

An aerial photograph of a large, irregularly shaped lake with deep blue water, surrounded by a dense forest of green trees. The terrain is rugged with some rocky outcrops visible. The text 'WASSER' is written in a white, serif font with two small circles above the 'o's. Below the text is a white, wavy line that mimics the shape of water.

WASSER

WE ARE WATER



Institutional solution in water supply and waste water treatment in rural areas by Upper Austria Water

Dipl.-Ing. Wolfgang Aichlseder

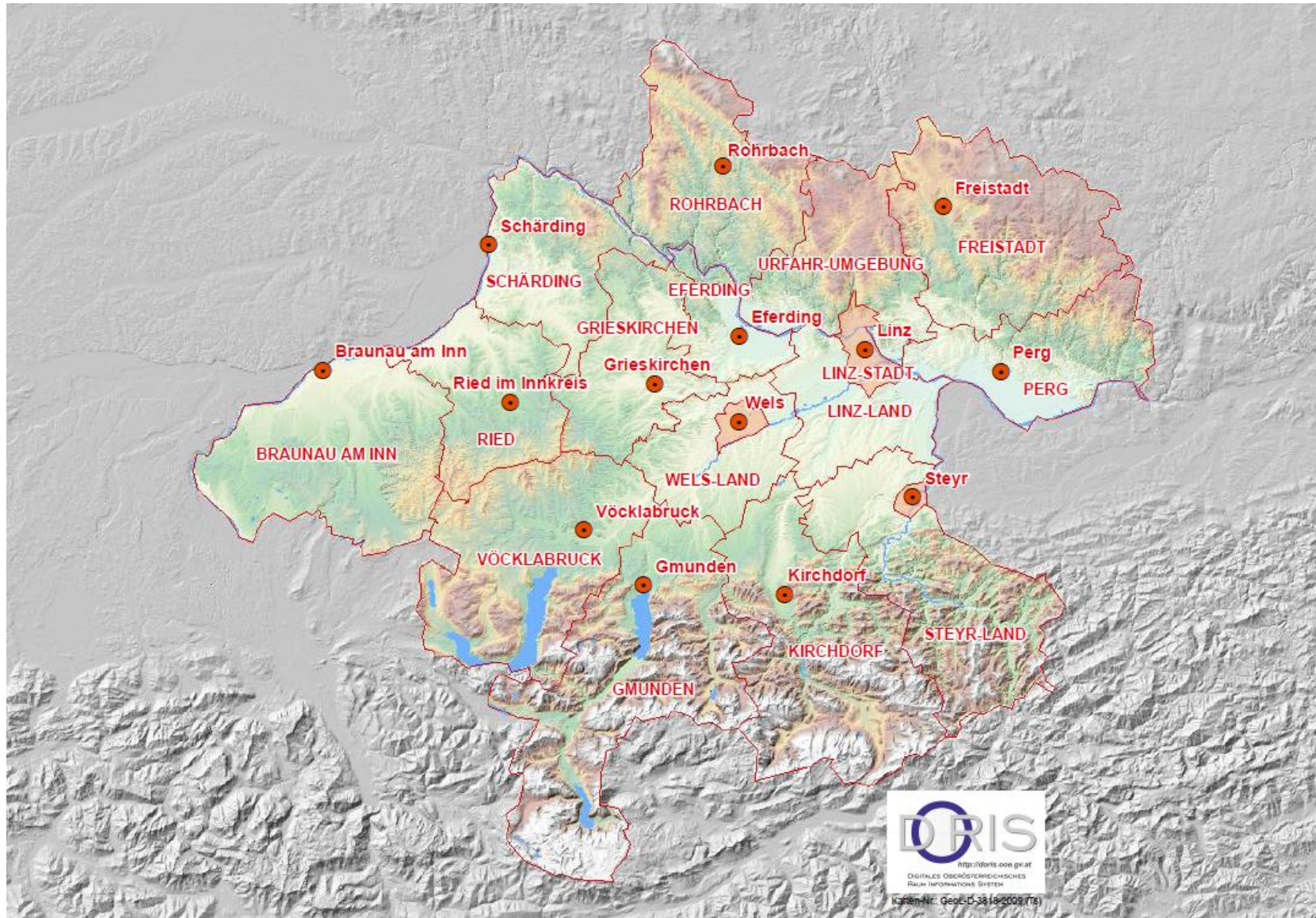
UPPER AUSTRIA



- population: 1.4 million
- area: 11,981 km²
- capital: Linz
- districts: 14
- communities: 440
- highest mountain:
Dachstein (2,995 m)



