

# PaVoS

## Processing and Visualization of Sensordata

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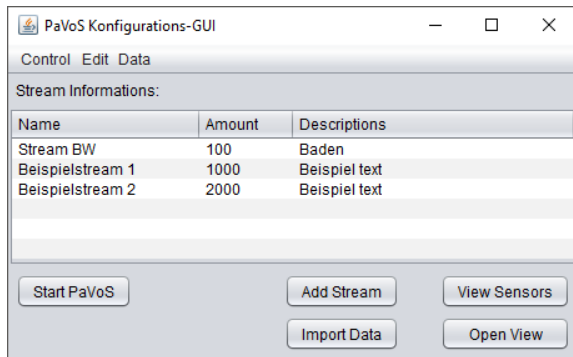
May 29, 2018



PaVoS

# Konfigurations-GUI

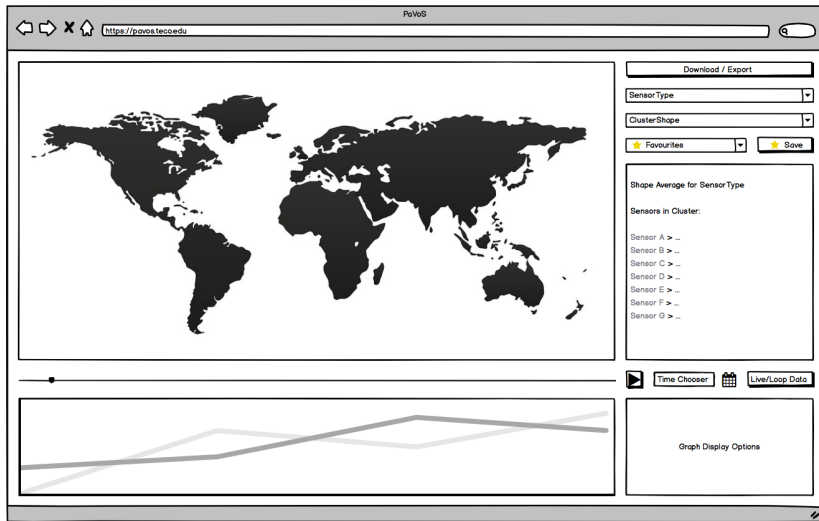
Standardansicht



Demo!

