

COOPERATIVE GOVERNANCE
› MANAGING HIGH QUALITY
DRINKING WATER WITH
2300 BAVARIAN SUPPLIERS

Land. Water. Sources.

Gunnar Braun

Quebec, 02.11.2016

› AGENDA

1

Who is the VKU – Verband kommunaler Unternehmen e.V.?

2

Fundamentals on Institutional Governance of the Water Sector

3

Why 2300 Water Suppliers in Bavaria?

4

Insights into Self-Governance Structures of the Water Sector

VKU: GERMAN ASSOCIATION OF LOCAL UTILITIES

The VKU	Tasks and self-understanding	Divisions of local utilities
<ul style="list-style-type: none">• Representation of interests and advisor for local utilities• Founded in 1949 in Cologne• Association of more than 1.400 local utilities• Organization: headquarters in Berlin, 12 regional sections, EU-office in Brussels	<ul style="list-style-type: none">• Lobbying towards politicians at federal, national and European level• Advisory and practical services to members• Networking platform for local utilities• Support for strategic reorientation	<ul style="list-style-type: none">• Energy supply• Water supply• Sewage• Gas supply• Waste disposal• Telecommunications• District heating

	Germany	Bavaria
Members:	>1.450	202
Turnover:	111 bn €	15,5 bn €
Investments:	9,4 bn €	1,2 bn €
Employees:	260.000	33.700

Source: VKU Zahlen, Daten, Fakten 2016

MARKET-SHARES IN GERMANY



Power: 54%



Gas: 56 %



Heat: 67 %



Water: 85 %



Wastewater: 40 %

Source: VKU Zahlen, Daten, Fakten 2016

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THE POLITICAL FRAMEWORK FOR WATER



Framework for Community action in the field of water policy
Directive 2000/60/EC of the European Parliament and of the Council



Federal Water Act

**Ground Water
Ordinance**

**Waste Water
Ordinance**

**Drinking Water
Ordinance**

**Use of
Fertilisers
Ordinance**



Bavarian Water Act

THE INSTITUTIONAL FRAMEWORK FOR WATER



European Parliament / European Commission



Federal Environment Ministry
(Federal Health Ministry)

Environment
Agency

Health Agency

...

...



Bavarian Environment
Ministry

Bavarian Health
Ministry

Bavarian Ministry of
the Interior

Environment
Agency

Health Agency

NON-GOVERNMENTAL INSTITUTIONS

„Governing“ the Water Sector



DStGB

Deutscher Städte-
und Gemeindebund



BAYERISCHER
STÄDTETAG



Energie. Wasser. Leben.



[Services](#) / Standardisation

Standardisation



The practical work in the gas and water branch is based on the technical rules of the DVGW. As a reliable instrument for rules and efficiency measures, regulation offers companies the necessary safety for planning and legal matters, even for the highest authorities. As acknowledged rules for technical matters the regulation of the DVGW is documented in the law for energy economy and the decree for drinking-water.

We closely co-operate with DIN Deutsches Institut für Normung (German Institute for Standardisation) and we are able to influence the creation of European regulations. We support Eastern and Central European countries within the process of adjustment to the European regulation system.

Expanding the commitment in Europe

In the field of European standardisation work, the DVGW has further expanded its commitment in the CEN/TC 164. Of the currently eleven working groups in existence, four are under the management of the DVGW. Thus, the interests of the German drinking water supply can be introduced in Europe even more systematically. This applies both to product and functional standardszation.

