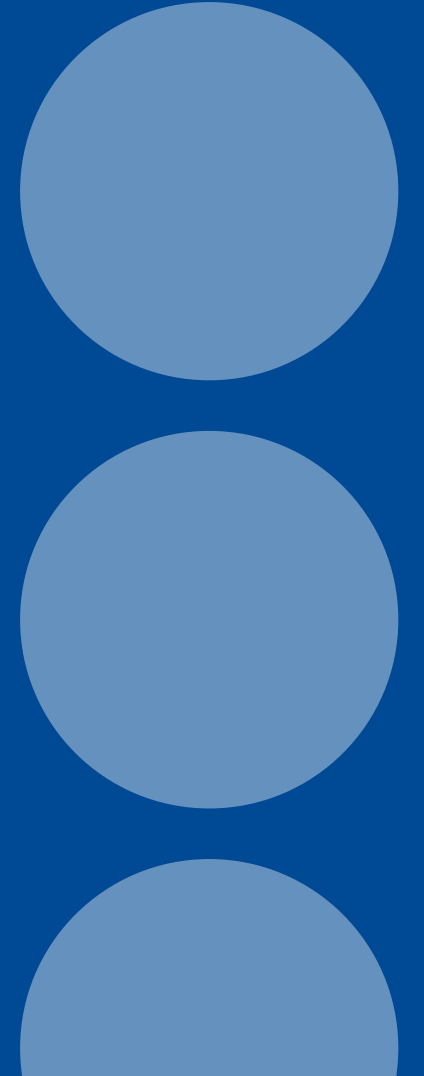


Factory inspection 4.0

Strengthening prevention work through digitalization

Annegret Epple

Berufsgenossenschaft Nahrungsmittel und
Gastgewerbe



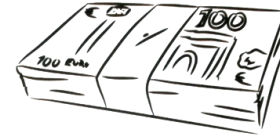
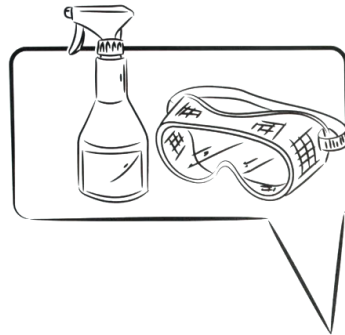
Principles of the German accident insurance system



Unfallkassen und Berufsgenossenschaften
Deutsche Gesetzliche Unfallversicherung

Principles of the German accident insurance system

accident prevention



assume the costs of acute care, awarding of pensions and other forms of compensation



restoration of health and capacity for work (rehabilitation)

Accident insurance consultants

- app. 3.500 accident insurance consultants
- surgeons or orthopaedic specialists with particular expertise in occupational medicine
- appointed by the statutory accident insurance institutions
- **provide accident insurance institutions with information about occupational accidents and diseases**






**German Social Accident Insurance
Institution for the foodstuffs and
catering industry**



230.000
Companies

 Restaurants / Hotels

 Showmen and circuses

 Meat industry

 Bakeries

 Food industry

 Beverage production

60.000
Occupational
Accidents

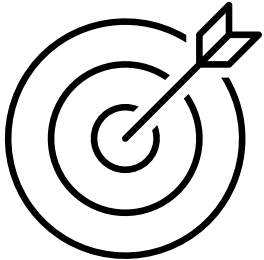
3.000
Occupational
diseases

380.000
Establishments

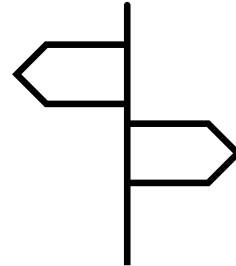
3,5 Mio
Employees (FTE)

app. 130
Labour inspectors

Develop data-based indicators to...



...set focus on
specific prevention issues



...**assist with the selection**
of companies to inspect



...increase **data quality**

**Risiko
Index**

**Severity
level of
accidents**

1

2

3

Which factors indicate a high risk?

	Influencing data	
Company size	Number of employees	Risk-Index: 1-10
Sector	Specifications from DGUV Vorschrift 2	
Accident occurrence	Number and costs of occupational accidents	
Occupational diseases	Number of notifications of suspected cases	
Bonus system	Successfull participation on our „Prämienverfahren“	
Safety at work	Objective rating of 9 indicators from inspectors („ASO-Faktor“)	

