

GeoNetwork @ DTAG



Christoph Dittmann, GN-Meeting 2020 / 23.06.2020

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CAPITAL MARKETS

„We currently invest heavily into optical fibre (FTTH/B) and from 2021 onwards will connect up to 2 millions households per annum...“

Dirk Wössner

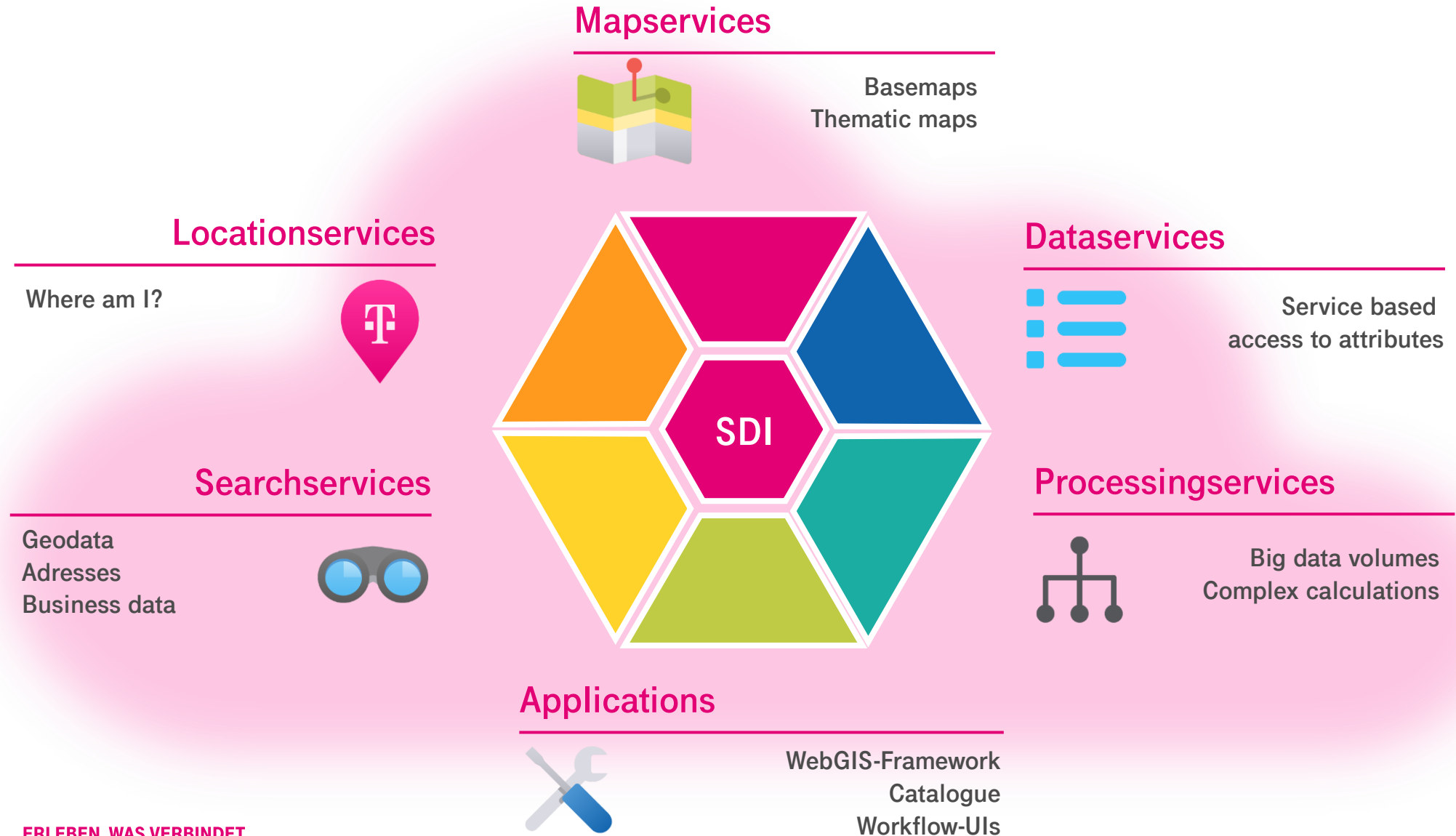
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Our levers to achieve the goal

- Minimize portion of manual tasks
- Integrate Geo & Business Data
- Standardize & automate workflows
- Enable processes for up-scaling