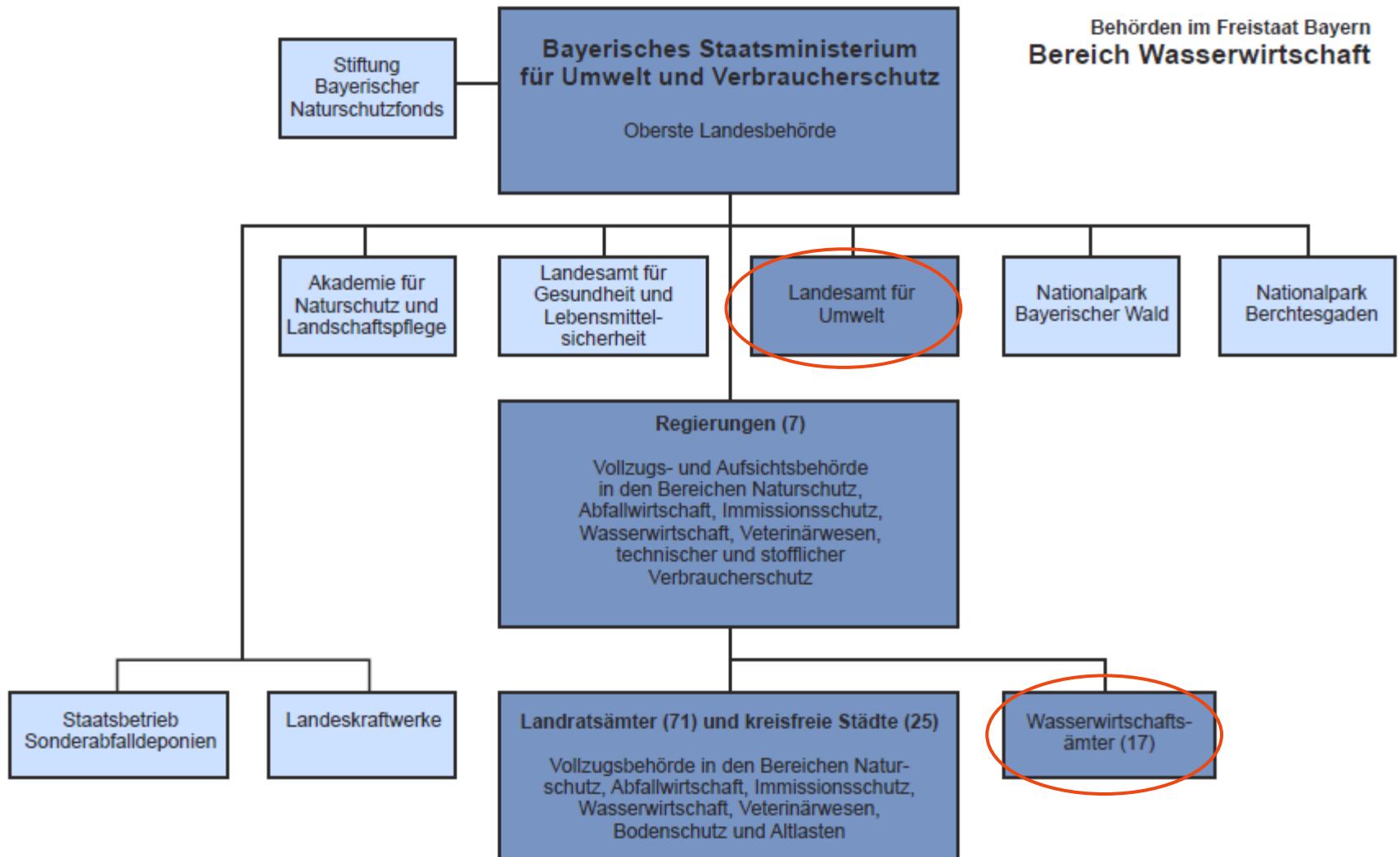
European standardisation has been completed for many components, parts, devices and valves. The first step towards the free traffic of goods in the EU has thus been implemented. At the same time, the elementary basis for the national certification of products has come into being with that. Product standards have to describe requirements and test conditions in such a manner that the demands on safety, hygiene and serviceability can be met. The design principles for this are currently described in the European series of standards EN 806 that partly still needs to be completed. Taking into consideration the individual EU countries' national peculiarities, national amendments are still necessary. Together with its partner organizations, the DVGW in this connection pursues the objective to combine the European standard EN 806 and the national amendments into a consistent paper, the TRWI.

DVGW standardisation and specialist activities: for safety, hygiene and efficiency in gas and water systems

DVGW technical standards provide the basis for the troublefree design, construction and operation of gas and water systems in Germany. These technical standards are produced

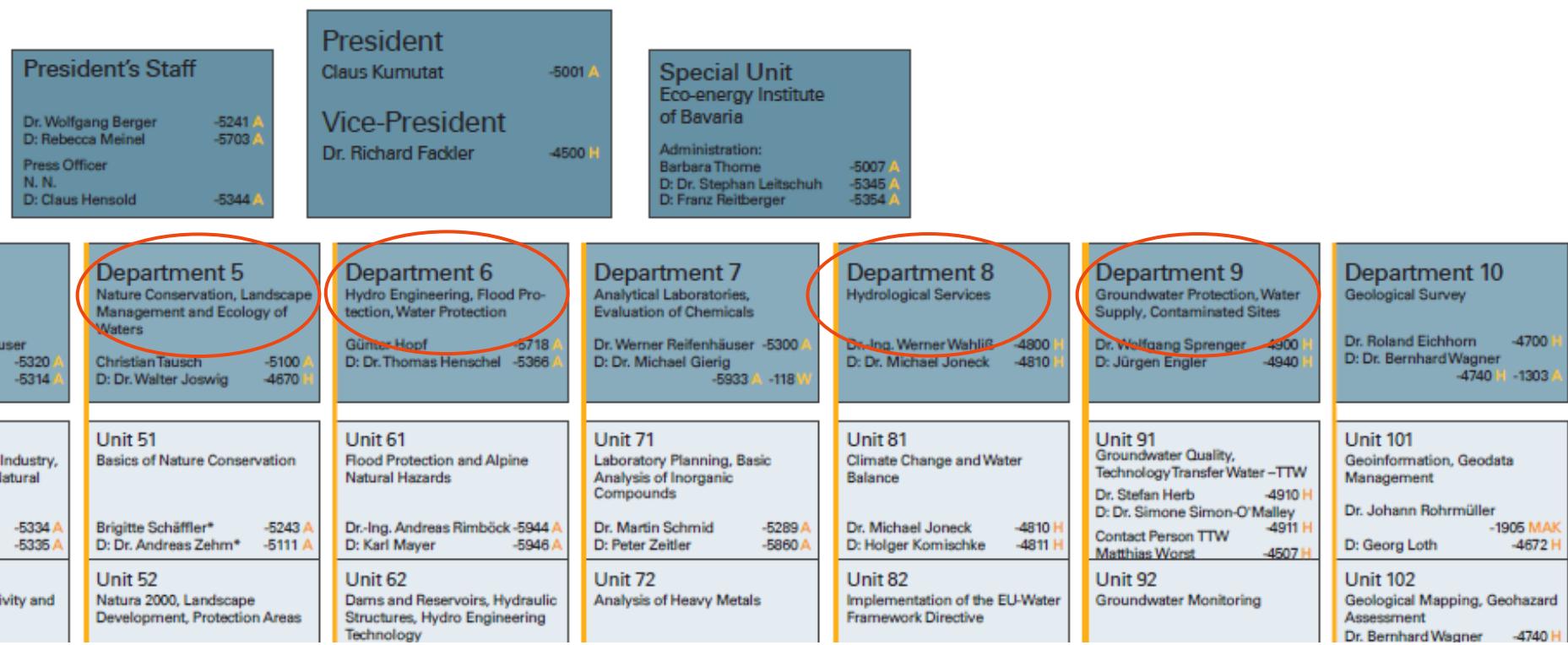
by a transparent process involving all the parties concerned. This is the strong point of the DVGW approach.