Umkreissuche

Umkreissuche

Position

- Adresse
- aus Karte
- GPS

68165 Mannheim-Dynamo 7

Typ

- Auto
- Fußgänger

Umkreis Typ

- Fahrstrecke
- Fahrzeit

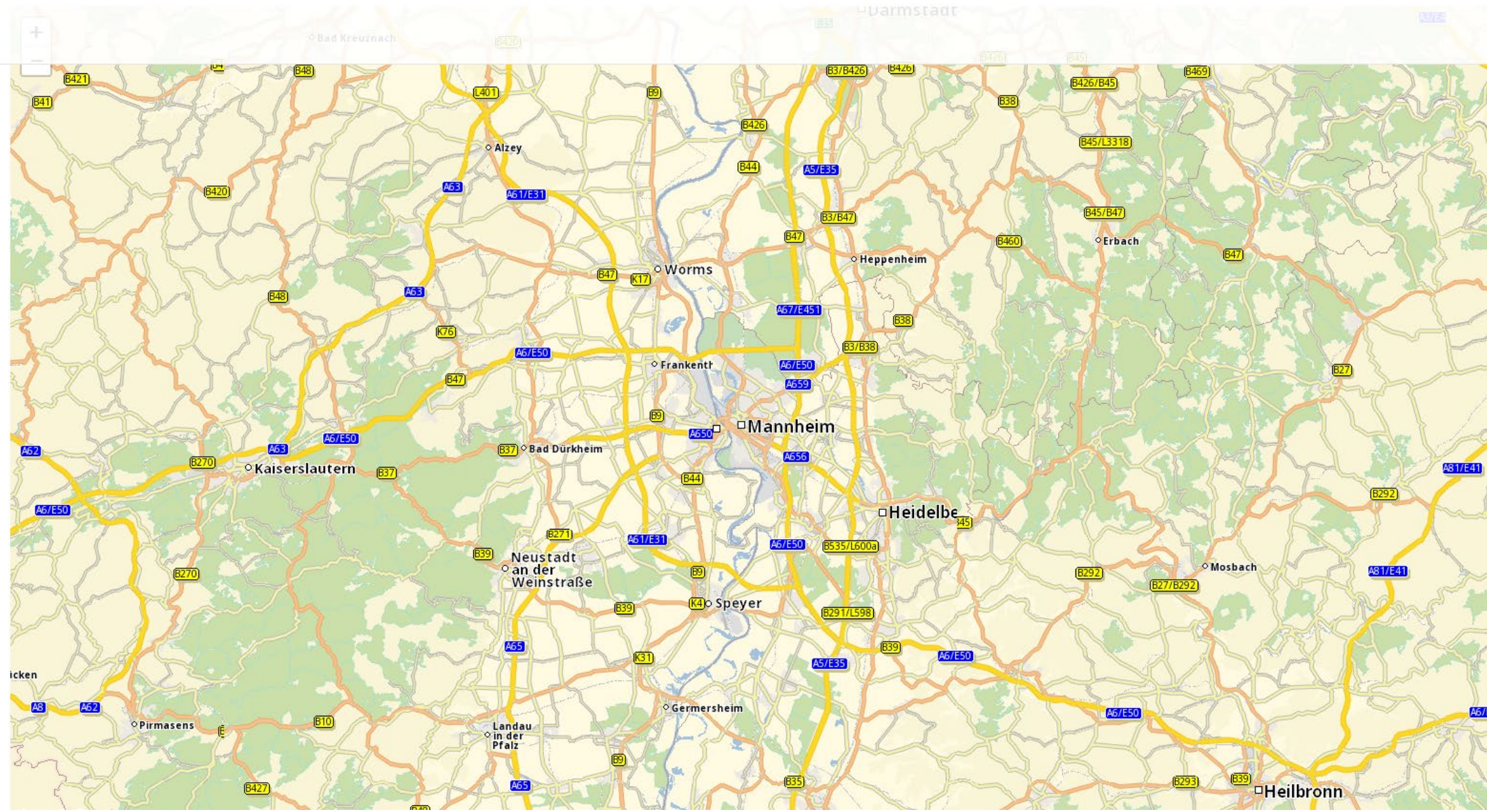
Fahrzeit: 20 Min

Betriebseingaben

VB:

GWZ:

Betriebe:



Umkreissuche

- Betriebe: ?
- Unfall vorhanden
 - BK Anzeige vorhanden
 - Nicht besichtigt
 - Besichtigt

Risiko-Index: ?

- Alle
- Alle
- 0 bis 3
- 3 bis 5
- ab 5

Darstellung

Marker gruppieren

Ja Nein

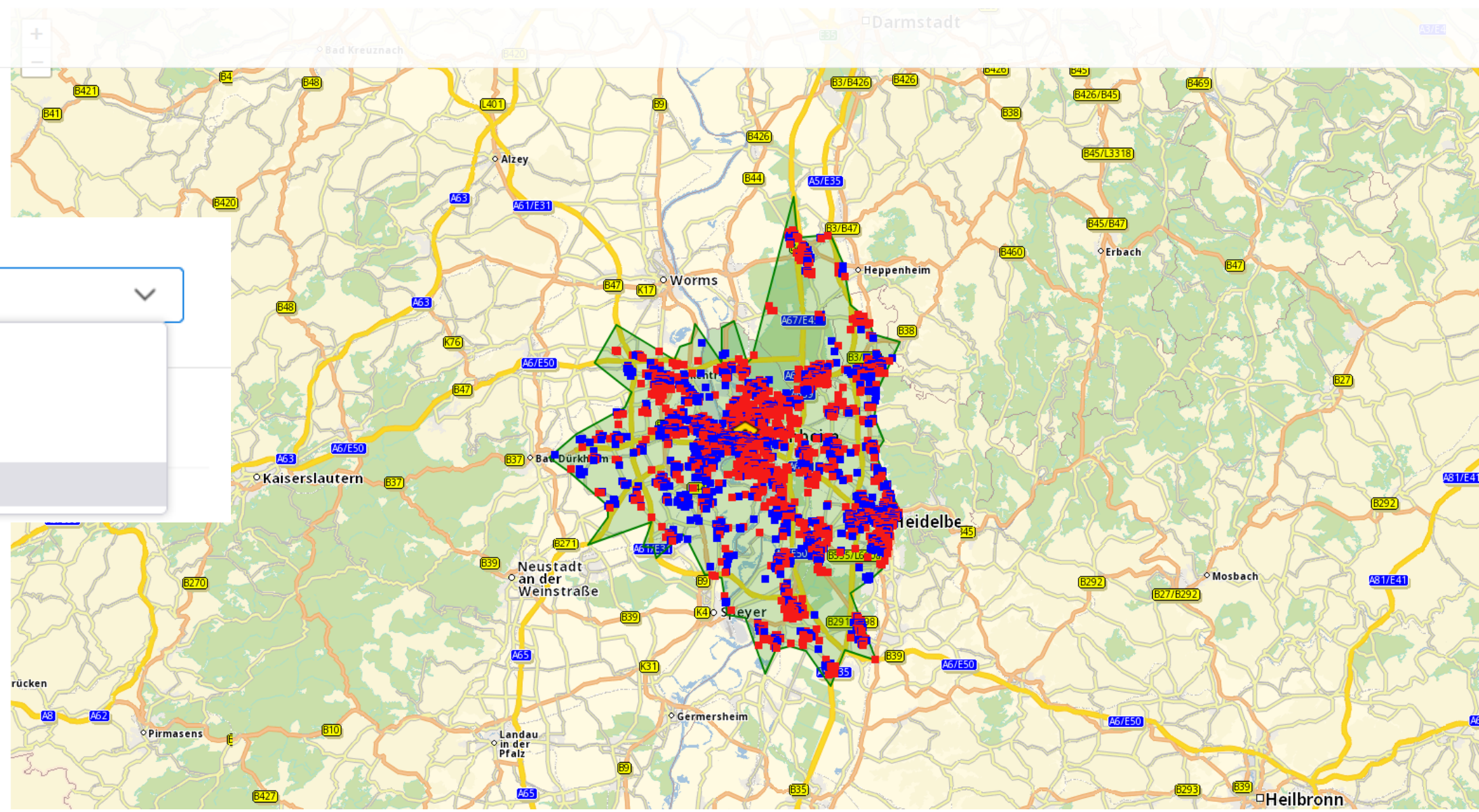
Style: ?

blau=besicht. rot=nicht besi

POI: ?