CENTRAL SERVICES OF THE SDI



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TEAM



TELEKOM IT



camptocamp

T · · Systems ·

con·terra



mundialis



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COMPONENTS OF THE SDI



FibreManager



OSM Importer



FME



Shogun



Surface Extractor &
Classifier



Actinia



Mapfish



Geoserver



Geocoder



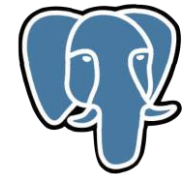
GRASS



Geonetwork



PostgreSQL
PostGIS





MOTIVATION & REQUIREMENTS FOR USABILITY AND ACCESSIBILITY ASSESSMENT

Legal requirements

- The Web Accessibility Directive (Directive (EU) 2016/2102)
- German Disability Equality Act, 2018 (Behindertengleichstellungsgesetz - BGG)

Own motivation

- At Deutsche Telekom we believe that inclusion is a source of diversity, ingenuity, creativeness, and innovation



Deutsche Telekom and Daimler share 2019 the Inclusion Award in the "Corporate group" category.



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ASSESSMENT OF USABILITY AND ACCESSIBILITY



Usability assessment goal and setup :

The **goal** of this assessment is the identification of potential usability problems which don't meet the standards stated by

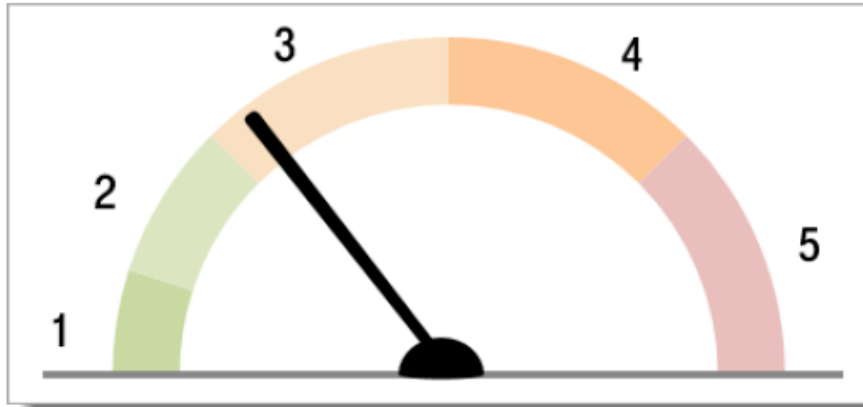
- DIN EN ISO 9241-13:2000 – User guidance
- DIN EN ISO 9241-14:2000 – Menu dialogs & navigation
- DIN EN ISO 9241-112:2017 – Principles for the presentation of information
- DIN EN ISO 9241-125:2016 – Guidance on visual presentation of information
- DIN EN ISO 9241-143:2012 – Forms

Accessibility assessment goal and setup :

The **goal** of this assessment is the identification of potential accessibility problems which don't meet the standards stated by

- Barrierefreie-Informationstechnik-Verordnung (BITV 2.0)
- Web Content Accessibility Guidelines (WCAG 2.0)

