.

Thanks to FreeDatamap, all kinds of data can be considered holistically.

Aggregate to concentrate...

Aggregation is the process of simplifying data to concentrate its meaning.

Designed to rapidly aggregate data in a multi-dimensional way, freeDatamap helps you manage efficiently your organization's information stream. Analytical capabilities of freeDatamap, combined to its unique algorithm to build a tree structure from flat data, provides you with **the right tool for data driven decision-making**.

Thanks to its powerful capabilities to aggregate into one map all the key information of a company, use freeDatamap to help driving a culture in which data-driven decisions is a standard practice.

With freeDatamap : access the right data, share the knowledge, break silos, help data to go "social", make data available, enriched and collectively improved.

Salvation by coding

Don't believe software vendors telling you that you can do accurate and insightful business support systems without coding parts. Impossible to handle all the specific cases that appear in real life without true coding capabilities to achieve really customized operations on complex datasets. Between complex graphical UIs and pseudo languages : choose standard javascript coding!



For each node, or, for all brother nodes of one level, you can create multiple aggregation rules.

The result of each aggregation function goes into one attribute of the node (the attribute name is the name of the aggregation rule).

During the aggregation process (at map loading time or by hitting the refresh button), all the nodes of your map are visited from root to leaves (foretrack way), and then back from leaves to the root (backtrack way). You can choose if your aggregation rule is executed when the node is visited during the foretrack way or if it is executed during the backtrack way (usually more natural because children properties are known before computing its parent ones).

Aggregation rules are simply javascript functions with two variables available : the node on which it is executed, and another variable for more advanced usages containing all the nodes of the current map.

Example

The following screenshot shows how the number of people per organization branch is computed : in the HR map, all leaves are people, and each node that is not a leaf is a part of the organization with a property telling the number of people in it.

You can see that any particular case can be easily managed by just adding an 'if-then-else' statement in the code.



The calculation engine of freeDatamap takes all the javascript aggregation functions and compute them in an extremely fast way in a separate worker thread inside your client browser.

This leads to **highly customizable and powerful data transformation** on the client side.

With freeDatamap : program your own data tree and dashboard to respond to your own various conditions; this tool allows you to efficiently adapt your data to your own ecosystem.

Aggregate thousands of information and bring this complex topology of data into the hands of key people in a simplified way.

FreeDatamap aggregates, indexes and builds a mindmap of data providing direct links to atomic data and places decision makers at the very center of the information.

FreeDatamap can provide the formal KPI map system for measuring and promoting organization changes. With its flexible aggregation engine, it is able to recursively compute and display the progression gauge of some indicators and by this way gain engagement of the people in charge of the operations to achieve these goals.

1.4 Operations



See, play and... modify

You can not only browse the map and navigate from node to node: indeed, directly from inside the map, you can also add new nodes, delete nodes, move branches of the map, (cut/paste the root node of an organization branch), etc.

Combining the edition capabilities with the aggregation engine provides an easy way to simulate the impact of an organization change. Remove or merge two parts of the tree, re-execute the calculation engine, and you can see the impact of any organization change on your financial map-dashboard.

You can edit the map, but you can also edit the properties of the nodes. All what you see in freeDatamap can be easily configured/changed from inside freeDatamap. Choose one node, edit it, and you'll go behind the scene without any more tool than just your browser.

Node icons, colors, styles, arrows length, attribute values, attribute types, aggregation functions, charts calculation, rich text, transversal connections, etc : **everything can be easily changed from exactly the same UI in your favorite browser on your favorite device.**

Moreover, you can create aggregation rules to define the UI properties of your map depending on data values in order to generate a map that will visually highlight all the different use cases, without doing it manually, but automatically, thanks to a **style that is data-source driven**.

1.5 Data sources



Some maps are completely generated from a data source. A flat file of data, containing comma separated text, combined with a configuration file indicating how to build the tree, are enough to create a map.

You just need to give a csv file and tell the tool which columns will be used to create the tree and freeDatamap will build the map. Comma-separated-values plain text files (csv) coming from spreadsheet, database or any datamart tool, plus a configuration file in JSON, allow freeDatamap to create the tree and do the analytic aggregations.