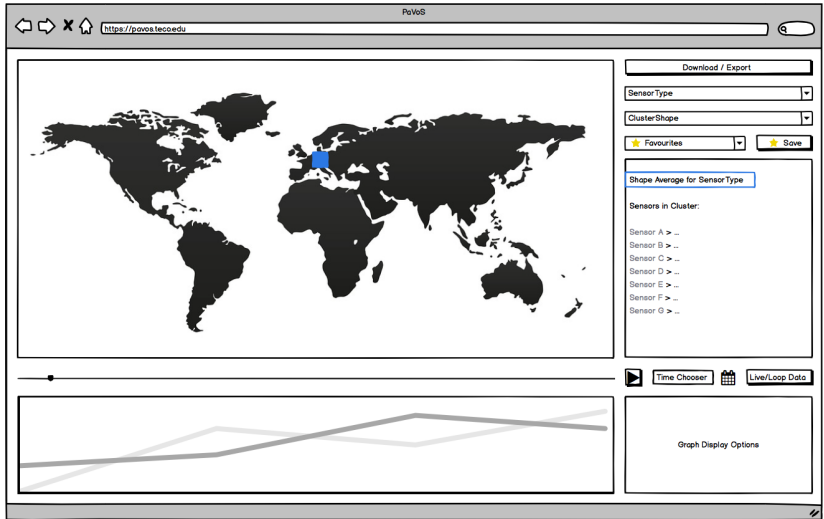
# Webinterface

## Weltansicht



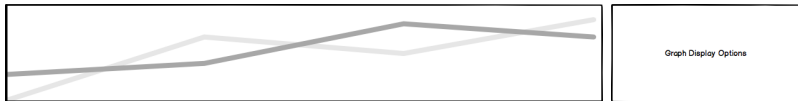
# Webinterface

## Weltansicht mit ausgewähltem Cluster



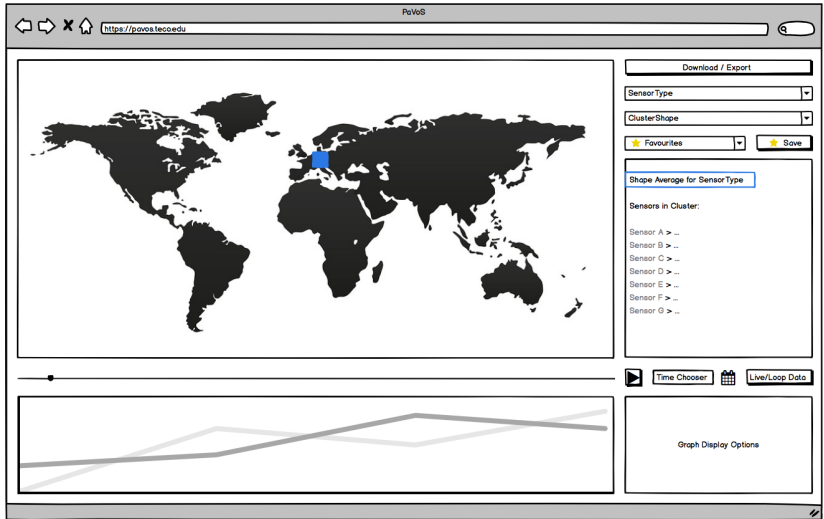
# Webinterface

Graph mit Einstellungen



# Webinterface

## Weltansicht mit ausgewähltem Cluster



# Webinterface

## Erweiterte Einstellungen

Download / Export

SensorType ▼

ClusterShape ▼

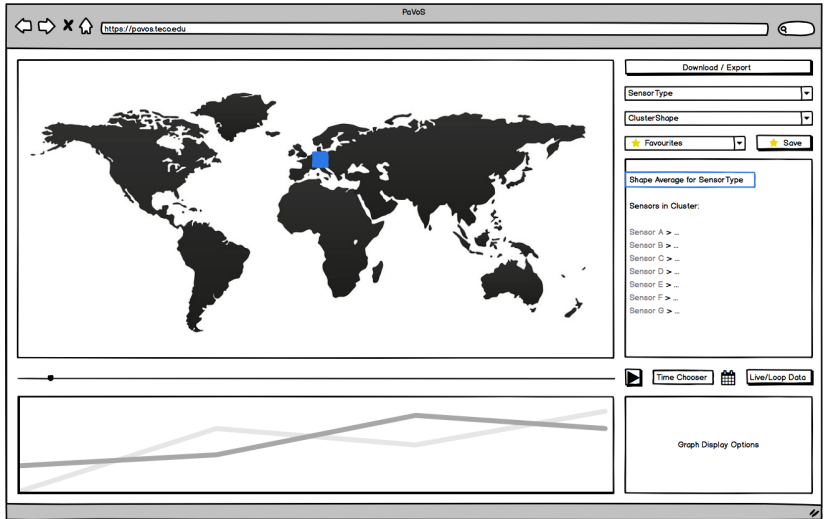
★ Favourites ▼

★ Save



# Webinterface

## Weltansicht mit ausgewähltem Cluster



# Webinterface

Downloadbutton

Download / Export

# Webinterface

## Weltansicht mit Exportformular

The screenshot displays the PaVoS web interface. At the top, a browser window shows the URL <https://pavos.tecnoedu>. The main area features a world map. A 'Download' dialog box is open, containing the following elements:

- Download** (Title)
- From** and **To** date pickers.
- Location(s) picker** text input.
- SensorType(s) picker** text input.
- Favourites** dropdown and **Save** button.
- FileType** dropdown.
- Download** and **Cancel** buttons.

On the right side, there is a **Download / Export** section with:

- SensorType** dropdown.
- ClusterShape** dropdown.
- Favourites** dropdown and **Save** button.



Below this is a **Shape Average for SensorType** section, followed by a **Sensors in Cluster:** list showing sensors A through G with expandable options (e.g., 'Sensor A > ...').

At the bottom, a **Time Chooser** and **Live/Loop Data** section includes a play button and a calendar icon. Below this is a **Graph Display Options** section. The main graph area at the bottom shows a line chart with multiple data series.

# Webinterface

## Exportformular

### Download

From   To  

Location(s) picker

SensorType(s) picker

★ Favourites ▼

★ Save

FileType ▼

Download

Cancel

# Webinterface

## Weltansicht mit Exportformular

The screenshot displays the PaVoS web interface. At the top, a browser window shows the URL <https://pavos.tecnoedu>. The main area features a world map. A 'Download' dialog box is open, containing the following elements:

- Download** (Title)
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- SensorType(s) picker** text input.
- Favourites** dropdown and **Save** button.
- FileType** dropdown.
- Download** and **Cancel** buttons.