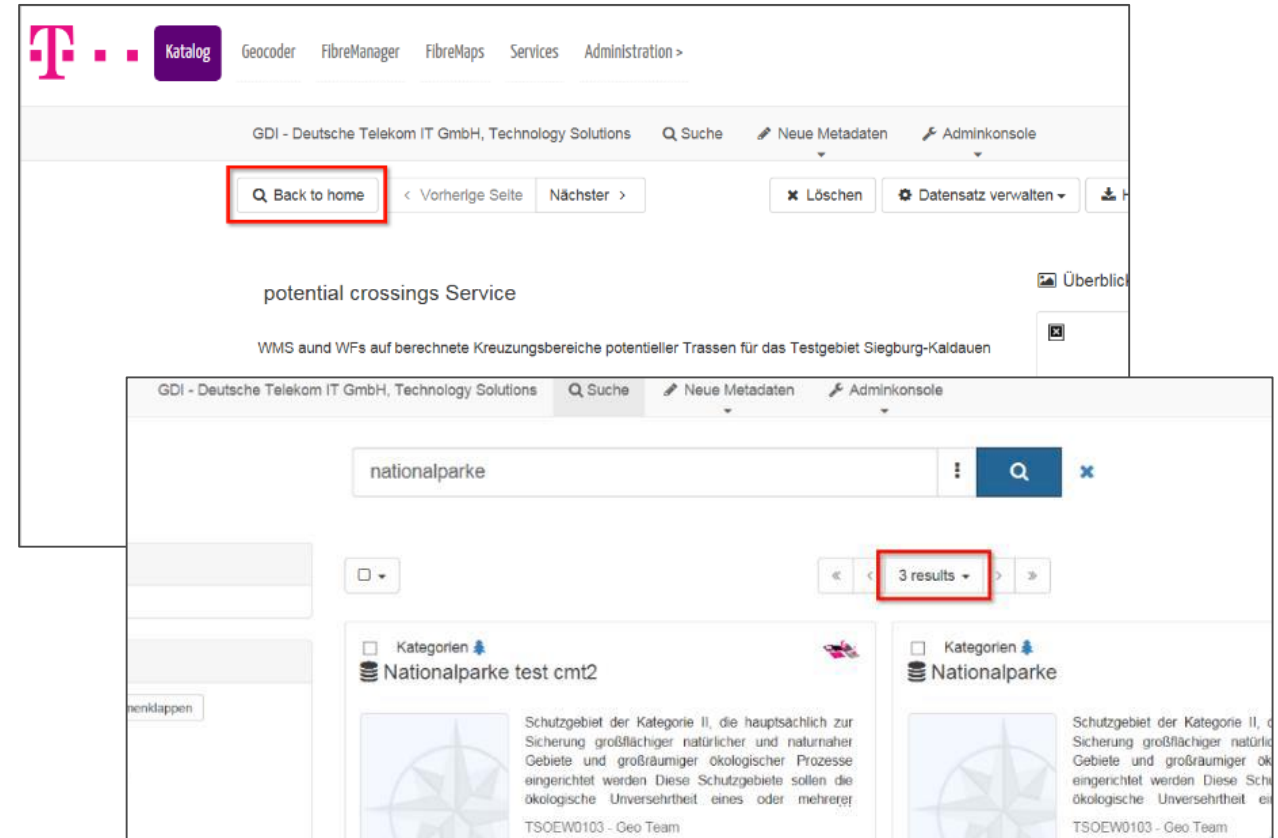
FINDINGS OF USABILITY ASSESSMENT



1	excellent utilisable
2	good utilisable
3	utilisable with minor limitations
4	utilisable with considerable limitations
5	deficient utilisable

Overall aspects

- Some entries don't have translations



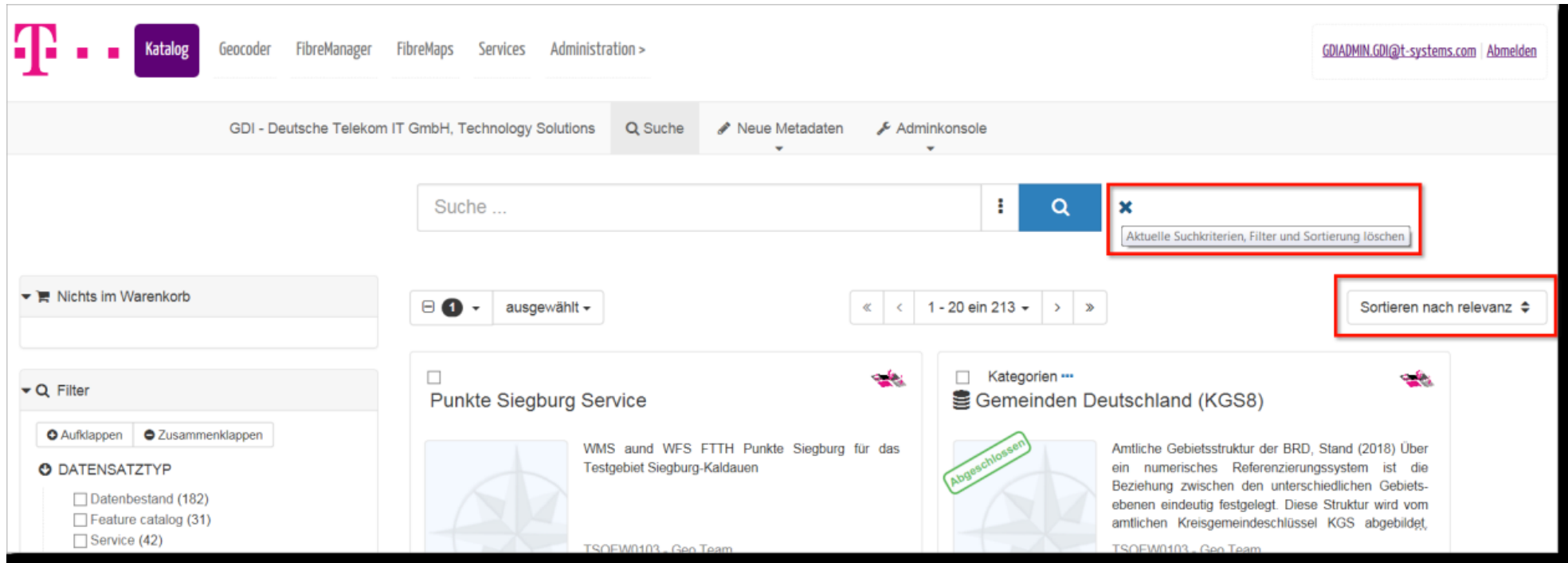
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FINDINGS OF USABILITY ASSESSMENT