UPPER AUSTRIA

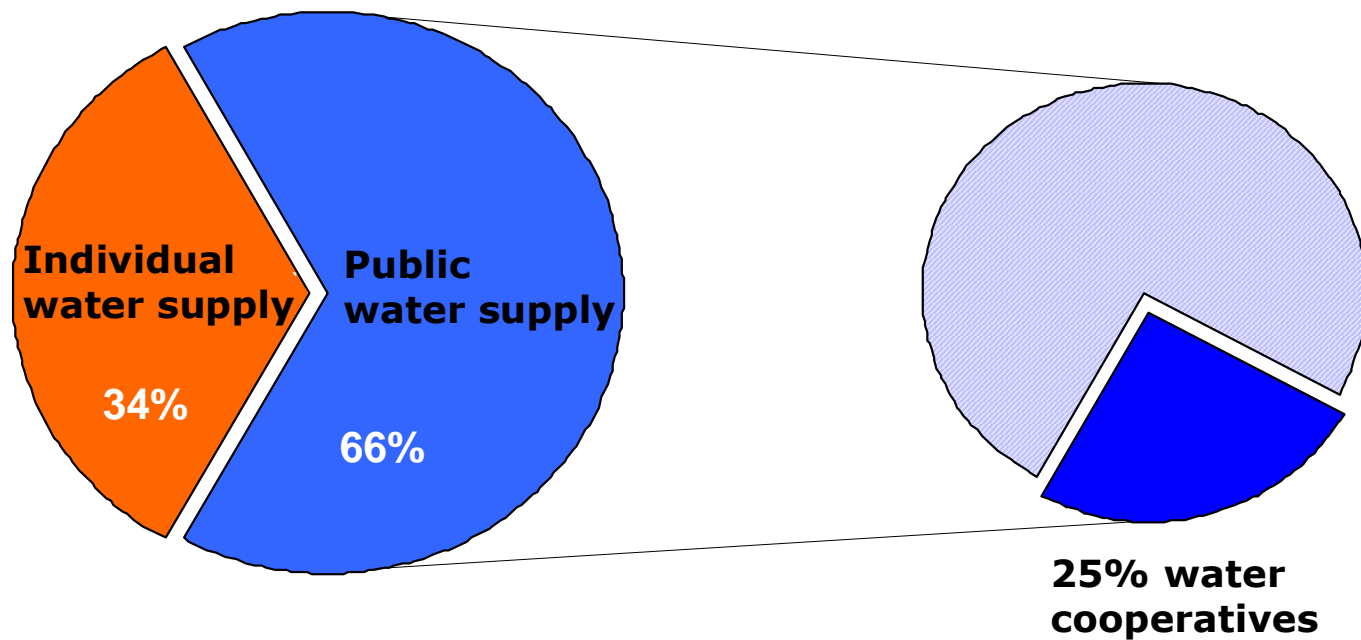


SITUATION IN UPPER AUSTRIA

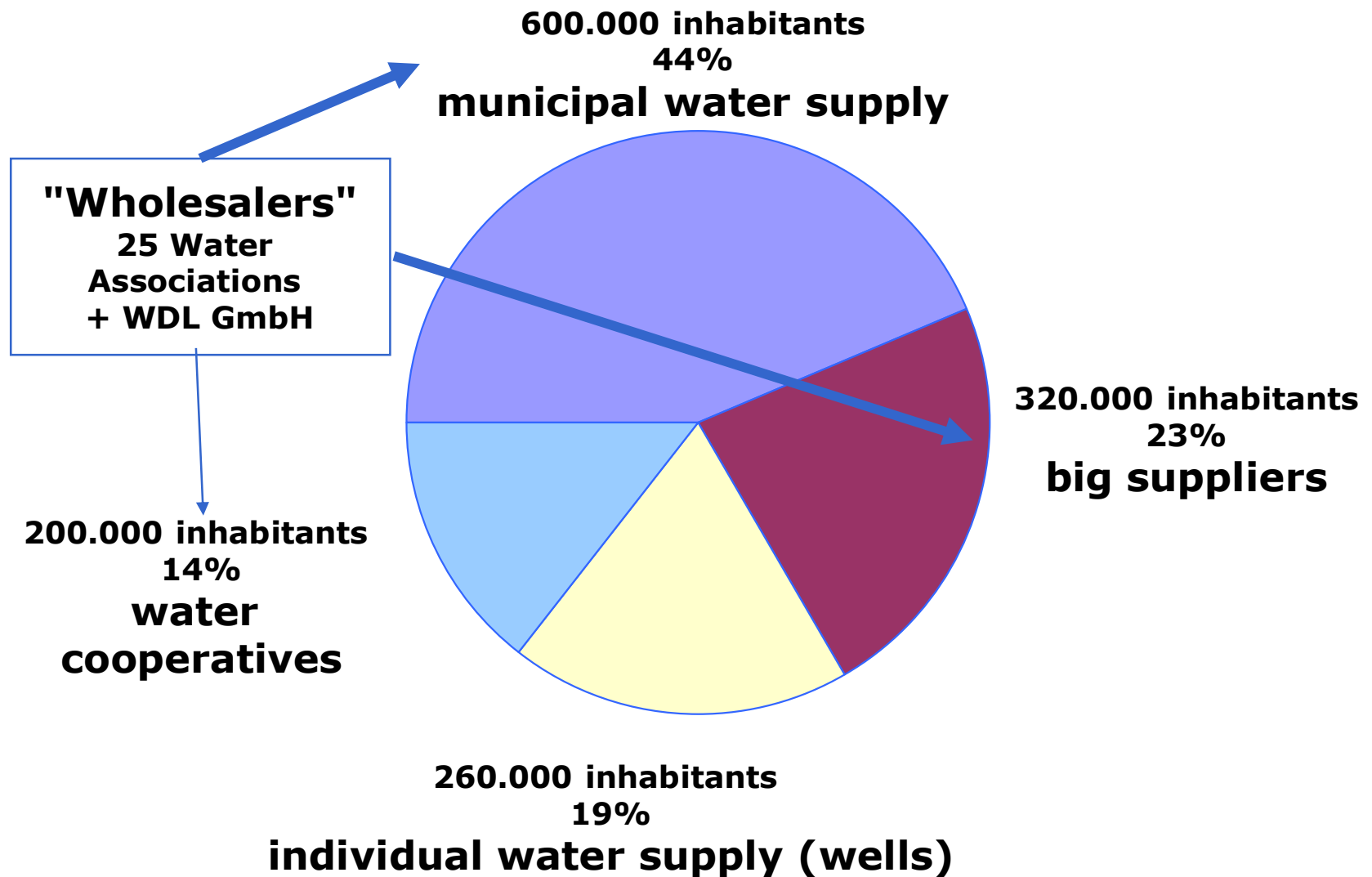


Structure:

444 communities, 4000 villages
with less than 20 buildings



SITUATION IN UPPER AUSTRIA - 2013



PUBLIC OPINION - DRINKING WATER



CLEAR, FRESH, CLEAN

- drinkable without any problems
- odourless
- water from the vicinity
- strictly checked
- without pesticides and nitrate
- non-calcarous water



OBJECTIVES - DRINKING WATER



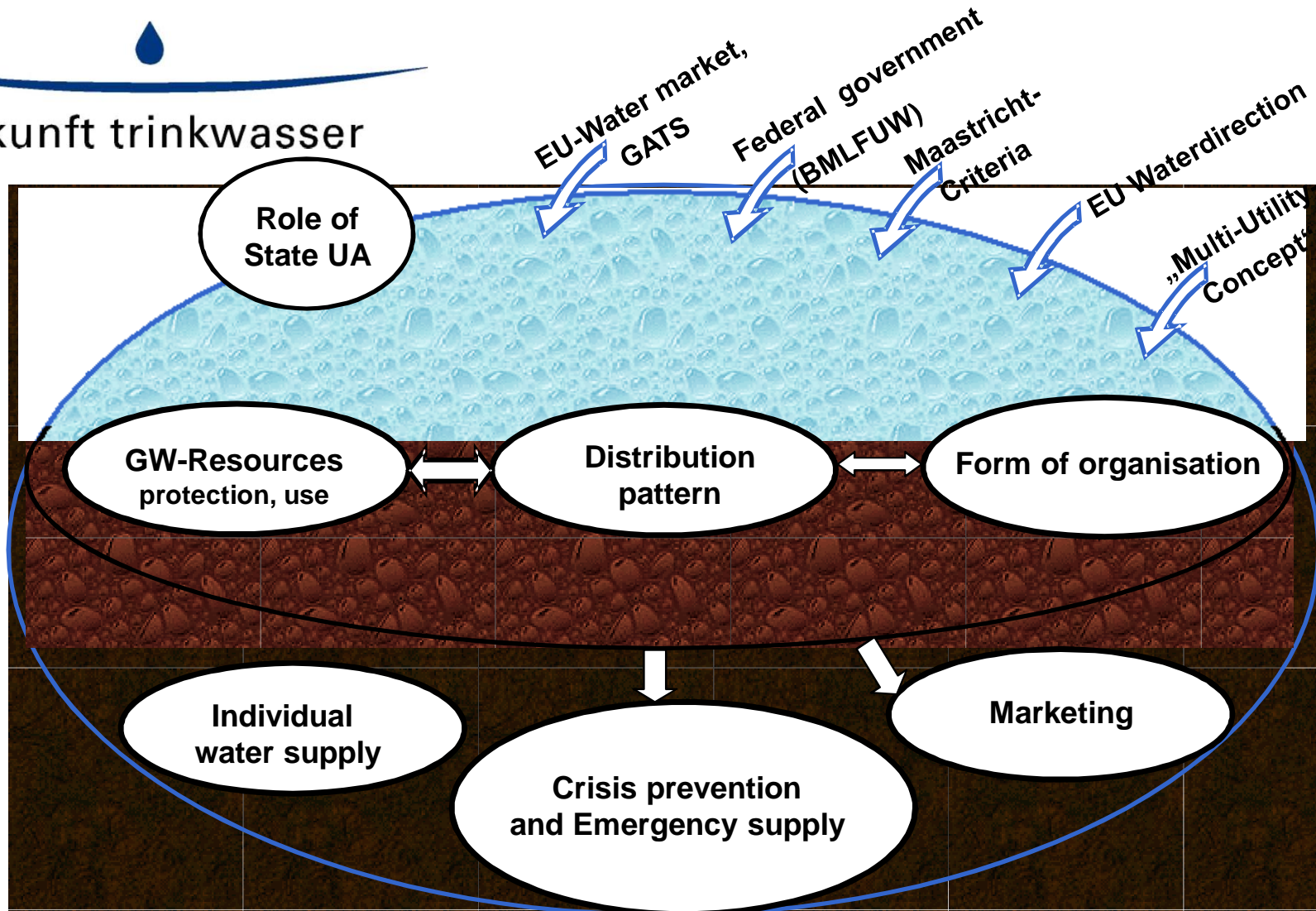
- sufficient
- safe
- affordable
- of high quality
- eco-friendly
- ecological use



STRATEGY - STATE UPPER AUSTRIA



zukunft trinkwasser



THE IDEA ARISES...



- Year 1946
- "Foundation of an umbrella organisation for common guidance and support"
by an unanimous resolution of the Upper Austrian Parliament
- one-stop-shop of support and auditing to the members



THE IDEA ARISES...