Keine POIs

Suche



PPMS CeoKarten \

Umkreissuche

- Betriebe: ?
- Unfall vorhanden
 - BK Anzeige vorhanden
 - Nicht besichtigt
 - Besichtigt

Risiko-Index: ?

Alle

Alle

0 bis 3

3 bis 5

ab 5

Darstellung

Marker gruppieren

Ja Nein

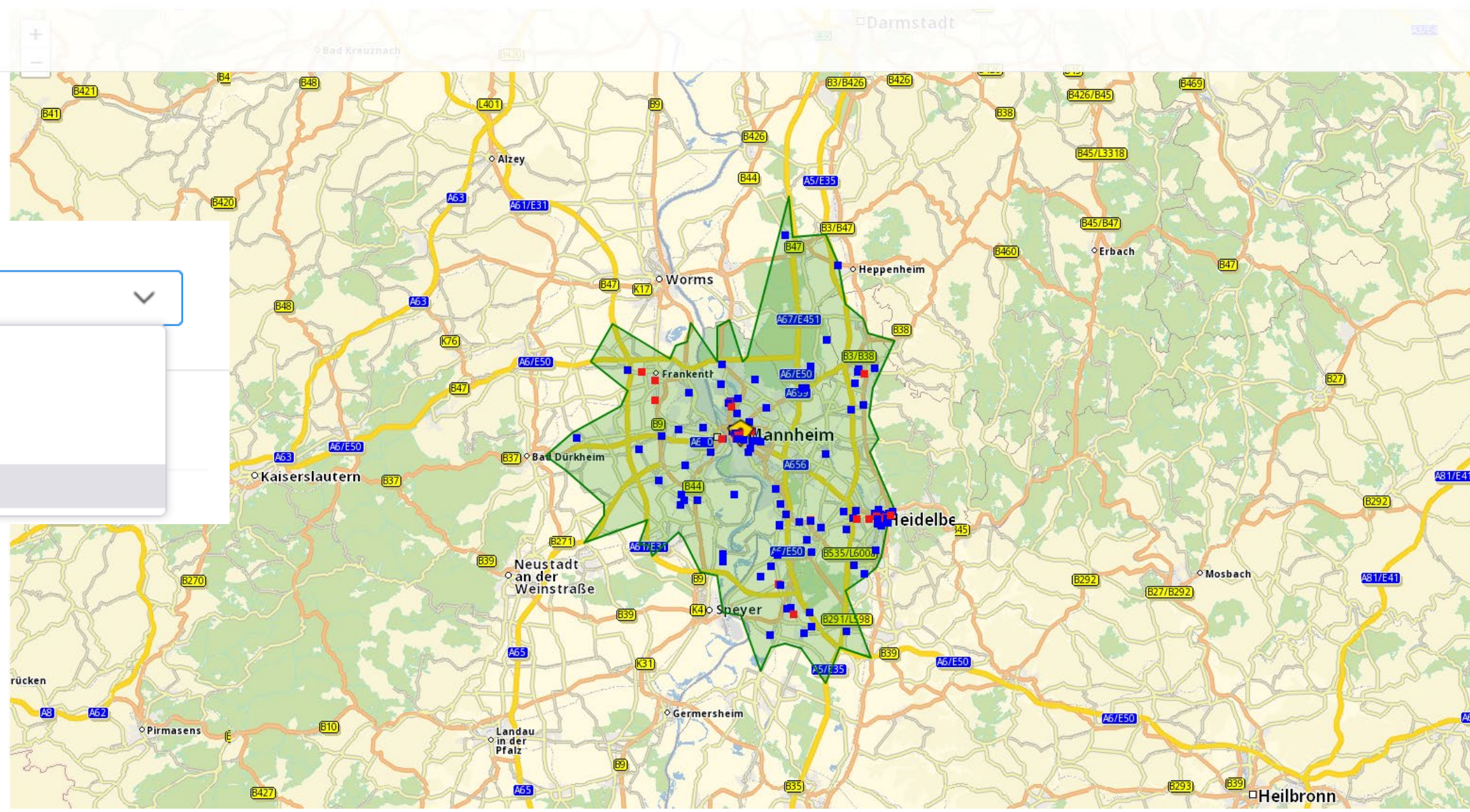
Style: ?

blau=besicht. rot=nicht besi

POI: ?