BAVARIAN WATER MANAGEMENT - STATE



source: http://www.stmuv.bayern.de/themen/wasserwirtschaft/wasserwirtschaft_in_bayern/

BAVARIAN ENVIRONMENT AGENCY



source: <http://www.lfu.bayern.de>

REGIONAL WATER MANAGEMENT OFFICES

Die Wasserwirtschaftsämter



source: http://www.stmuv.bayern.de/themen/wasserwirtschaft/wasserwirtschaft_in_bayern/wasseraemter.htm

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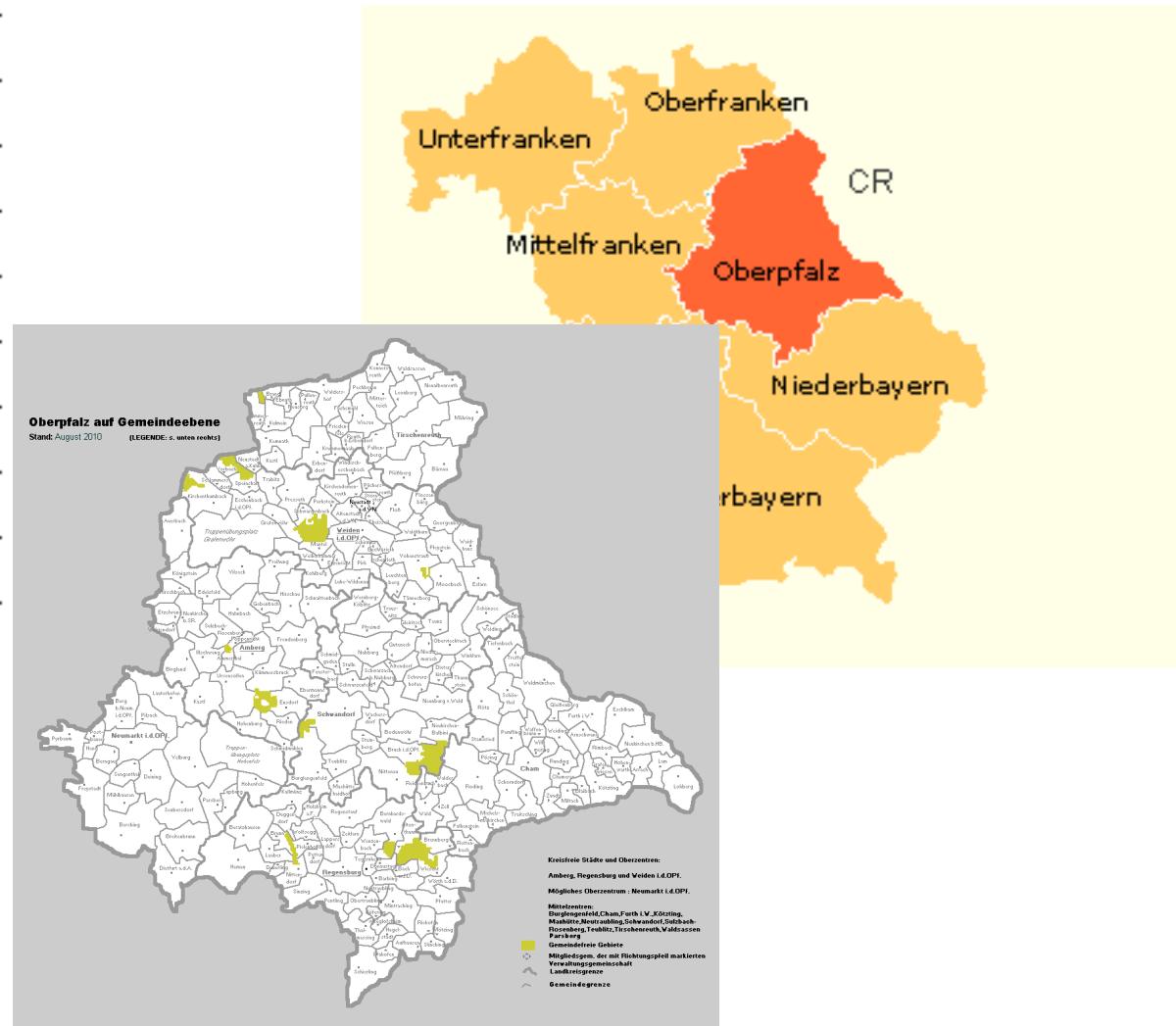
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BAVARIAN WATERWORKS - TOTAL NUMBER