On the right side, there is a **Download / Export** section with:

- SensorType** dropdown.
- ClusterShape** dropdown.
- Favourites** dropdown and **Save** button.

Below this is a section titled **Shape Average for SensorType** with the label **Sensors in Cluster:** and a list of sensors (A through G) with associated data points.

At the bottom, there is a **Time Chooser** and **Live/Loop Data** section. Below these is a **Graph Display Options** section. The main graph area shows a line chart with multiple data series.

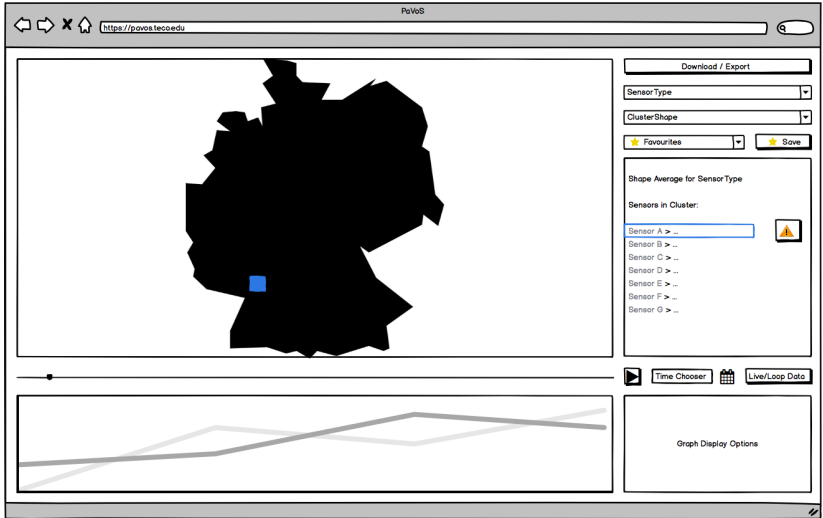
# Webinterface

## Deutschlandansicht



# Webinterface

Deutschlandansicht mit ausgewähltem Cluster und Sensor



# Webinterface

## Sensorliste

Shape Average for SensorType

Sensors in Cluster:

Sensor A > ...

Sensor B > ...

Sensor C > ...

Sensor D > ...

Sensor E > ...

Sensor F > ...

Sensor G > ...

Shape Average for SensorType

Sensors in Cluster:

Sensor A > ...

Sensor B > ...

Sensor C > ...

Sensor D > ...

Sensor E > ...

Sensor F > ...

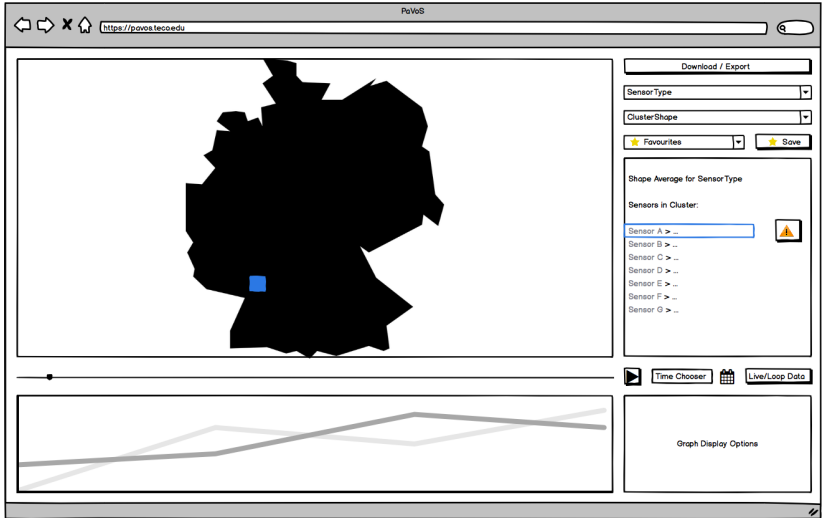
Sensor G > ...