- Umbrella starts in Uganda 2001



THE IDEA ARISES...



- 6 Umbrellas in Uganda



THE IDEA ADVANCES...



- Visit by Governor of Upper Austria - 2014



April 18

SWIM H2020 SM - UpperAustriaWater - Aichlseder

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THE IDEA ADVANCES...

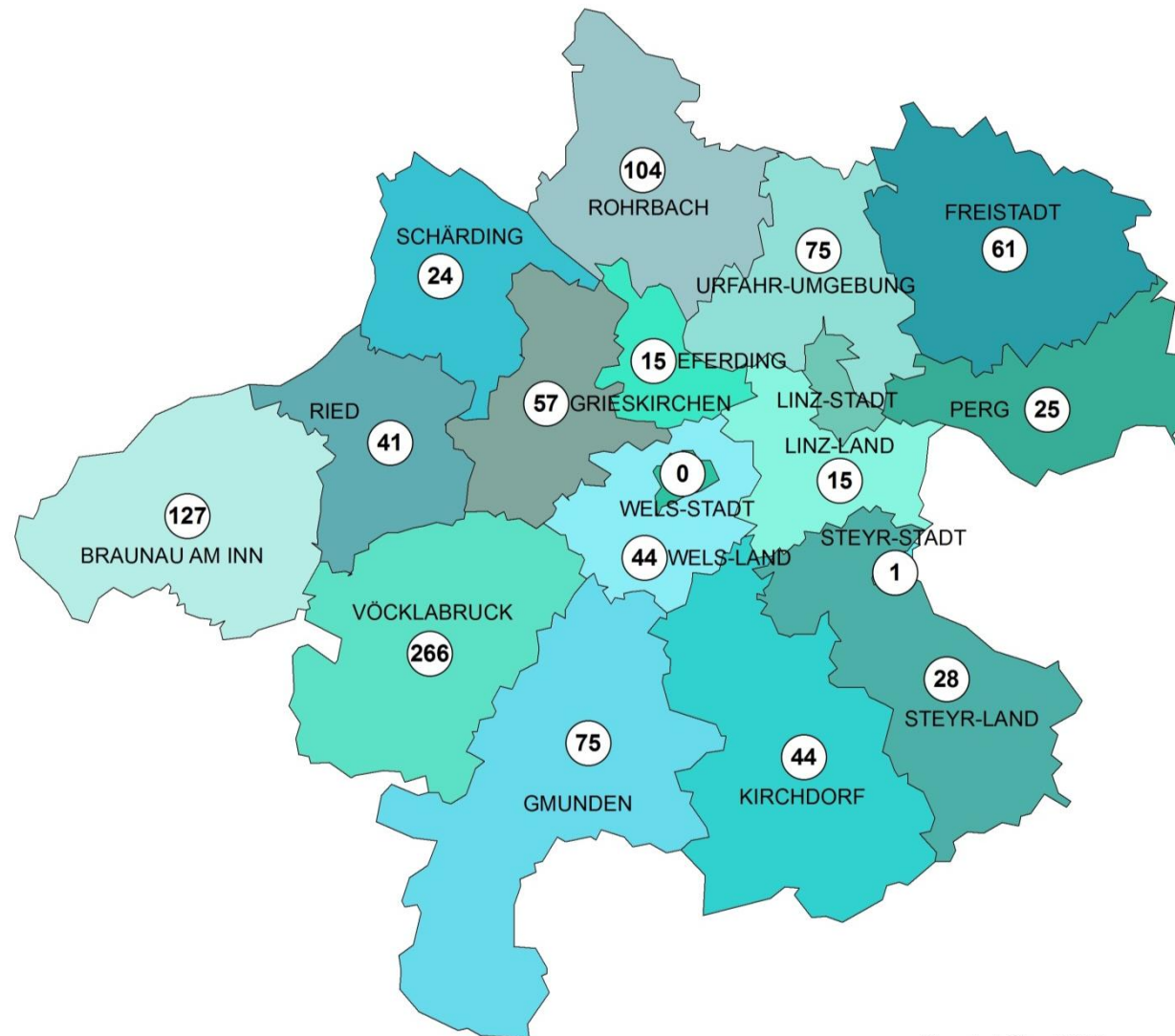


- 6th March 2015
- New contract between
State of Upper Austria and
Upper Austria Cooperative
Association
- 1 strategy
- 2 groups:
 - Umbrella management
 - Advisory group