UStat	Anzahl WVU
1991	2.711
1995	2.585
1998	2.553
2001	2.488
2004	2.405
2007	2.348
2010	2.300
2013	2.261



source: Landtagsdrucksache 17/7978

BAVARIAN CONSTITUTION (I)

Art. 11

(2) The municipalities are original administrative units under public law. They shall be entitled to order and manage their affairs themselves within the framework of the laws and in particular to elect their mayors and representative bodies.

Art 12

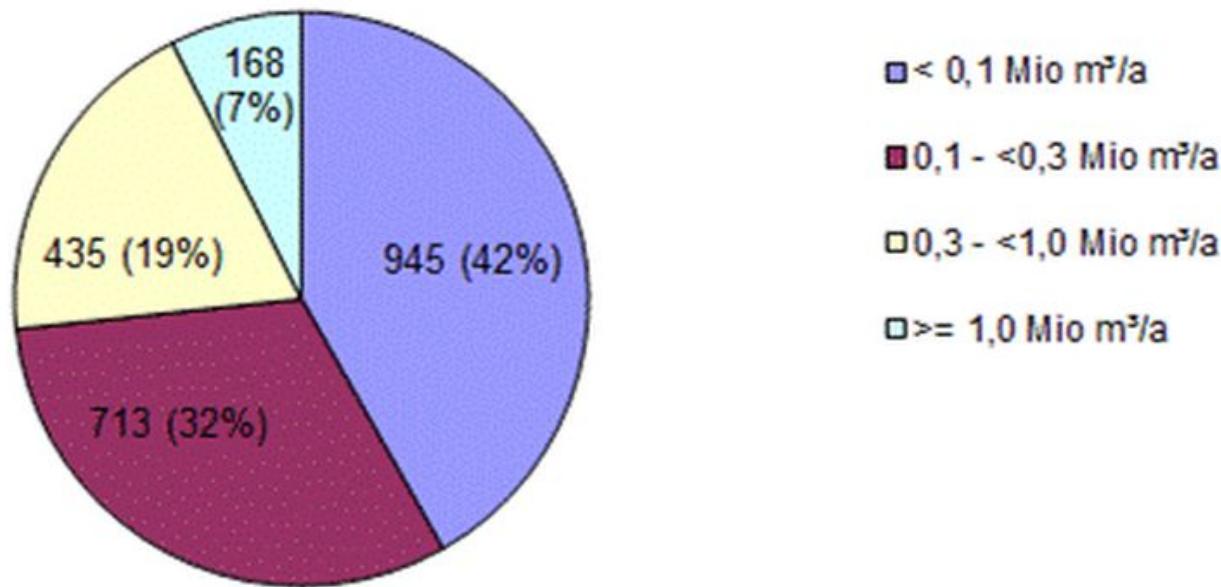
(2) Under no circumstances may the property of the municipalities and associations of municipalities be subsumed into the state property. The donation of such property shall be inadmissible.

Art 83

(1) The municipalities' own sphere of activity (Art. 11 (2)) shall in particular cover the administration of the municipal property and the municipal undertakings; the local traffic including road construction; the supply of water, light, gas and electricity for the population; measures for securing the food supply; town planning, building and supervision of housing; local police, fire protection; promoting local culture; elementary and vocational school systems and adult education; guardianship and public welfare; the local health system; marriage guidance, advice for mothers and baby care; school hygiene and the physical training of young people; public baths; funeral services; the preservation of local monuments and buildings.

BAVARIAN WATERWORKS IN NUMBERS BY WATER PR

Größenklassen WVU in Bayern 2013
nach Wasseraufkommen
Bayern insgesamt: 2261 (100%)