With several data sources and, consequently, several parts of the tree, gathered in one map containing sub maps as branches of one tree, you get, at the end, a holistic view of all the key information of any organization.

Input and output plugins compliant to main data standards allow anyone to connect any new data source (in the free version : **csv**, **json** and **ldif** input and output plugins are available). This means that any spreadsheet export, flat data table, structured data, and active directory exports can be used to create maps of data.

Thanks to seamless interoperability with standards, freeDatamap allows fluid and fast data integration.

By connecting to any kind of data sources and allowing users to define their own commands based on data contextual requirements, freeDataMap greatly expands the business intelligence landscape of your organization.

Integrate different sources of data and be part of a world becoming more integrated than ever before.

Expose the appropriate data part of your organization and contribute to the collective knowledge.

FreeDatamap helps to achieve the move from controlling data locally to start working on data globally, from reports and dashboards in a disorganized way, to a clear map of data fed in a formalized organized way, with clear standards and a simple technical engine to gather and merge data.

Managing data is the key of value in an emerging marketplace of growing data sources where knowledge makes the difference.

1.6 Mobile



FreeDatamap is a Web Application

It is an application built with web technologies (HTML, CSS, JavaScript) that is accessible via a mobile browser as well as a desktop browser of course. It belongs to the “responsive design” class of web applications.

This application was developed according to the “mobile first, desktop second” strategy. It combines the versatility of the web with the functionalities of touch-enabled devices, rich look and feel, offline browsing, etc.

This means that freeDatamap is compatible with iOS, Android, Windows Phone, Windows, MacOS, Linux, etc.

With FreeDatamap it is easy to deliver to a large mobile audience the data you want to expose.

1.7 Self service



Business intelligence is no more reserved to complex and expensive software solutions. Let's enter the era of self-service business intelligence.

Business Intelligence is shifting from an IT-centric centralized process to a self service decentralized process.

Visual data discovery is the corner stone of end user BI self service.

FreeDatamap is providing the ideal environment to easily discover, access and share the information, reports and analytics.

Thanks to its user-friendly and intuitive interface, freeDatamap is one of the lightest and most powerful self-service business intelligence platform currently available.

2 Solutions



Choreograph your data to work together based on your specific needs.

FreeDatamap is committed to helping HR, finance and procurement leaders to regain control of their spend analysis function by providing them with rapid, easy-to-use and cost-effective web-based application that has been developed in collaboration with and for customers.

FreeDatamap is pertinent especially in areas where reliance on quantitative information is prevalent : finance, sales, human resources, strategic planning, operations and supply chain management.

One benefit of FreeDatamap is to allow synergies between heterogeneous data coming from different parts of the organization, to **bring a new thinking to the table**, and be able to translate that into engagements in the business.

The absence of the necessary collaborative participation involving different professionals coming from completely different parts of the organization, lead to high rate of failures in which the anticipated savings have rarely, if ever, been materialized. With freeDatamap you can increase the speed and the accuracy of your decisions thanks to a unique and compelling data map gathering all the key indicators of your organization.

FreeDatamap offers an intelligent utilization of information to establish and then quantify real-world results in critical areas such as financial outcomes, increased personnel, procurement, performance and strategy compliance and maintenance.

Find your way in an overwhelming amount of information.Reduce costs.Increase profitability.Manage risk.Optimize internal process.Reduce time to make fact based decisions.Rationalize, classify, analyze, are the efforts needed to gain insight into HR, financials, supply chain, IT and other internal information. This is what freeDatamap was made for.

Access the information to effect positive front line decision-making.

FreeDataMap gives awareness and control on all the data you need for your day to day business. From a unique root node, you can browse and aggregate thousands of information and bring this complex topology of data into the hands of people in a simplified way that enables them to take the best decision within minutes instead of days without.

2.1 HR



FreeDatamap serves the **enterprise 2.0**. It provides powerful search capabilities to discover people, projects, information that drives collaboration, and leverage ROI.