1027 WATER SUPPLY COOPERATIVES



WATER COOPERATIVES IN UA

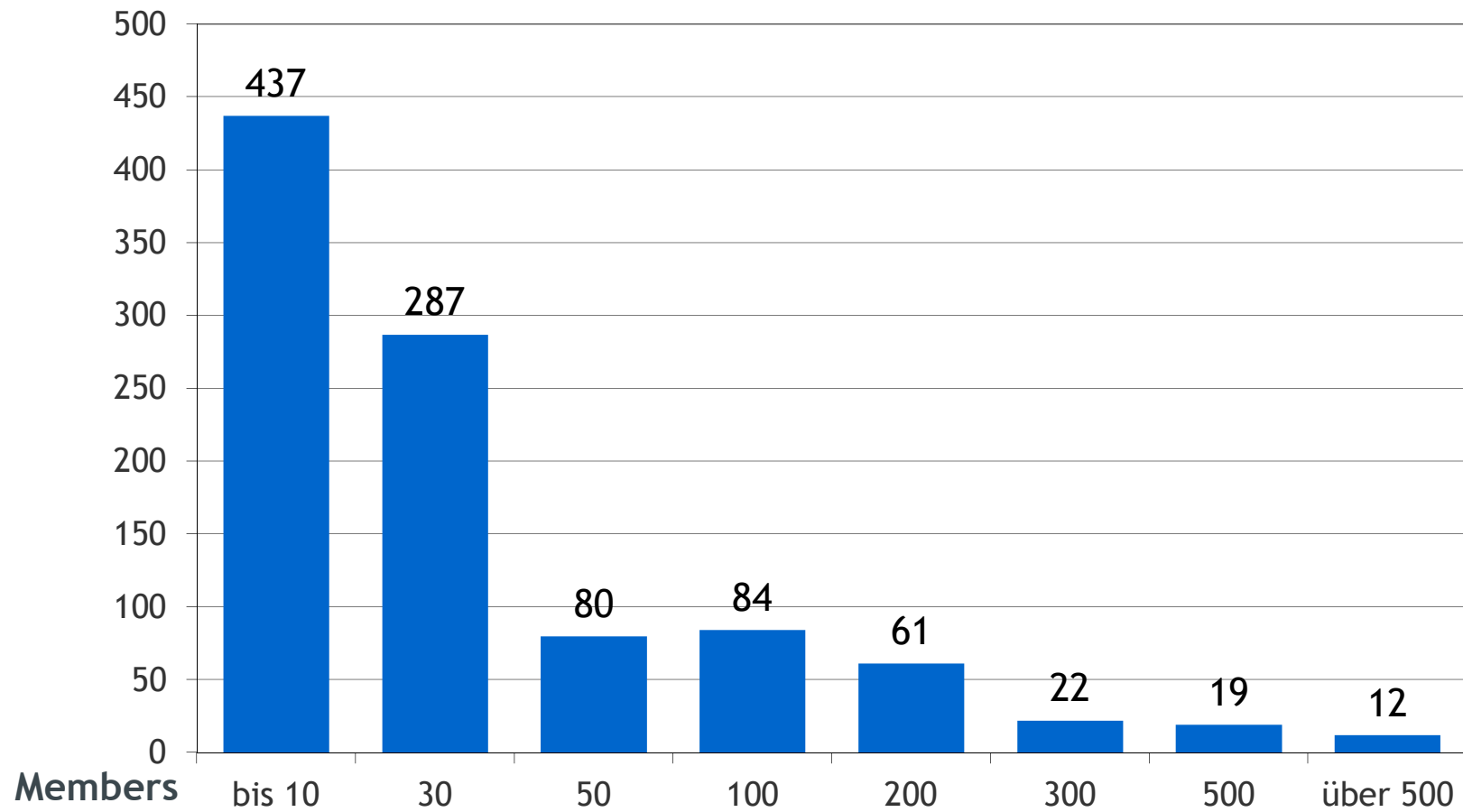


- more than 220.000 people are served by water cooperatives
- 3 objects are minimum
- largest in Upper Austria Water-coop. Neuhofen more than 2000 members

