



# **Spreadsheet 2.0 Visualizer**

Screenshots

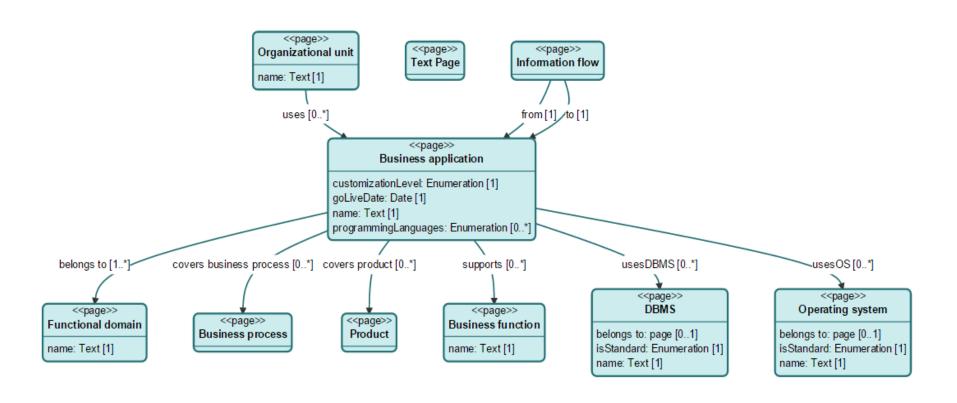
Thomas Reschenhofer, 05.11.2015

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wwwmatthes.in.tum.de

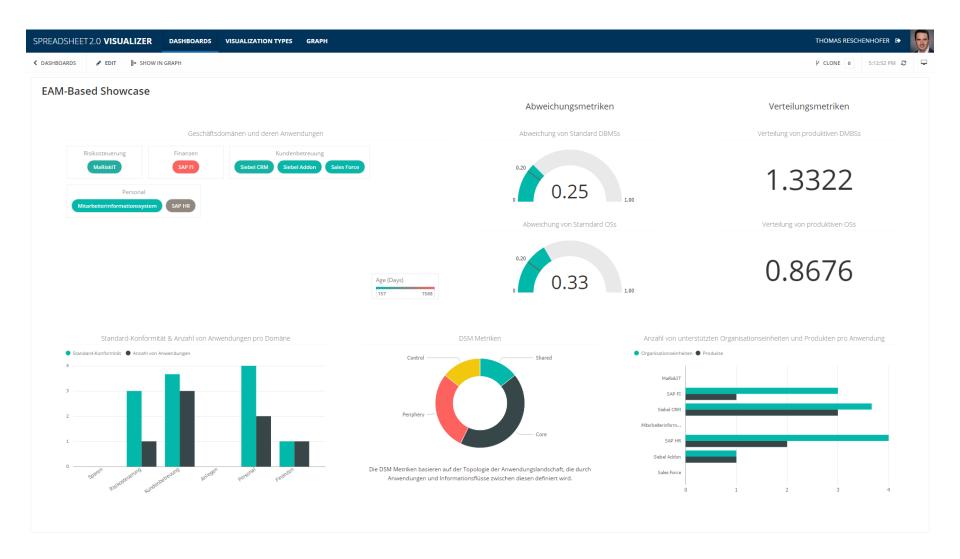
#### Beispielhaftes EA Modell in SocioCortex





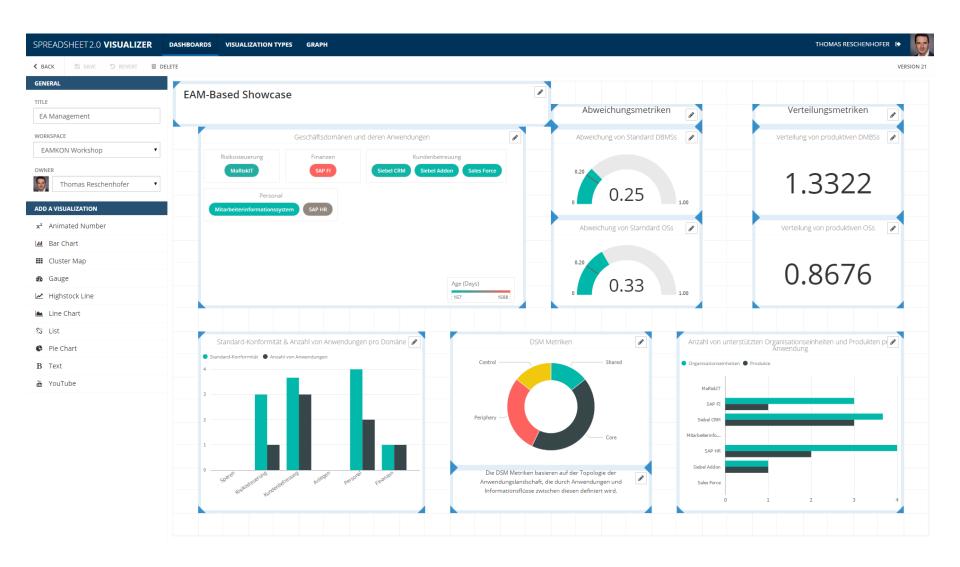
## Dashboard mit EAM Metriken & Visualisierungen