Keine POIs

Suche



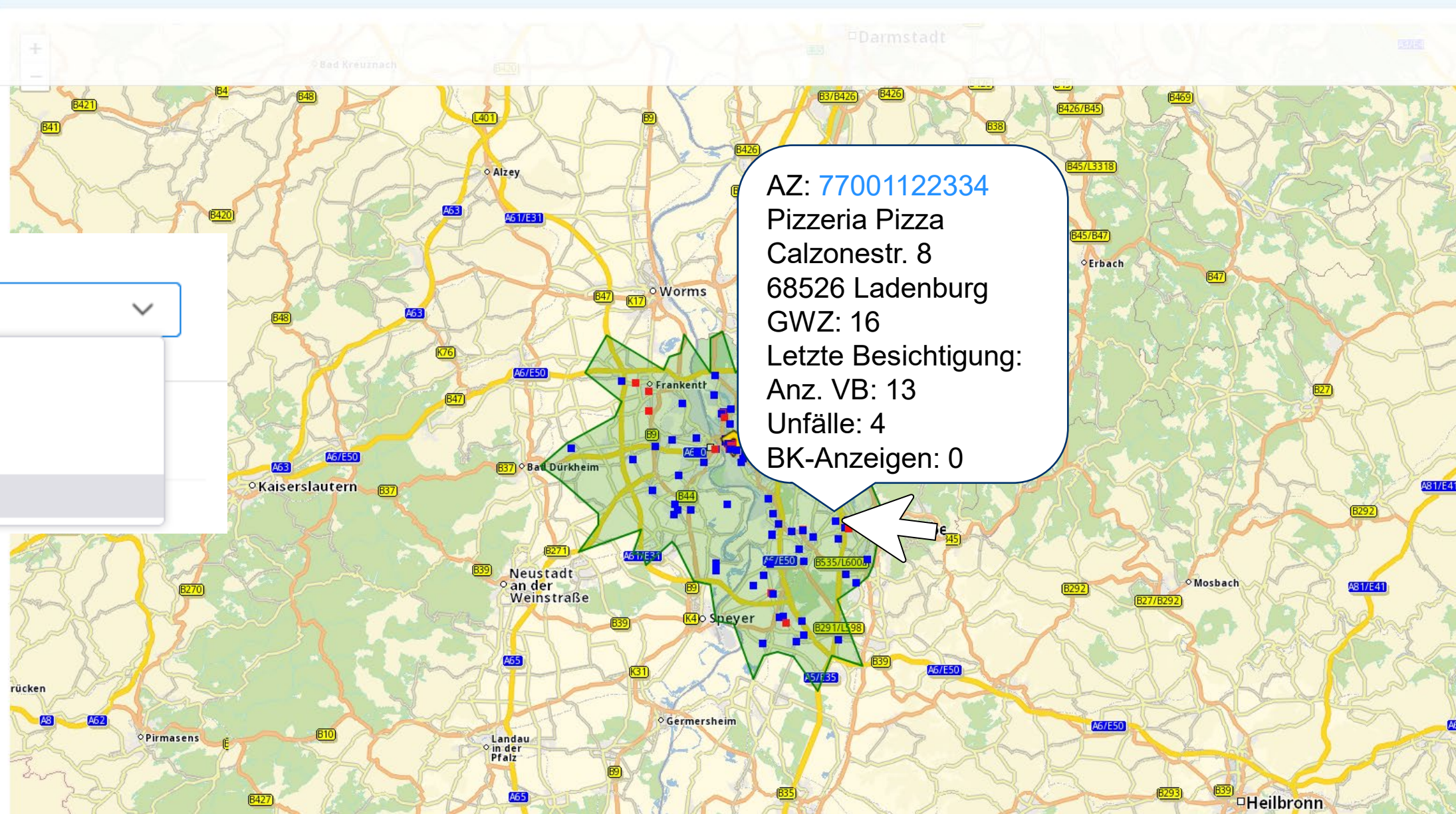
PPMS CeoKarten \ Umkreissuche

- Betriebe: ?
- Unfall vorhanden
 - BK Anzeige vorhanden
 - Nicht besichtigt
 - Besichtigt

Risiko-Index: ?

- Alle
- Alle
 - 0 bis 3
 - 3 bis 5
 - ab 5

- Darstellung
- Marker gruppieren
- Ja Nein
- Style: ?
- blau=besicht. rot=nicht besi
- POI: ?
- Keine POIs
- Suche



AZ: 77001122334
 Pizzeria Pizza
 Calzonestr. 8
 68526 Ladenburg
 GWZ: 16
 Letzte Besichtigung:
 Anz. VB: 13
 Unfälle: 4
 BK-Anzeigen: 0

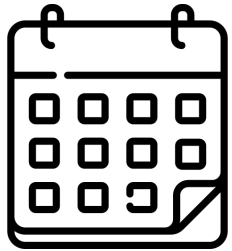


Vision Zero

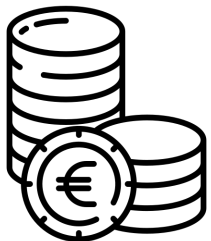
*„Vision Zero is the vision of a world without occupational accidents and work-related diseases. Its highest priority is to prevent **fatal and serious work accidents** and occupational diseases.”*



What data do we have that indicates severity of injuries?



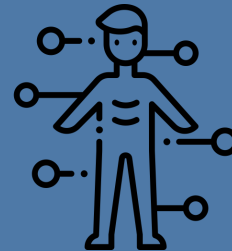
Length of incapacity to work [days]



costs [Tsd Euro]

diagnosis

Injured body part

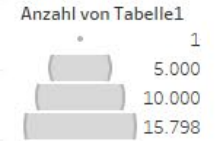
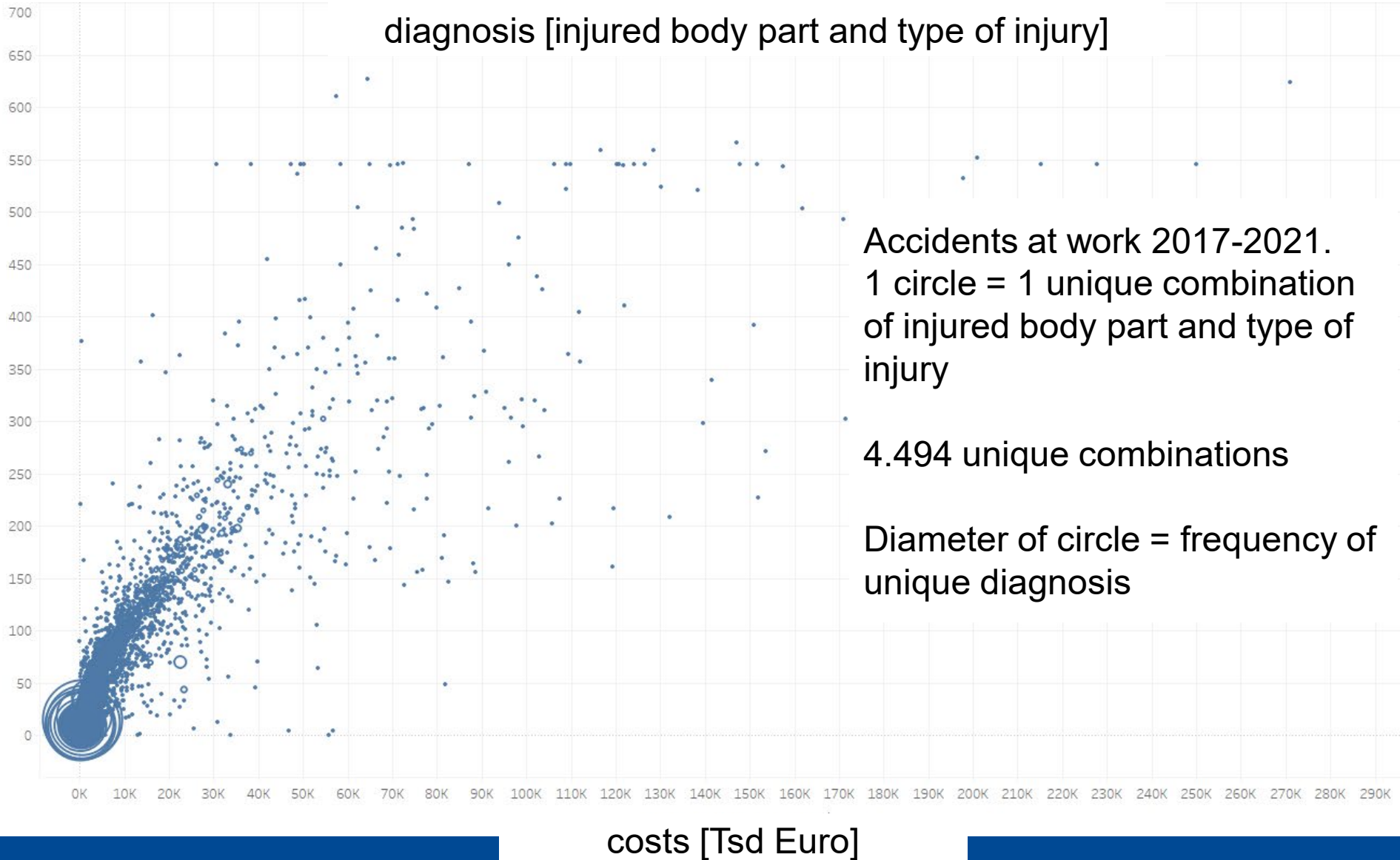