WATER COOPERATIVES



Member structure of water supply cooperatives



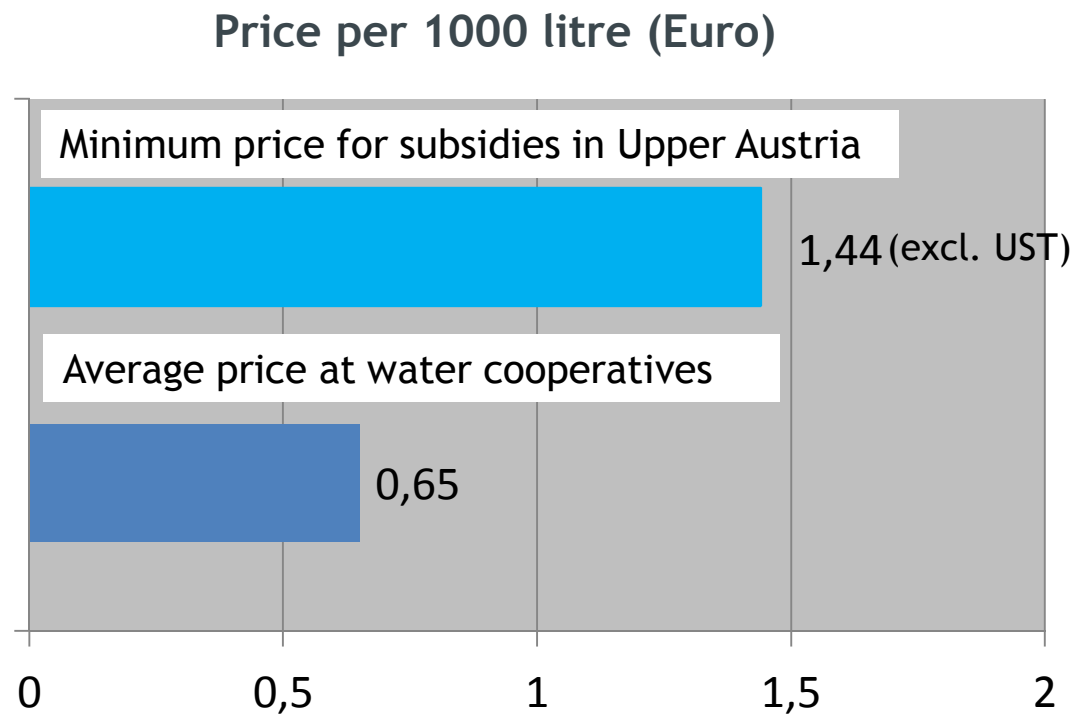
Stand: 16. März 2015

WATER COOPERATIVES

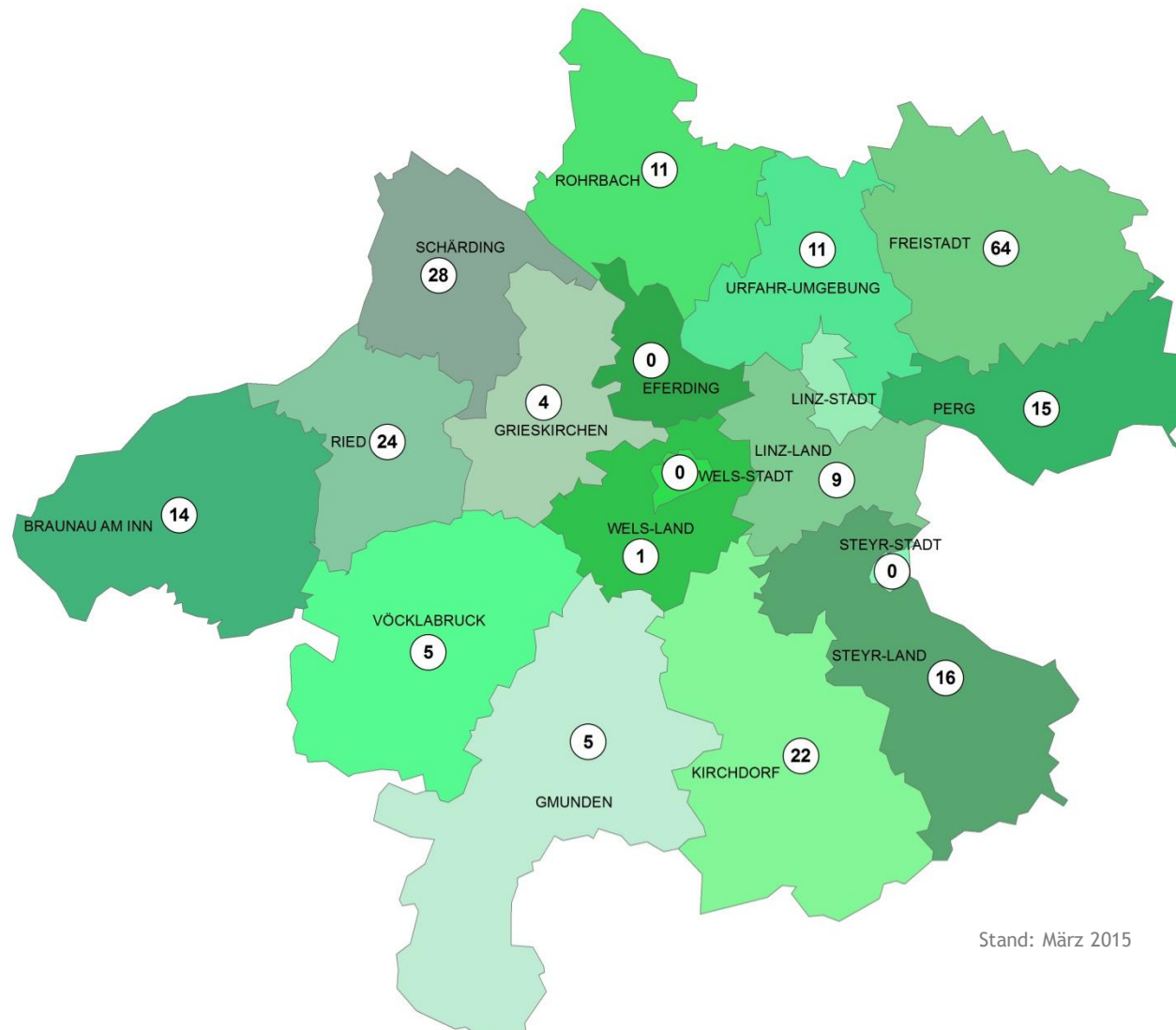


Financing:

- connection fee
- basic charge
- consumption charge
- subsidies



250 WASTE WATER COOPERATIVES

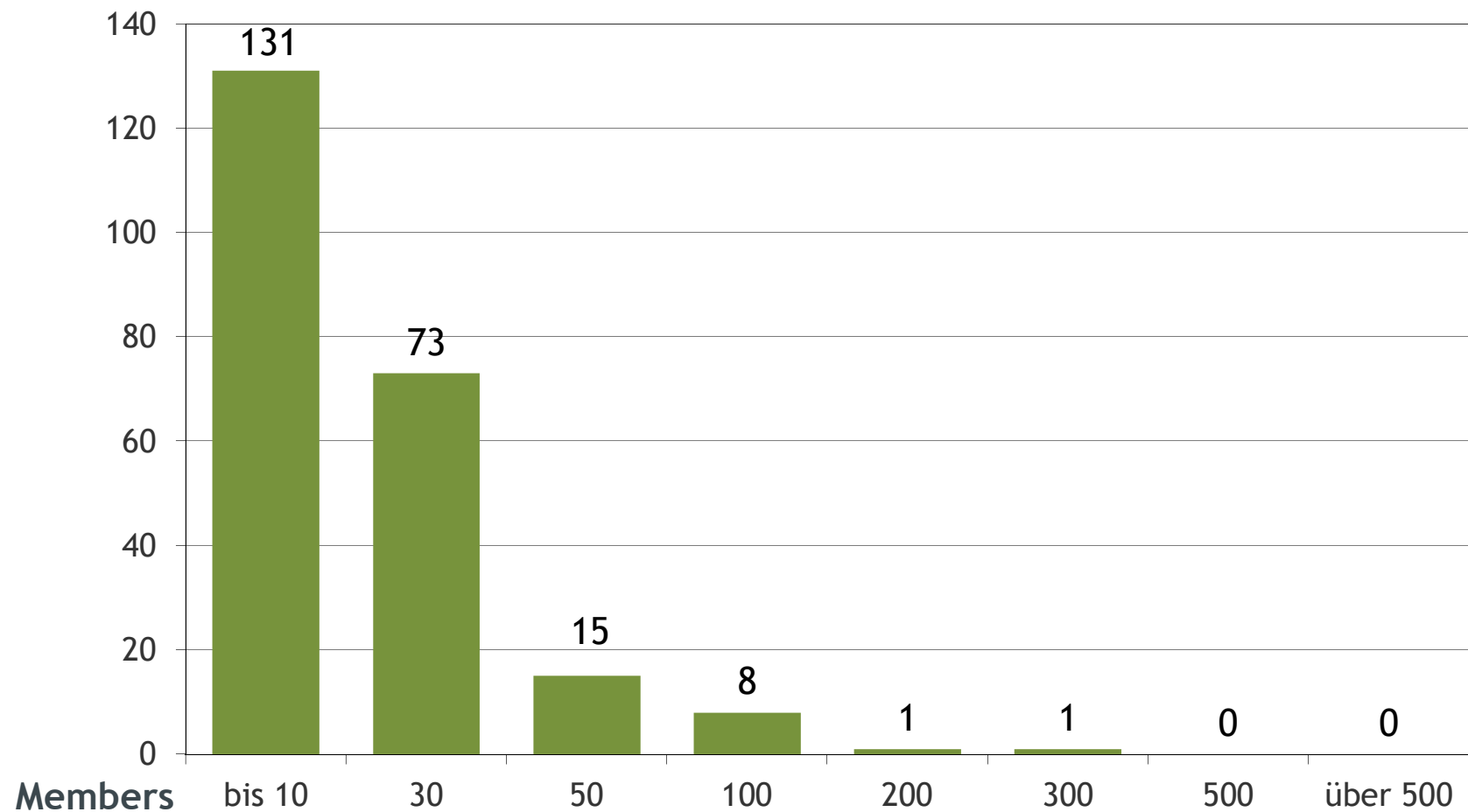


Stand: März 2015

WATER COOPERATIVES

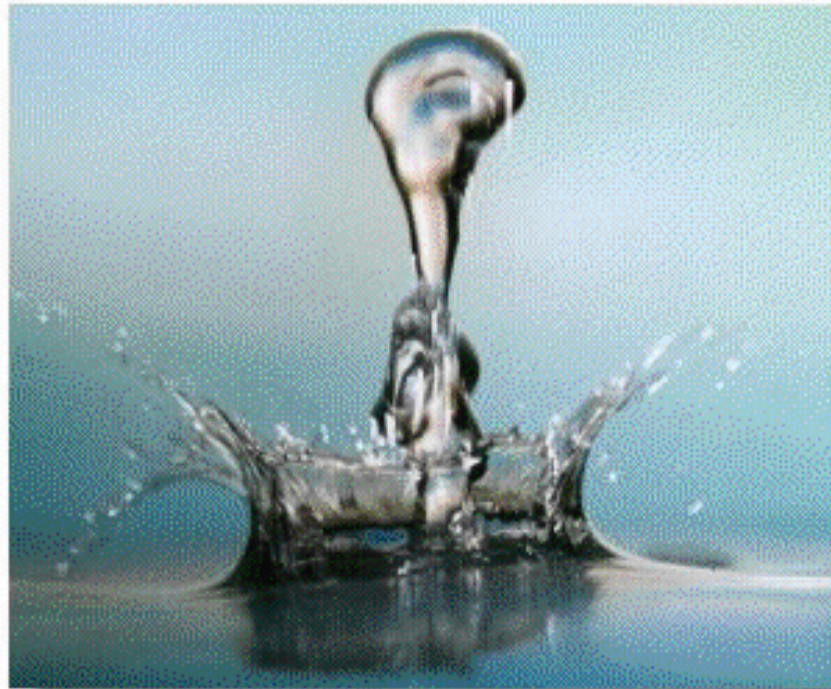


Member structure of waste water cooperatives



Stand: 16. März 2015

UMBRELLA ORGANISATION UPPER AUSTRIA WATER



Umbrella organisation for Water Cooperatives and
Water User Associations and Communities

UMBRELLA ORGANISATION



- Members: - 1885 water cooperatives (1030 for water supply, 254 for waste water, 538 for drainage, melioration and flood-control, irrigation)
 - **State of Upper Austria**
 - Chamber of Agriculture
 - 46 Communities
- Organs: General assembly,
Board of Directors and Executive Board
- Objective: Guarantee efficient water cooperatives
(water supply, waste water treatment,
melioration, irrigation, flood protection)
- Financing: Member fees and pay on results
- Control: annual check and audit