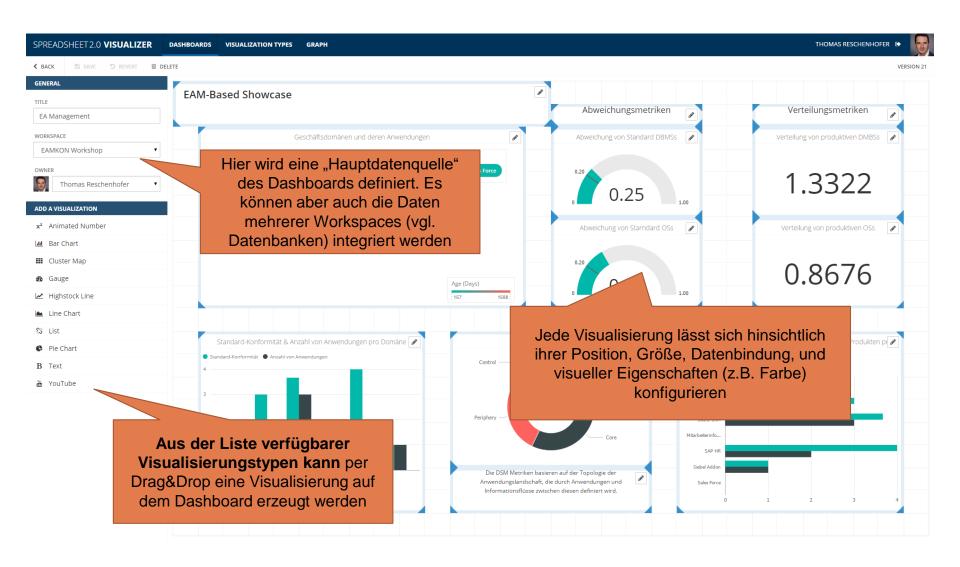
## Konfigurierbarkeit des Dashboards





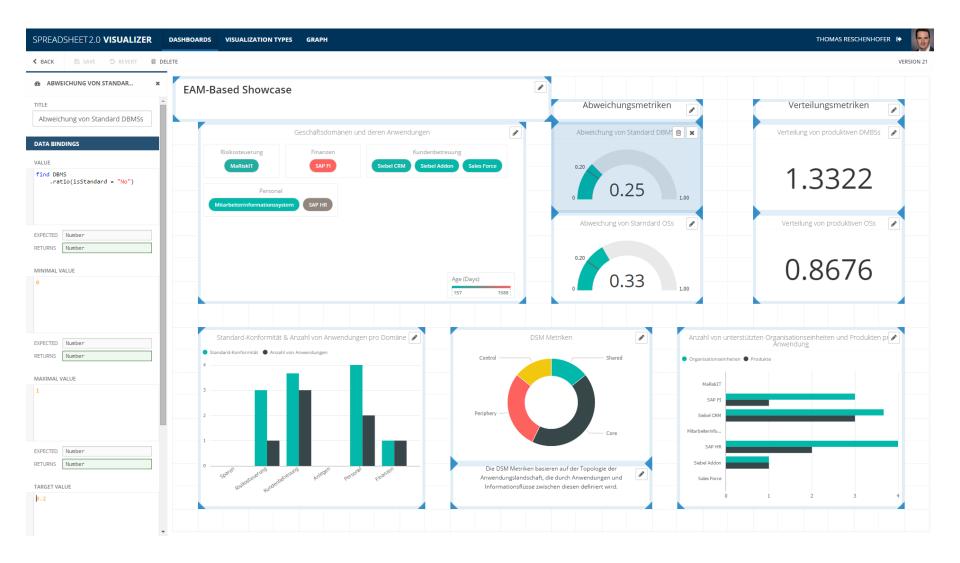
#### Konfigurierbarkeit des Dashboards





## Konfigurierbarkeit der Visualisierungen





## Konfigurierbarkeit der Visualisierungen





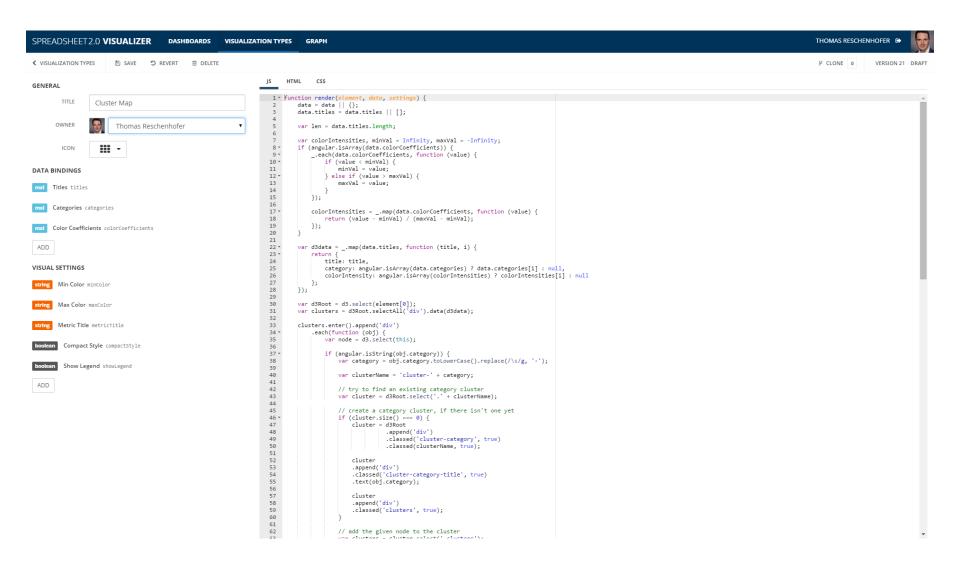
## Erweiterbare Liste von Visualisierungstypen



SPREADSHEET 2.0 VISUALIZER DASHBOARDS	VISUALIZATION TYPES GRAPH			THOMAS RESCHENHOFER 😥
← NEW VISUALIZATION TYPE				
TITLE	LAST CHANGED A	CREATED	OWNER	LINKS
S List	2 months ago	2015-09-07, 12:01:39	Patrick Bürgin	<b>%</b> 0
YouTube	2 months ago	2015-06-18, 02:09:26	Patrick Bürgin	<b>%</b> 0
B Text	2 months ago	2015-07-11, 22:21:51	Patrick Bürgin	<b>%</b> 0
x² Animated Number	2 months ago	2015-07-13, 20:38:55	Patrick Bürgin	<b>%</b> 0
<b>Ⅲ</b> Cluster Map	2 months ago	2015-07-15, 22:48:31	Patrick Bürgin	<b>%</b> 0
	3 months ago	2015-08-20, 00:41:11	Patrick Bürgin	<b>%</b> 0
Line Chart	3 months ago	2015-07-11, 21:55:32	Patrick Bürgin	% 0
<u>ահ</u> Bar Chart	4 months ago	2015-07-11, 17:31:36	Patrick Bürgin	<b>%</b> 0
🔥 Pie Chart	4 months ago	2015-07-11, 20:48:47	Patrick Bürgin	<b>%</b> 0
<b>6</b> Gauge	4 months ago	2015-07-11, 19:55:16	Patrick Bürgin	<b>%</b> 0