Search

- Functions are not meaningful named
- Settings for filter, sorting and search can't be re-set independently



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FINDINGS OF ACCESSIBILITY ASSESSMENT

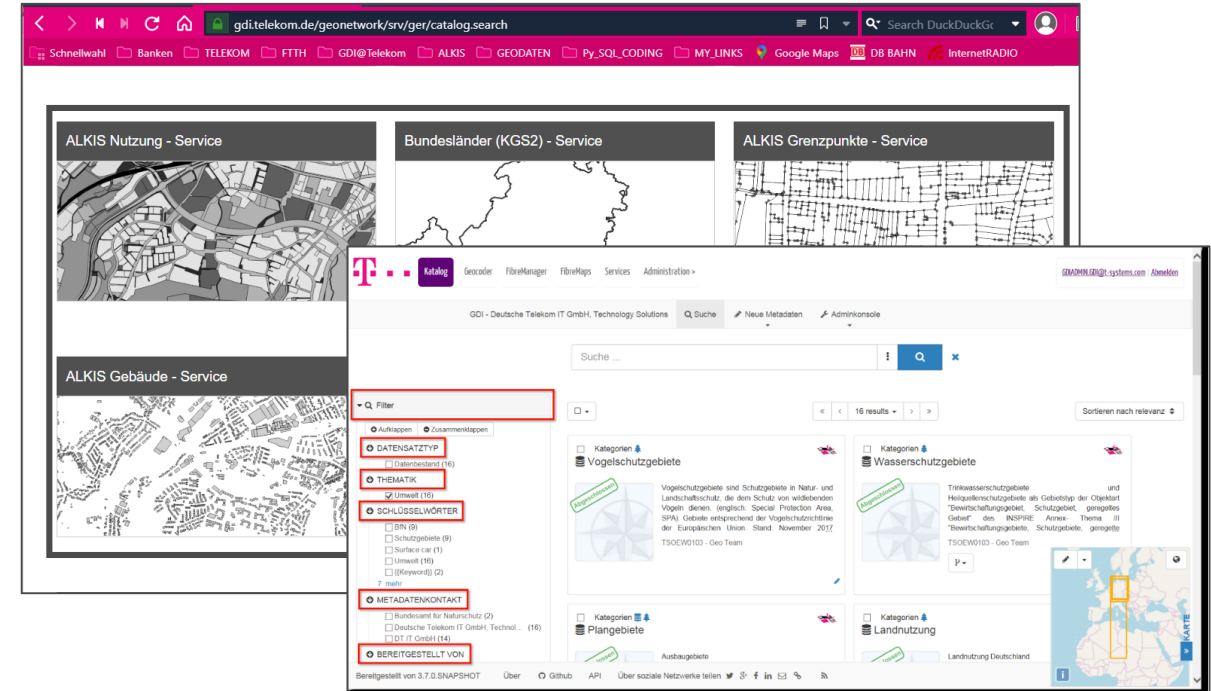


Weighting table

Weighting	Description
❗❗❗	Severe accessibility blockade
❗❗	Accessibility blockade
❗	Minor accessibility blockade
👍	Correct implementation