Type of injury





Lenght of incapacity to work [days]

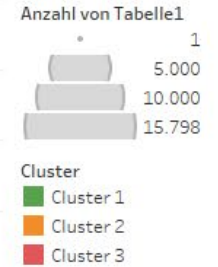
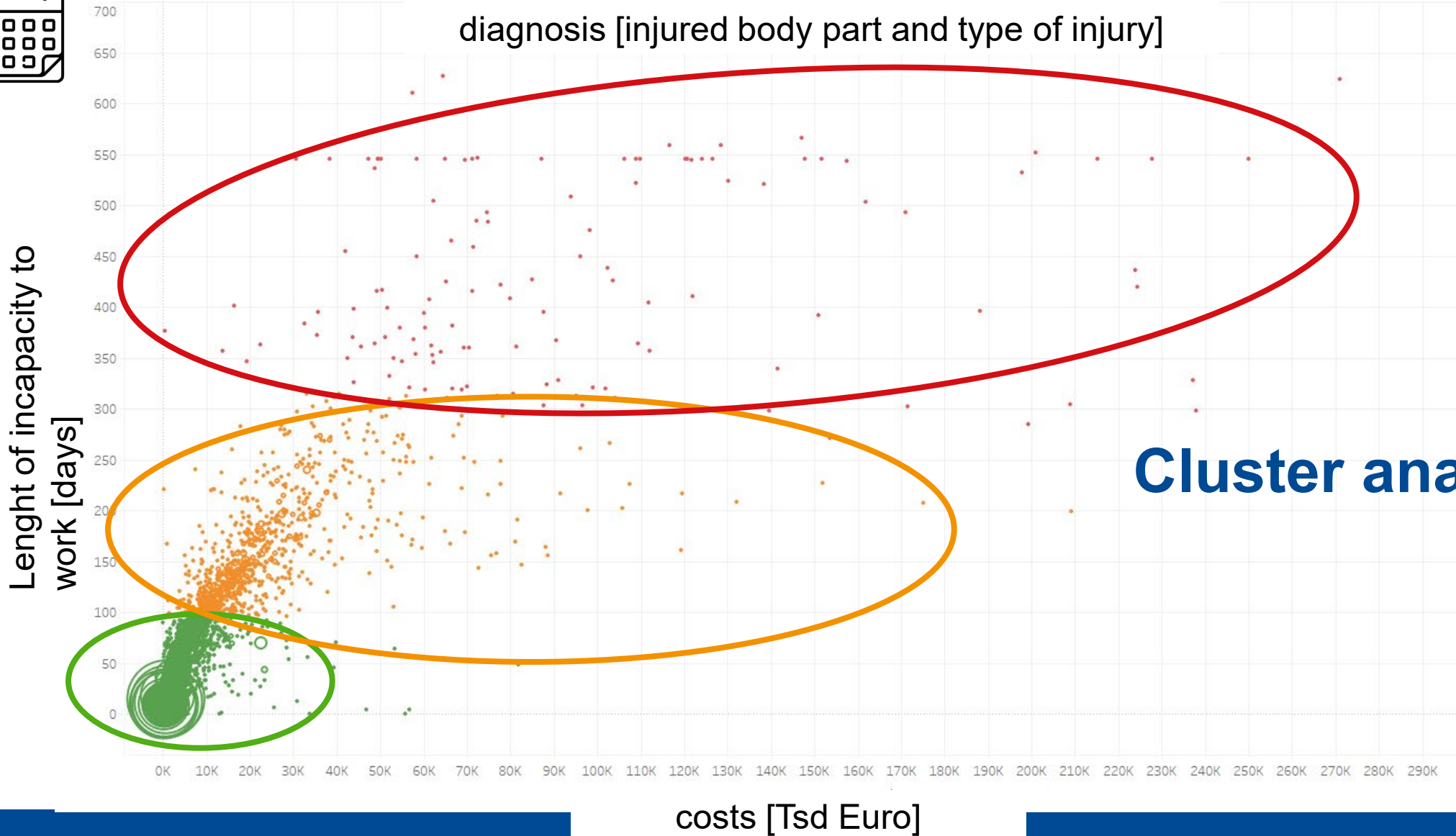