By putting employees as key entities of human-resources' centric map, authorship of projects and tasks is promoted. With both hierarchical and transversal relations, freeDatamap allows visualization, in a single map, of the organizational structure as well as “social” transversal connections bringing people together according to either transversal projects or common interests.

FreeDatamap provides new mechanisms to give the staff access to richer information, with more contextual relevance that helps achieving the transition from informing to sense-making.

The capability to visualize graphically the arising of new patterns from the multiplicity of interactions between teams uncovers new facets of the business value of one's organization. Understanding those patterns and valorizing them may lead to substantial return on investments and can be a key success factor for the enterprise 2.0.

Unveiling information, knowledge and people interactions, promotes collective mindset.

In this example, freeDatamap is connected to the payroll system of an organization (of course, only fictitious data are available in the example).

2.2 Yellow pages



LDAP (Lightweight Directory Access Protocol) is a protocol for querying and modifying directory services running over TCP/IP. LDAP technology allows storing and organizing information that is structured based on a tree of directory entries. Due to the hierarchical nature of LDAP it logically fits into freeDatamap's paradigm.

LDAP allows IT administrators to implement company-wide policies on access to resources and services by the users. LDAP technology forms the crux of the ever-active services access system. For example : Active directory is Microsoft's implementation of LDAP directory services for Windows environments.

By reading LDIF files (the export format of any LDAP software), freeDatamap is able to produce a “Yellow Pages” map aimed towards helping people find the right resource inside your organization.



2.3 KaaS



KaaS stands for "Knowledge as a Service".

FreeDatamap spatializes the map of your organization's knowledge.

This example is a knowledge map about software development with three training paths : an "awareness path" which is for beginners, an "expert path" dedicated for advanced experts and an "architect path" with trainings coming from beginners and expert paths.

Trainings are made of videos or quiz that are not available on freeDatamap's server, so you cannot see them, you need to imagine... but you still can validate your training session and go to next step. With real training content and a validation conditioned by the training's result, you can imagine the value of seeing in one map your percentage of progress inside your chosen path. Moreover, looking at the pie charts per domain, you can optimize your progression choosing short trainings first, or you can directly access the knowledge you want by setting keywords in the search field of the map.

Each training can have attributes like : duration, domain, level, quality, hardness. From those attributes it is very easy, in freeDatamap, to compute aggregations and display those knowledge indicators from top level paths, down to each training chapter.

In the map, this example comes from, there is a link between the knowledge map and the HR org-chart so that you can see from the org-chart the knowledge's completion percentage of each person of your organization.

FreeDatamap's knowledge map can be the corner stone of your knowledge management strategy. With its visual map, you can promote and monitor the whole knowledge of your teams.

In one tool you can : Structure the knowledge of your organization by building the conceptual map of your trainings. Deliver the knowledge by directly accessing web sessions from within the map. Identify people's knowledge progression. Engage your team with a kind of gamification of knowledge thanks to ranking mechanisms and teams' competition. Assess people's interest in different knowledge domains and identify the lacks of your organization.

Visualization of thinking is changing cognition.

FreeDatamap's knowledge map provides a way to get people think on what they know and **engage them on what they can learn**. The map of all the available trainings and courses of the organization provides an aesthetic appeal way to display the landmarks of available knowledges.

Looking at the map of trainings, and, in the same way, our own accomplished path, **opens new possibilities for collective attention and transcends the limitations of individual representations of knowledge in the organization.**

2.4 GIS



With freeDatamap, your geospatial representation is driven by business intelligence.

When your data is already shaped to fit a geospatial representation, freeDatamap provides you with a unique way to browse your map following different business intelligence perspectives.

The map that is shown in this example is displaying the parks of the city of Philadelphia.

3 Technology



FreeDatamap is leveraging the best of HTML 5 and javascript capabilities.

Why HTML/CSS/JavaScript ? Because it is compliant with open standards with a large community of developers, because of better performances in browsers and many new UI elements, finally because it runs indifferently on desktop and tablets.