User group
Visually impaired users (Vi)
Blind users (B)
Users with motor disabilities (M)
Deaf users (D)

Some important functions are not accessible via keyboard

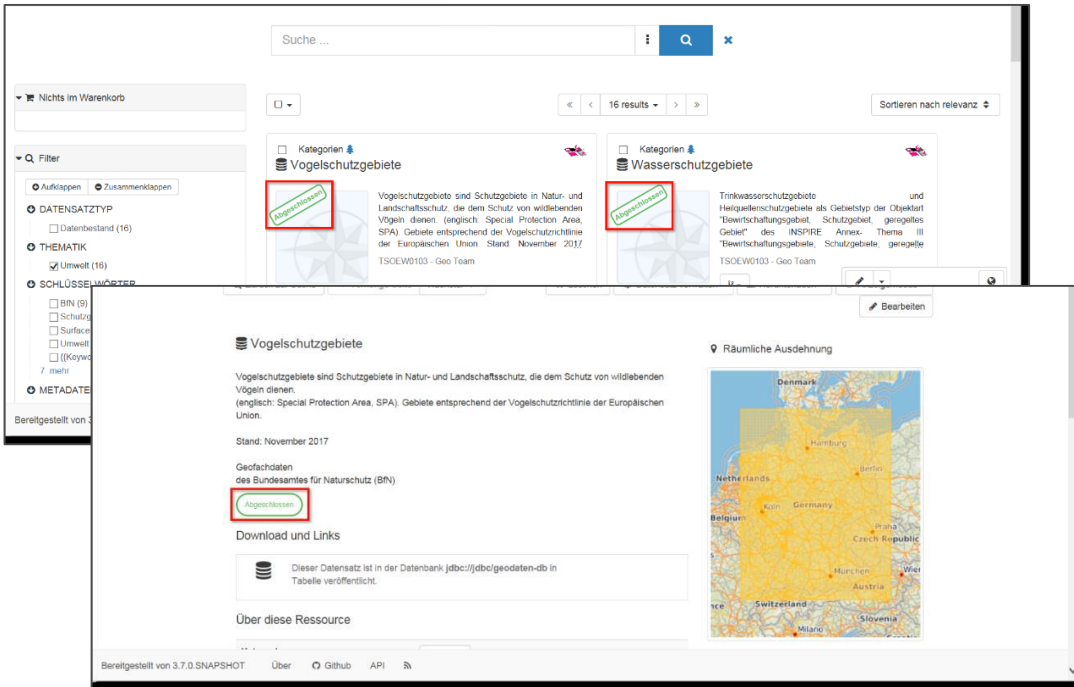


Vi	B	M	D
-	❗❗❗	❗❗❗	-

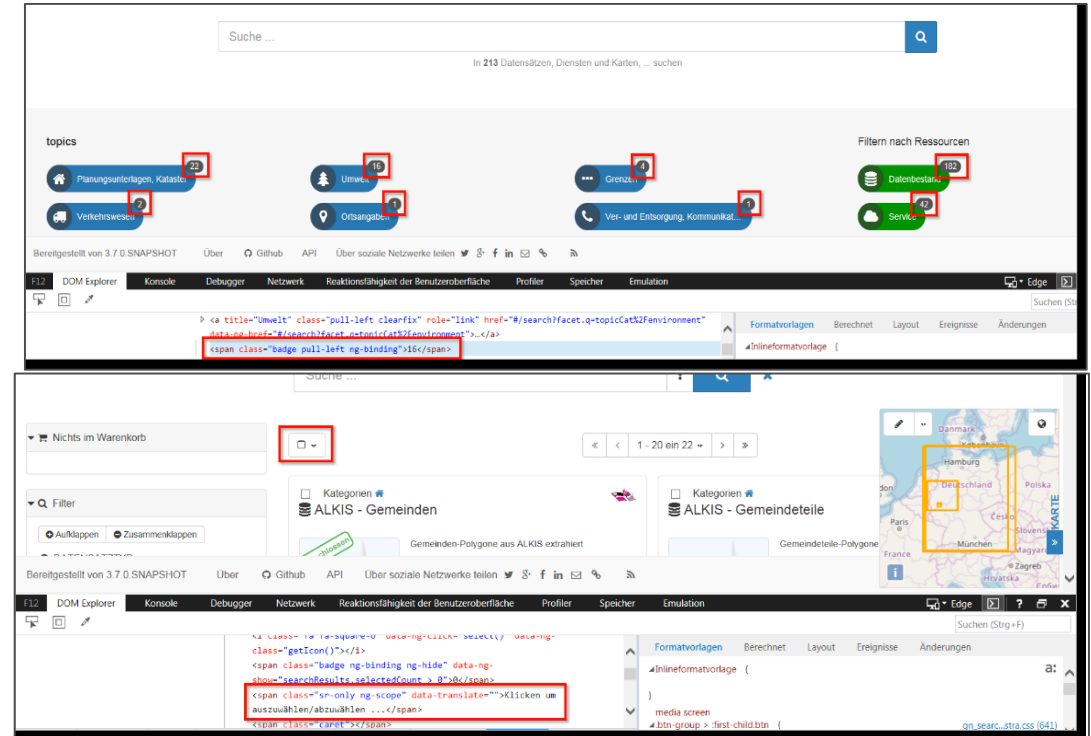