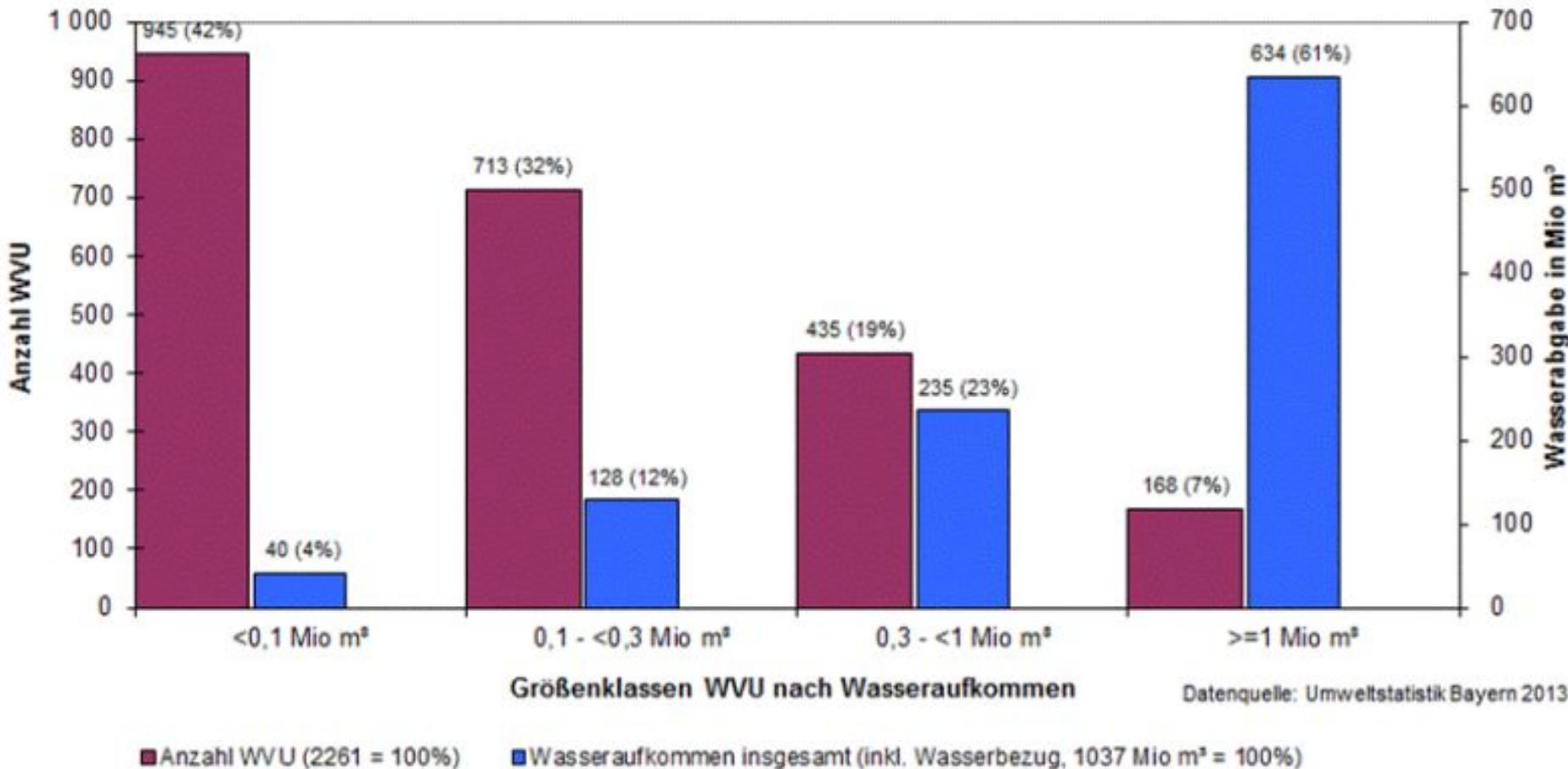


Datenquelle: Umweltstatistik Bayern 2013

source: http://www.lfu.bayern.de/wasser/trinkwasserversorgung_oeffentlich/wasserversorgungsunternehmen/struktur/index.htm