## Implementierung von Visualisierungstypen

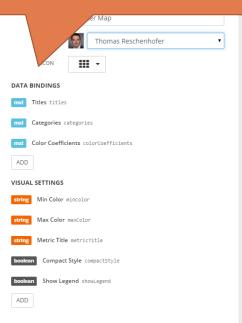




## Implementierung von Visualisierungstypen



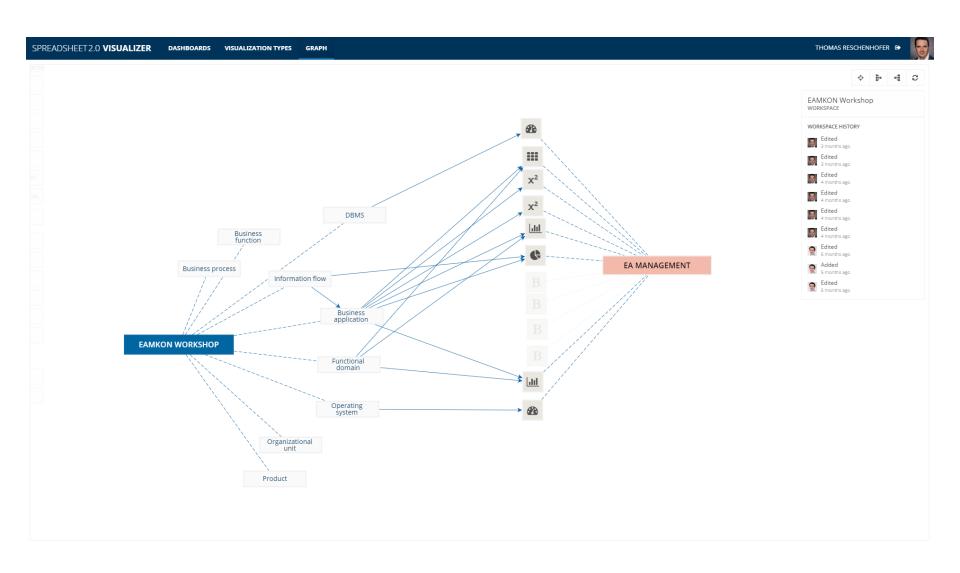
Über Data Binding Parameter konfiguriert der Entwickler die Datenschnittstelle der Visualisierung...



```
GRAPH
                                                                                                                                                      THOMAS RESCHENHOFER
                                                                                                                                                       P CLONE 0
                                                                                                                                                                       VERSION 21 DRAFT
    HTML
            CSS
    function render(element, data, settings) {
       data = data || {};
       data.titles = data.title
       var len = data.titles.leng
       var colorIntensities, minVa
                                                 /al = -Infinity;
       if (angular.isArray(data.col
           _.each(data.
               if (valu
               } else
13
                         ...über die er im JavaScript-Teil der
14
15
           });
                            Visualisierung die Daten von der
17 🕶
           colorIntensi
18
                              Plattform übergeben bekommt.
           });
19
20
21
22 *
       var d3data =
23 +
           return
24
25
               category: angular.isArray(data.categories) ? data.categories[i] : null
26
               colorIntensity: angular.isArray(colorIntensities) ? colorIntensities[i] : null
27
28
       });
29
       var d3Root = d3.select(element[0]);
31
       var clusters = d3Root.selectAll('div').data(d3data);
       clusters.enter().append('div')
               var node = d3.select(this);
               if (angular.isString(obj.category)) {
                   var category = obj.category.toLowerCase().replace(/\s/g, '-');
39
40
                   var clusterName = 'cluster-' + category;
41
42
                   // try to find an existing category cluster
43
                   var cluster = d3Root.select('.' + clusterName);
44
45
                  \ensuremath{//} create a category cluster, if there isn't one yet
                   if (cluster.size() === 0) {
47
                      cluster = d3Root
48
                                .append('div')
                                .classed('cluster-category', true)
49
50
                                .classed(clusterName, true);
51
52
                      cluster
53
                      .append('div')
                       .classed('cluster-category-title', true)
55
                      .text(obj.category);
                      .append('div')
                       .classed('clusters', true);
60
                   // add the given node to the cluster
```

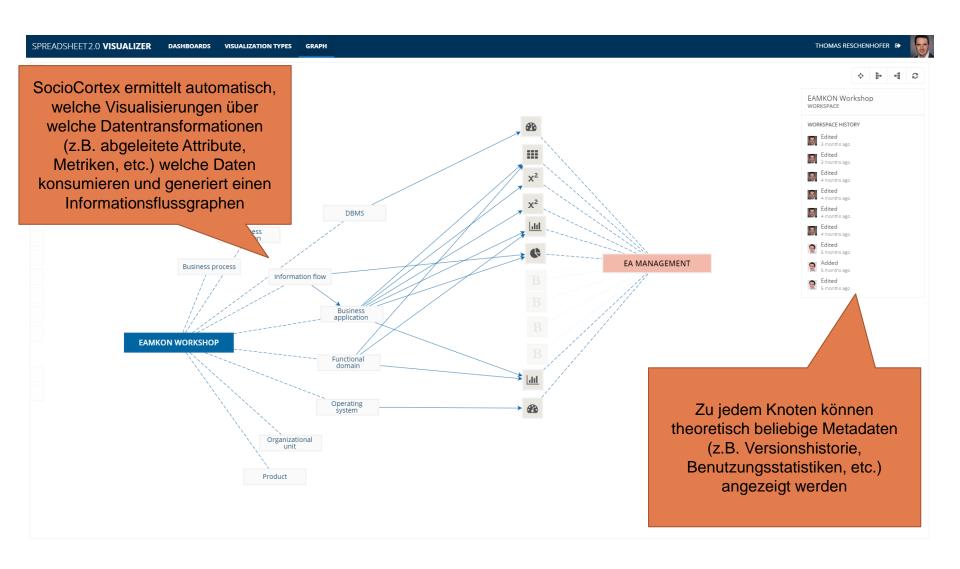
## Informationsfluss-Graph





## Informationsfluss-Graph







## Fragen?