FINDINGS OF ACCESSIBILITY ASSESSMENT



Contrasts are partially too low and cannot be adapted/customised



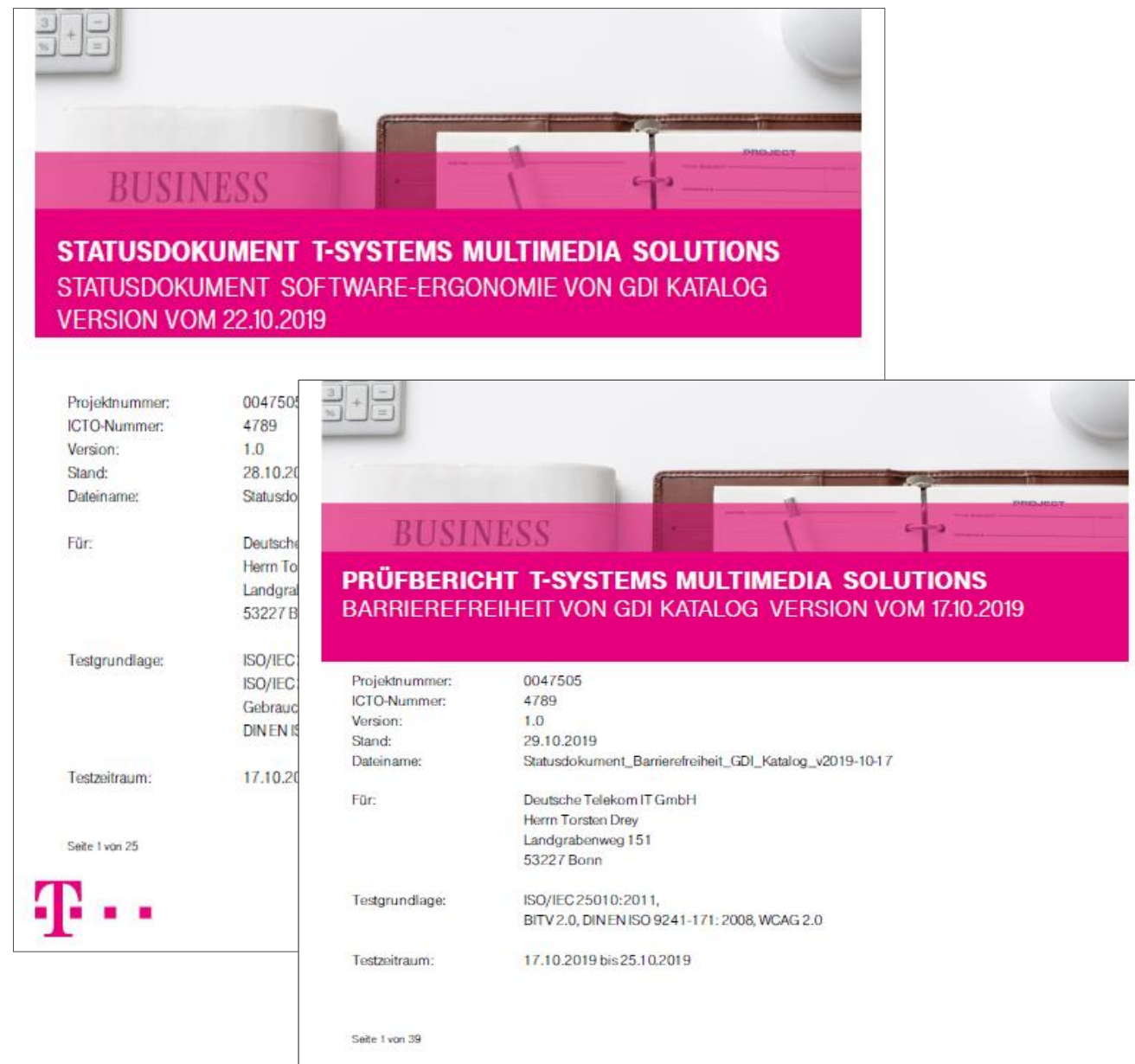
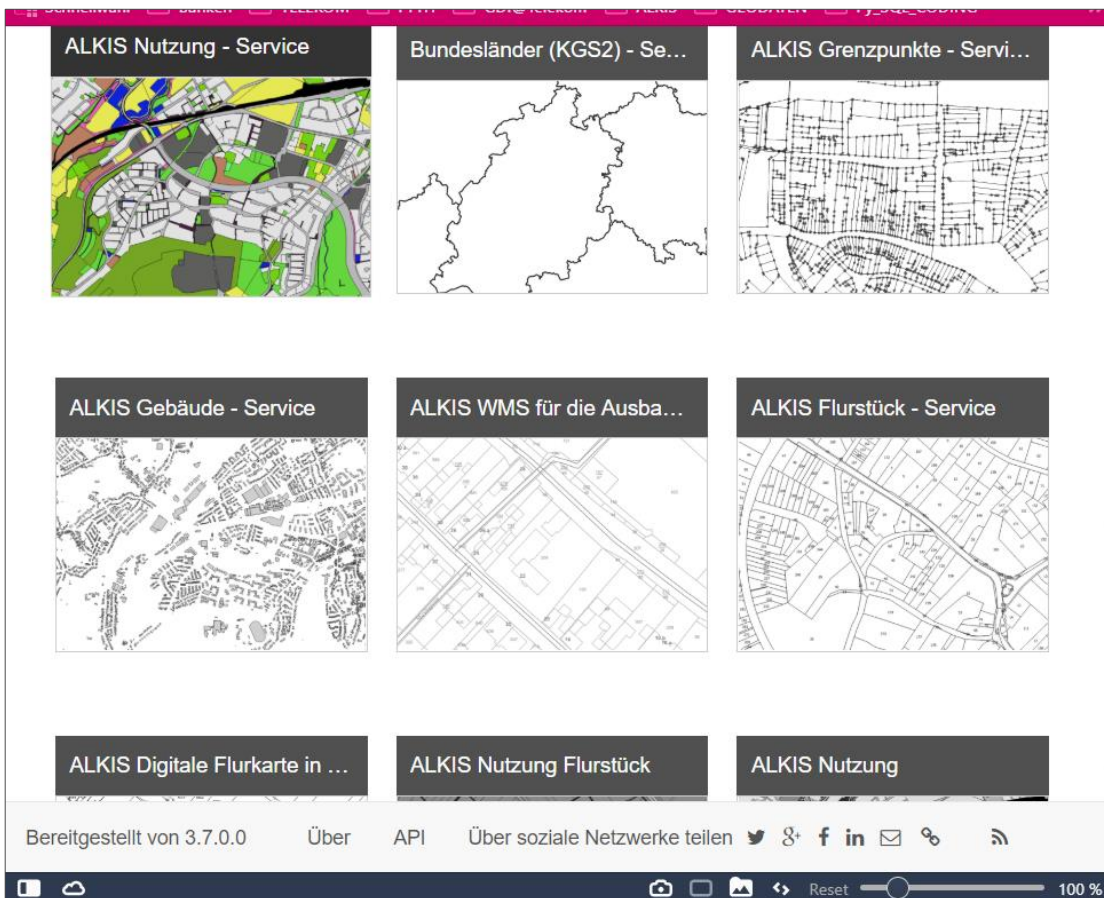
Contents only partially accessible & tables not recognisable in structured manner with screenreader



Vi	B	M	D
👎	-	-	-

Vi	B	M	D
-	👎 👎 👎	-	-

DIALOG & OFFER TO THE OS-COMMUNITY



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Q & A



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