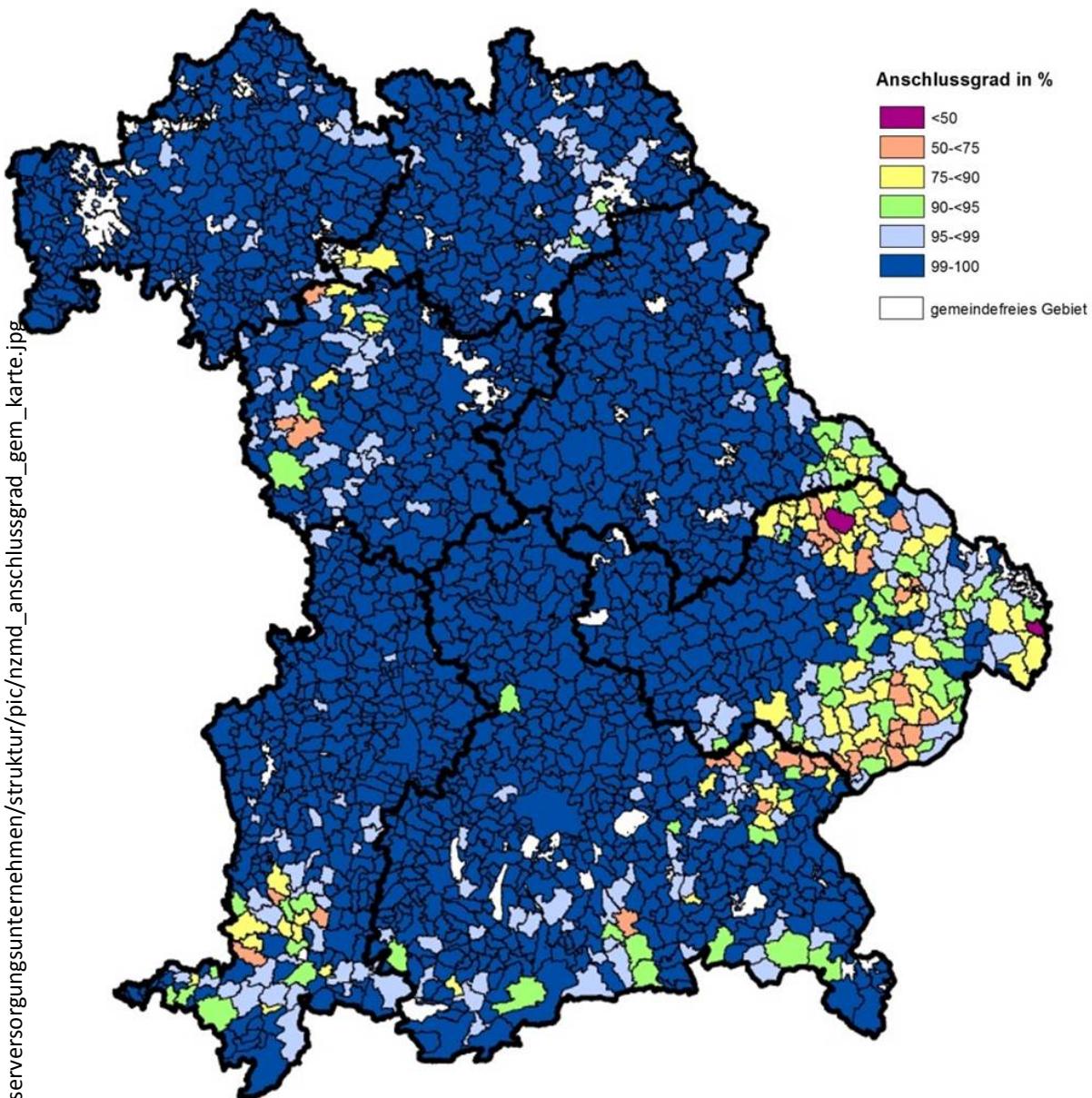
BAVARIAN WATERWORKS IN NUMBERS BY WATER

Größenklassen WVU in Bayern 2013 nach Wasseraufkommen insgesamt



source: http://www.lfu.bayern.de/wasser/trinkwasserversorgung_oeffentlich/wasserversorgungsunternehmen/struktur/index.htm

POPULATION CONNECTED TO PUBLIC WATER SYSTEM



Datenquelle: Umweltstatistik Bayern 2013

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SELF-MANAGE- MENT TOOLS

Benchmarking

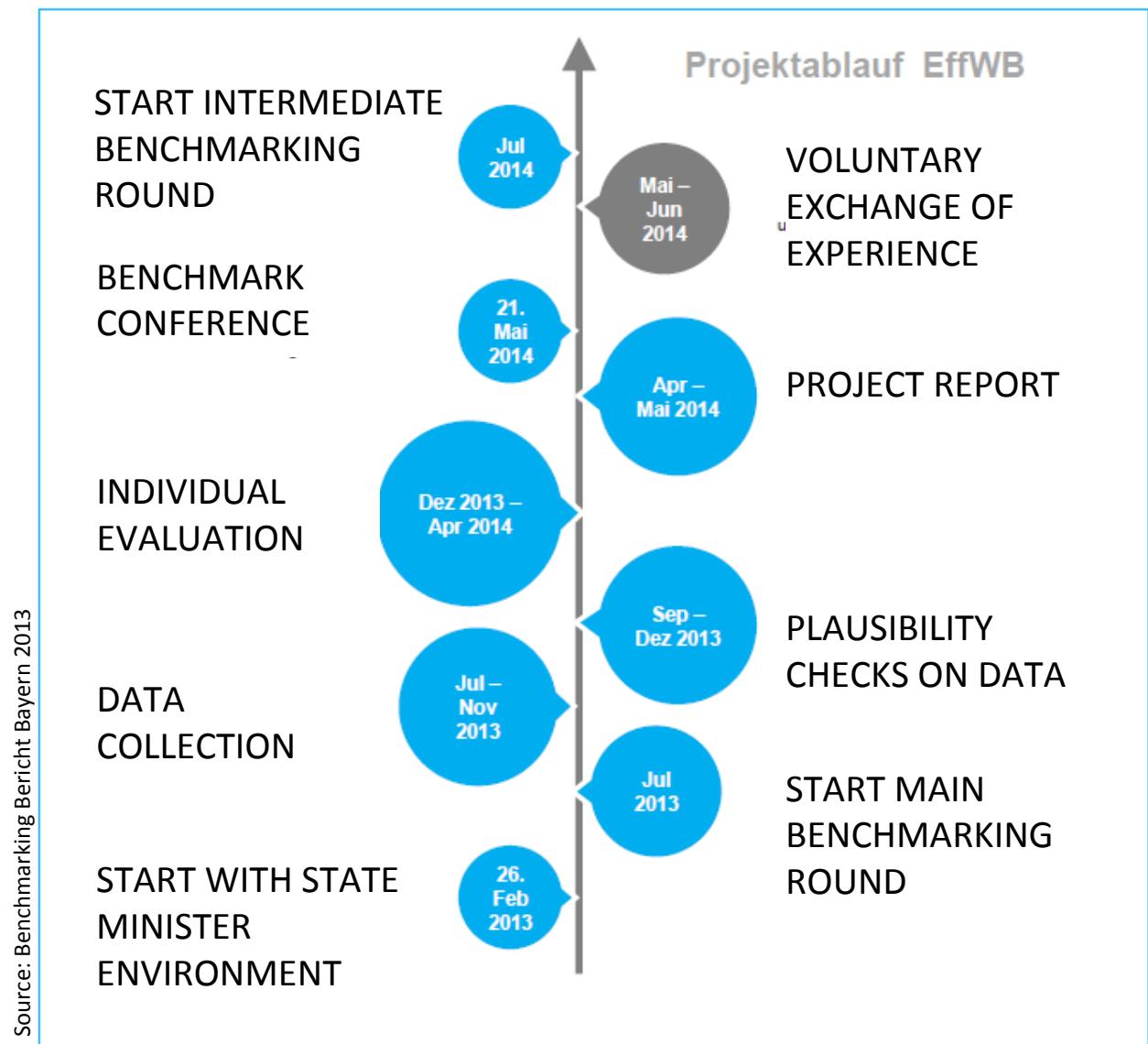
Distribution of statewide water supply benchmarking projects