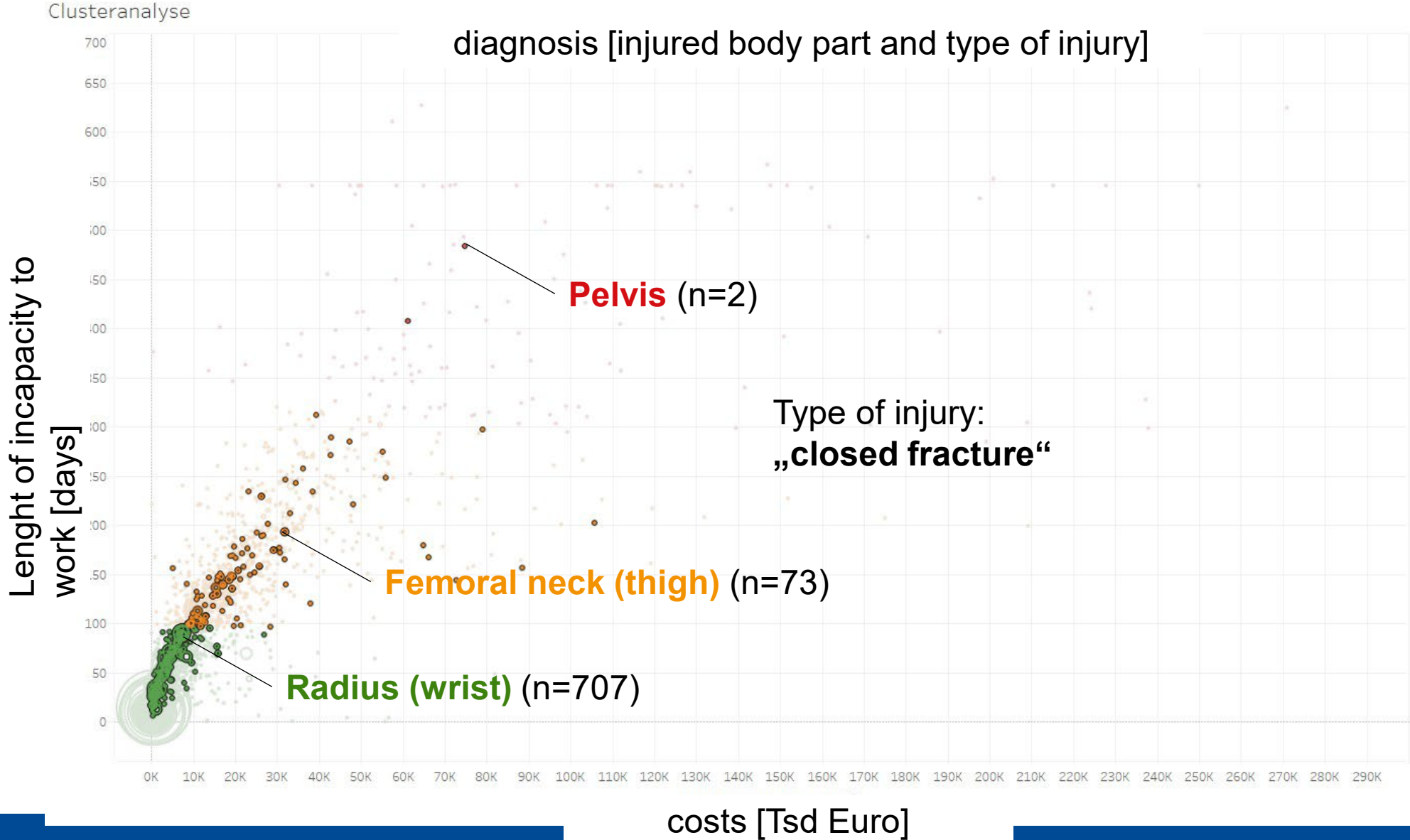
Accidents at work 2017-2021.
1 circle = 1 unique combination
of injured body part and type of
injury

4.494 unique combinations

Diameter of circle = frequency of
unique diagnosis



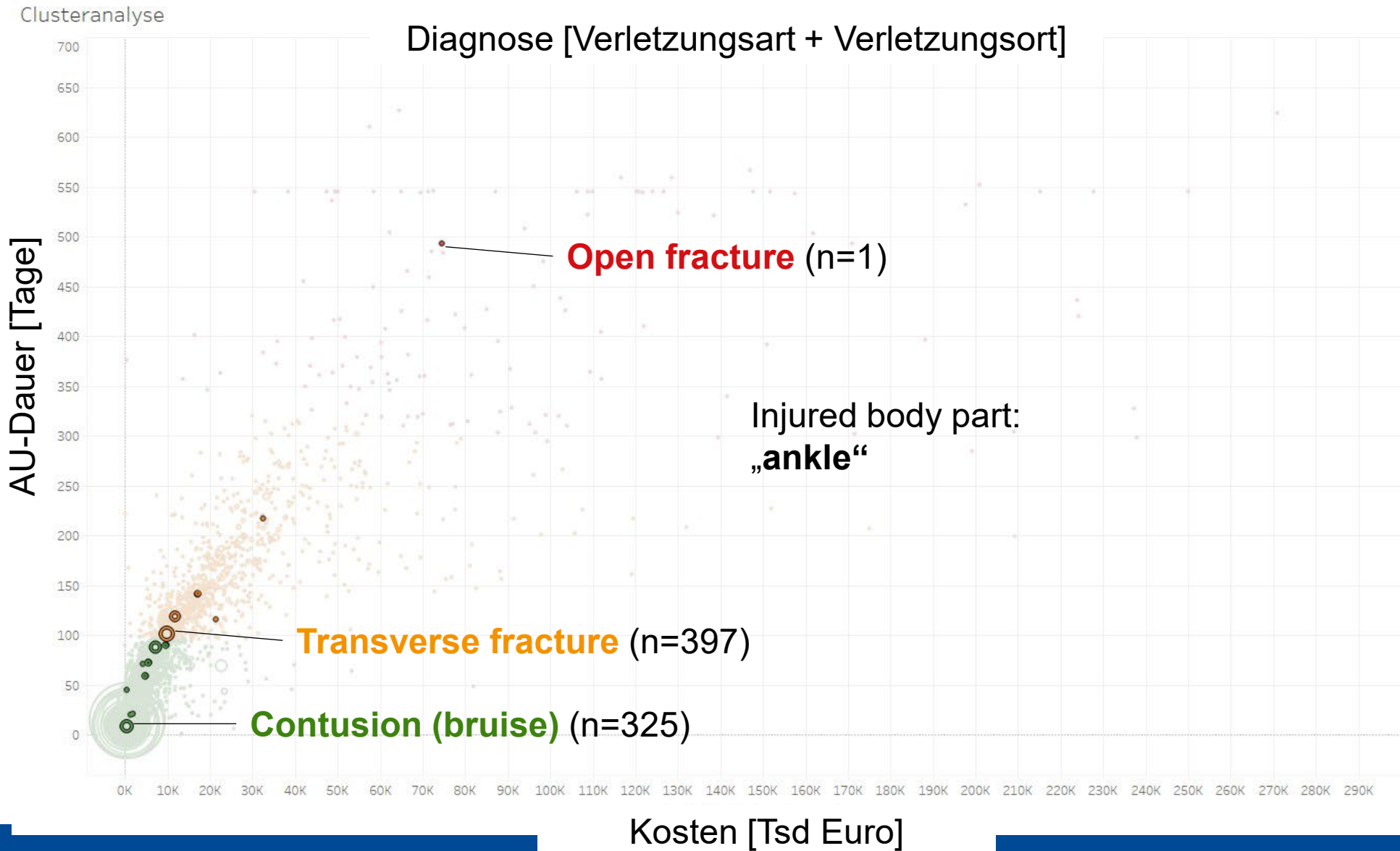




ANZ(Tabelle1)