# Webinterface

Deutschlandansicht mit ausgewähltem Cluster und Sensor



# Webinterface

Zeitregler, -wähler und Live/Loop-Button



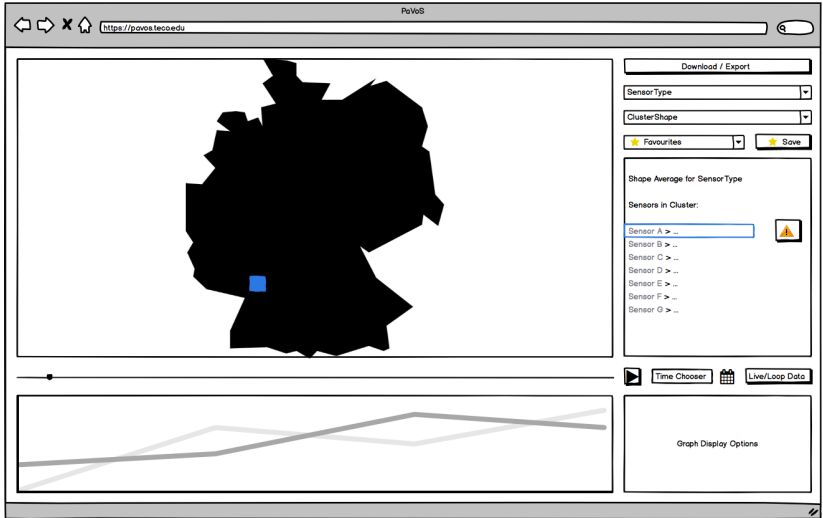
Time Chooser



Live/Loop Data

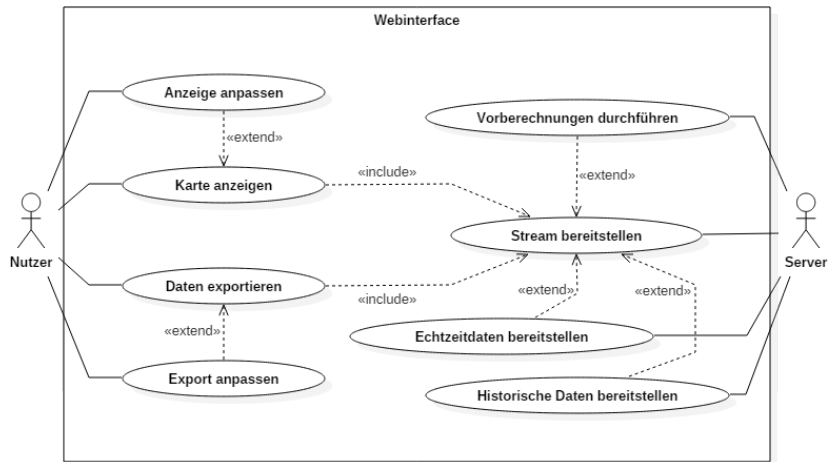
# Webinterface

Deutschlandansicht mit ausgewähltem Cluster und Sensor



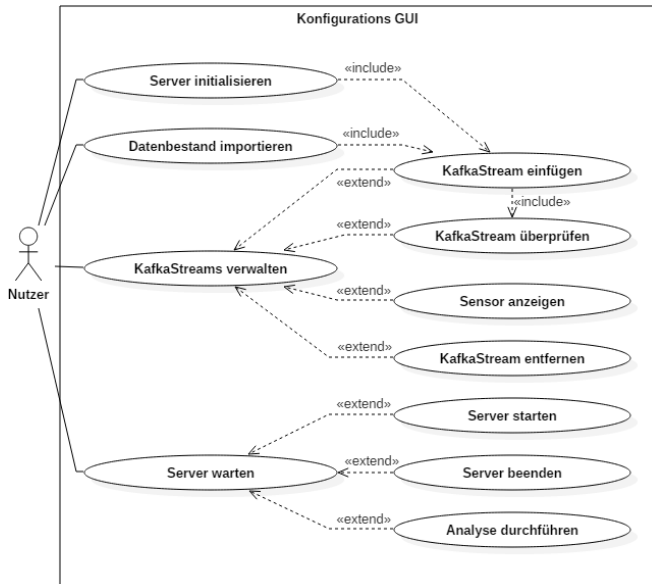
# Anwendungsfalldiagramm 1

## Bedienung des Webinterface

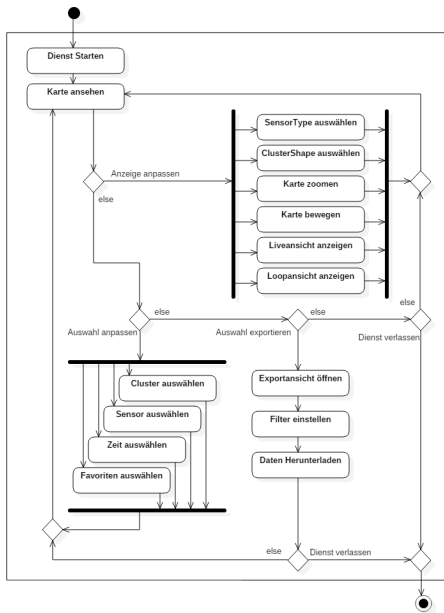