Source: Public project reports and BDEW 2014

SELF-MANAGE- MENT TOOLS

Benchmarking in Bavaria



SELF-MANAGEMENT TOOLS

„Waterworks Neighborhoods“ (WWN)



Bayerisches Staatsministerium für
Umwelt und Gesundheit



Bayerisches Landesamt für
Umwelt



Bayerisches Staatsministerium für
Gesundheit und Pflege



VERBAND KOMMUNALER
UNTERNEHMEN e.V.

LANDESGRUPPE BAYERN



Landesgruppe Bayern



Energie. Wasser. Leben.



der Bundeswehr



SELF-MANAGE-MENT TOOLS

„Waterworks Neighborhoods“ (WN)



WASSERWERKS
NACHBARSCHAFTEN
BAYERN E.V.

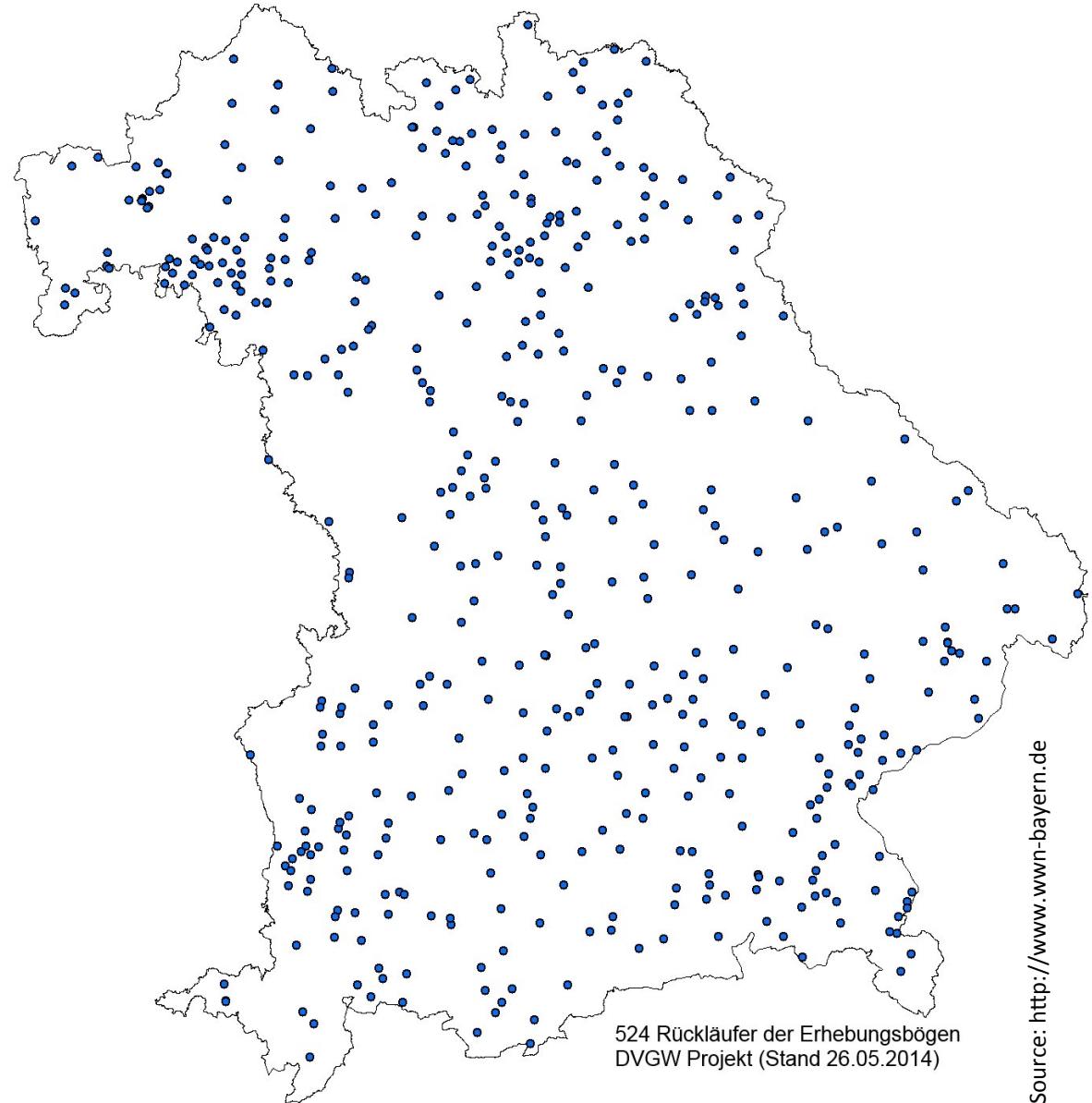


SELF-MANAGE- MENT TOOLS

Check-list for the small