Cluster

- Cluster 1
- Cluster 2
- Cluster 3



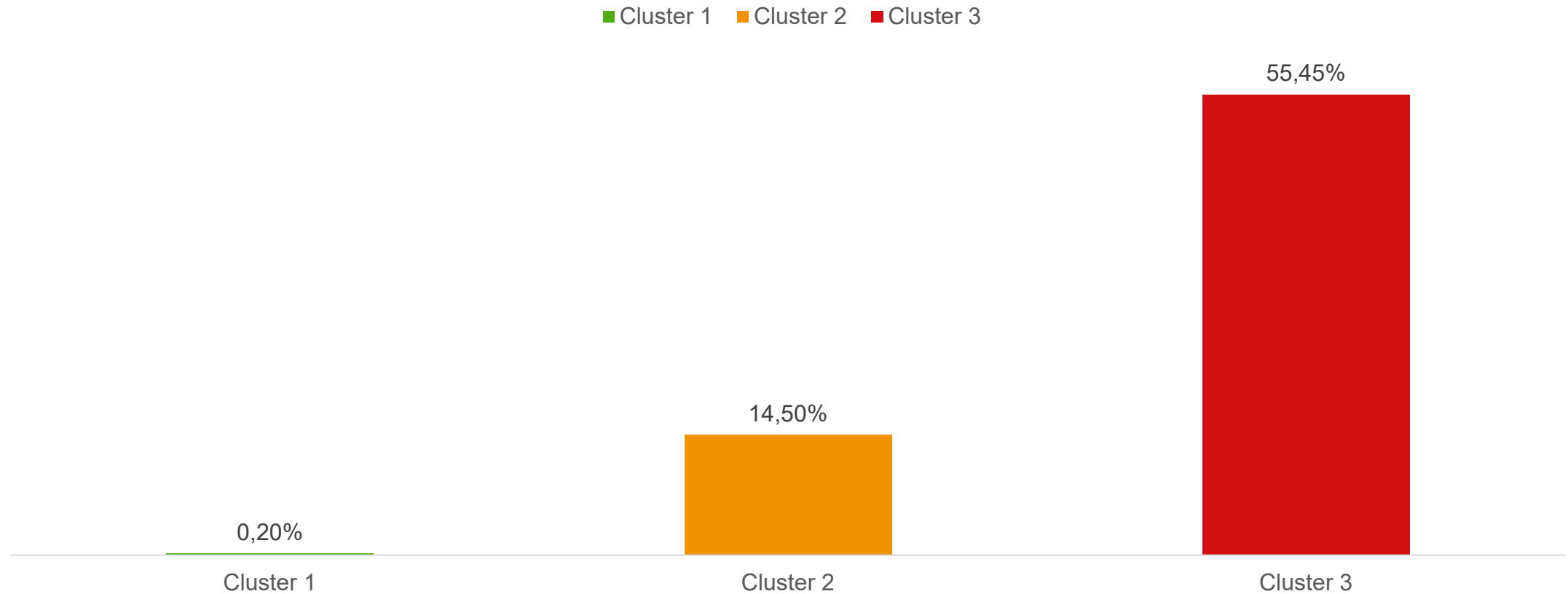
ANZ(Tabelle1)