# Anwendungsfalldiagramm 2

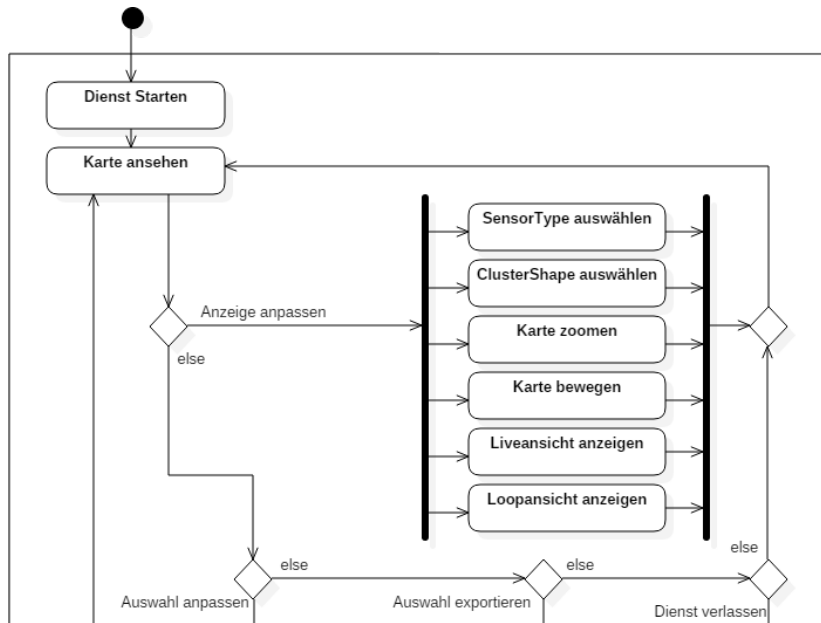
## Bedienung der Konfigurations-GUI



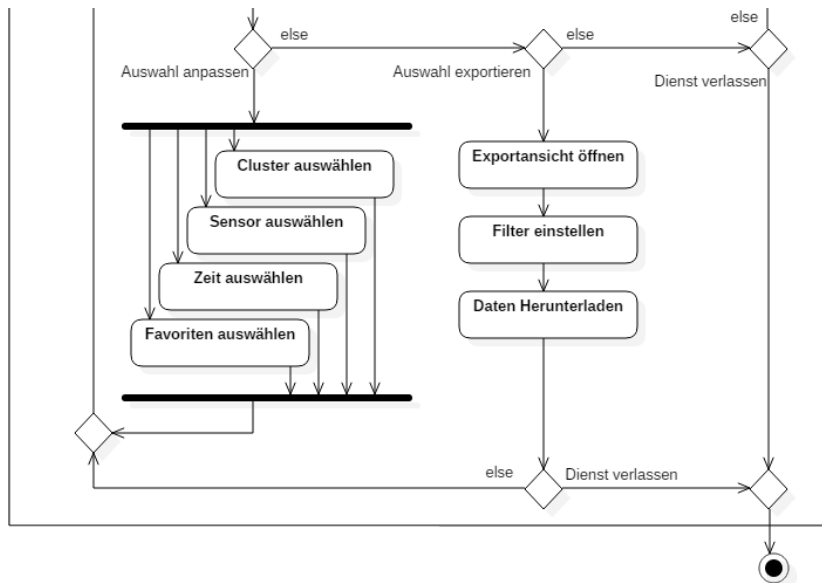
# Aktivitätsdiagramm



## Aktivitätsdiagramm



# Aktivitätsdiagramm





# Abschließende Informationen

Für die finale Version des Pflichtenhefts haben wir (unter anderem):

- ▶ Wunschkriterien gekürzt
- ▶ Testfälle überarbeitet
- ▶ Funktionale Anforderungen in Vor-, Nach- und Fehlerbedingung aufgeteilt