In 2014 the waterworks neighborhoods (WWN) invited their members to go through a check-list on essential topics operating a water supply system provided by a the Bundeswehr University of Munich and DVGW.

More than 500 waterworks replied and thus started a less elaborated, but similar process as benchmarking on their technical abilities and infrastructur.



Source: <http://www.wwn-bayern.de>

THANK YOU!



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Verband kommunaler Unternehmen e.V.

Landesgruppe Bayern

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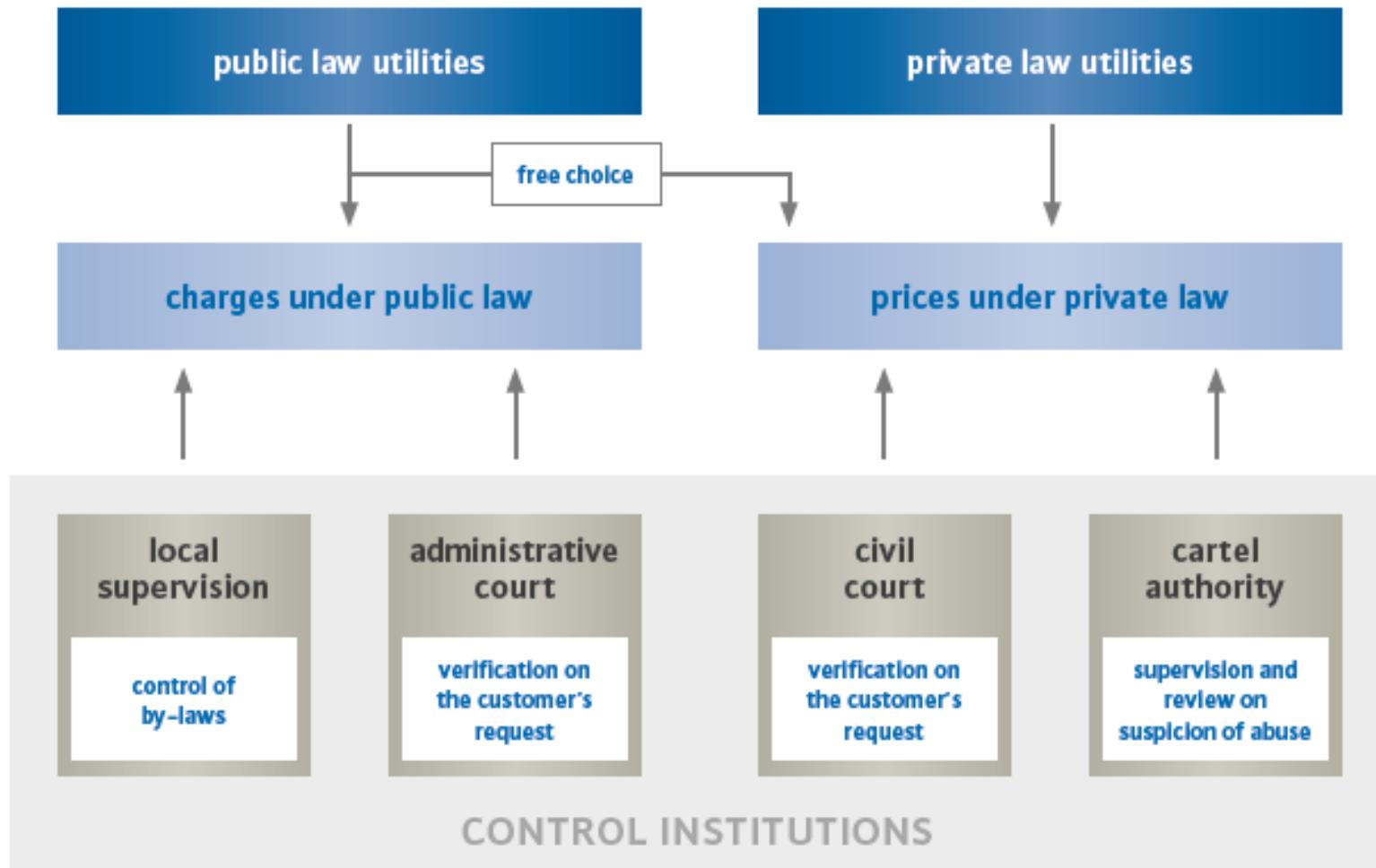
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Control of prices and charges



Source: VKU

Source: <http://www.wwn-bayern.de>