1
5.000
10.000
15.798

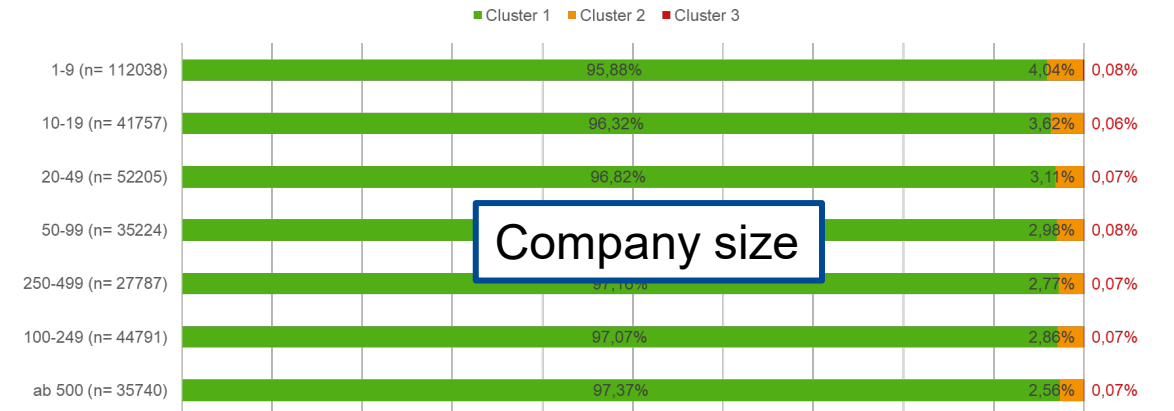
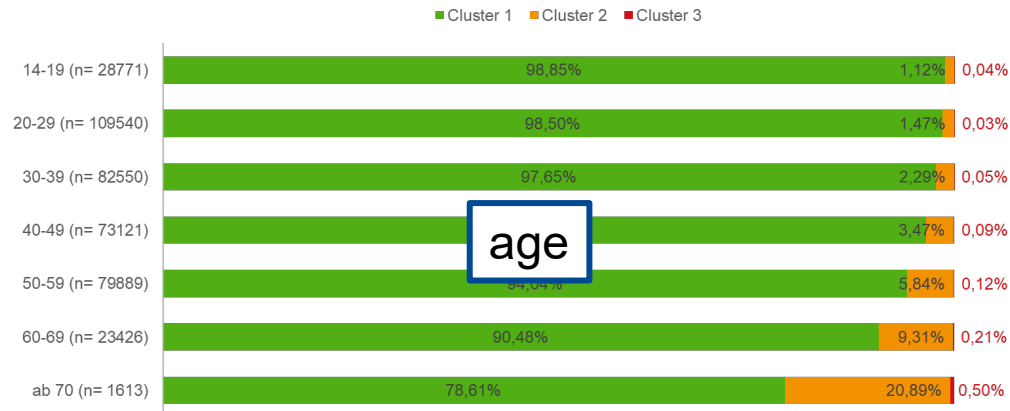
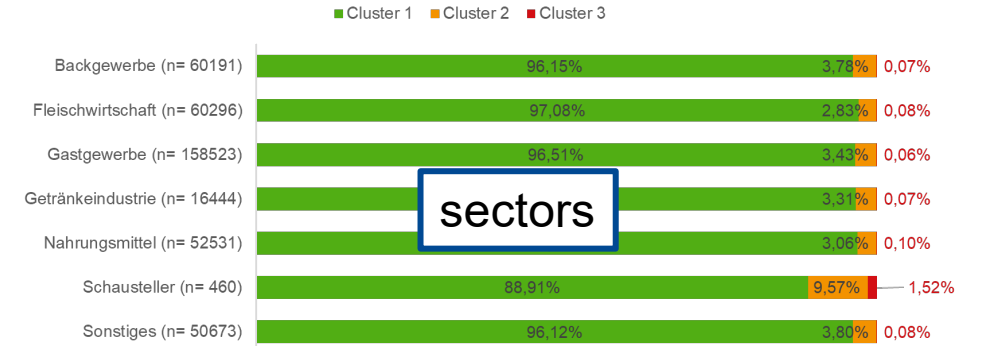
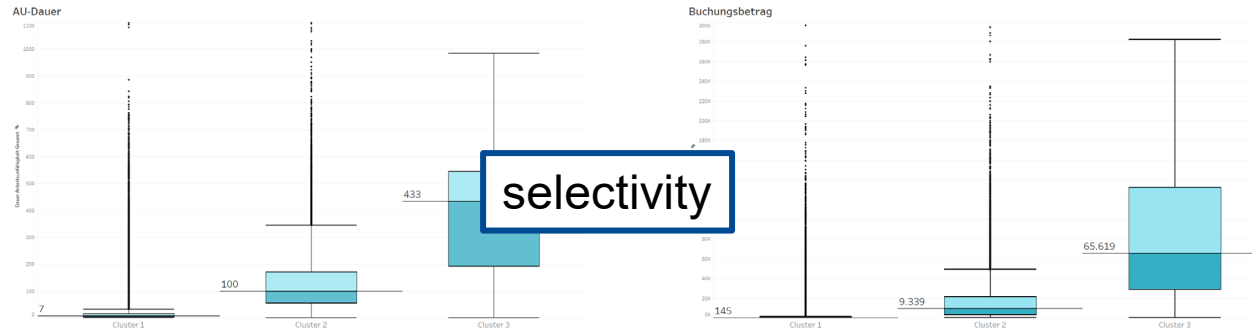
Cluster

- Cluster 1
- Cluster 2
- Cluster 3

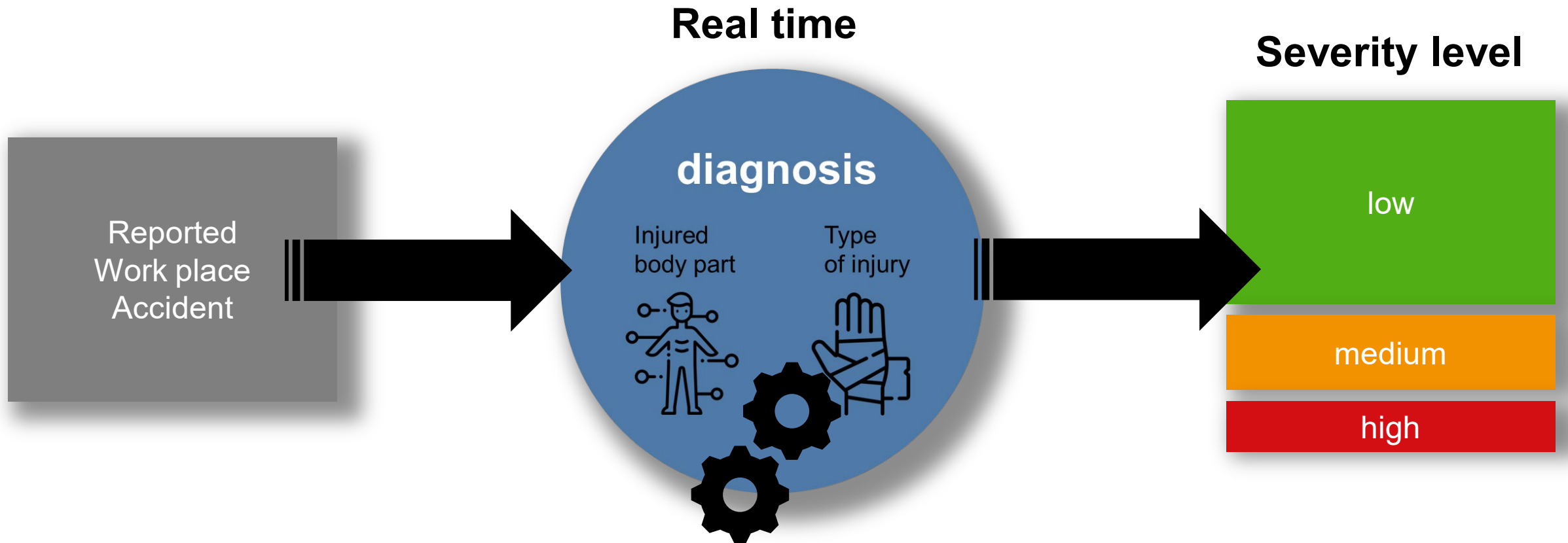
Amount of new pensions within the clusters



Statistical description of accident severity



How does it help?



**Risiko
Index**

**Severity
level of
accidents**

1

2

3

**Risiko
Index**

**Severity
level of
accidents**

1

2

3

**Thank
you**



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