UPPER AUSTRIA WATER UMBRELLA



Objectives/1:

- Team work **with one voice**, pool of ideas and resources for sustainability
- Help in procuring spare parts and equipment - **pooling**
- Support, organise and maintain **training opportunities** and **facilities for instruction**
- Further **education**

UPPER AUSTRIA WATER UMBRELLA



Objectives/2:

- **Act as trustees** of documents
- Act as an arm **representing the interests** of member schemes/authorities

**"Networking" the member schemes
of UPPER AUSTRIA WATER**

UPPER AUSTRIA WATER UMBRELLA



Education programme

Basic programme for

- chairpersons
- cashiers
- controllers
- water managers
- scheme operators
- tap attendants
- public relation



April 18

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UPPER AUSTRIA WATER UMBRELLA



Advanced Education programme

- Rules
- Planning and Design
- Water storage
- Water quality check and testing
- Risk Management
- Third-party insurance
- Operation and maintenance
- Water exploration
- Information events
- Water Safety Plan



WATERLOGBOOK



- basic datas
- OM documentation
- risk assessment
- emergency support
- anual documentation
- reporting

wasserLOGbuch Betriebs- und Wartungsbuch & Wassersicherheitsplan 2011
→ Übersicht

Speichern unter | Speichern und beenden | ↑ | Zoom + | Zoom - | Zoom 100% | Bericht drucken

Bestandsaufnahme (inkl. Stammdaten nach ÖVGW W85)

A.1. Allgemeine Daten & Organisation	A.2. Bescheide/Vorschreibungen	A.3. Verordnungen
I. Übersichtspläne	B. Wassergewinnungsgebiete	B.x. Wassergewinnungsstelle
C. Wasserabgabe- & -übernahmestelle	D. Speicherbauwerk	E. Zubringer- & Versorgungsleitungen
F. Anschlussleitungen	G. Schacht- & Sonderbauwerke	H. Aufbereitungsanlage
Schieberliste	Rohrnetzdatei	
K. Strukturdaten	Wassermengenbilanz	L. Schadensstatistik
J. Funktionsbeschreibung	Notfallplan	Notfallalarmierung

Gefahrenbeurteilung

Gefahren auflisten	Gefahrenbewertung	Maßnahmen
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Erfolgskontrolle und Jahresbeurteilung

Erfolgskontrolle	Inspektion und Wartung
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Betriebs- & Wartungsblätter

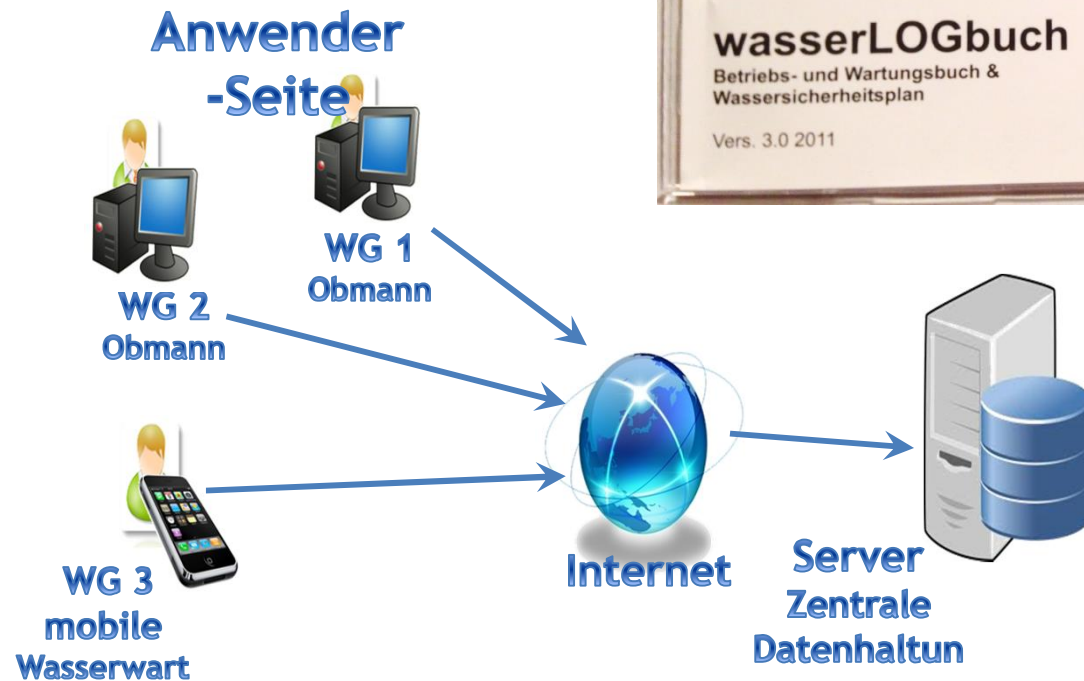
Speicherbauwerk	Brunnen	Wasserpumpe
Leitungsnetz Schadensstatistik	Quelle	Hauptwasserzähler
Leitungsnetz Überprüfung		

Jahresüberblick	Änderungsprotokoll
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UPPER AUSTRIA WATER UMBRELLA



WaterLOGbook for OM and WSP



April 18

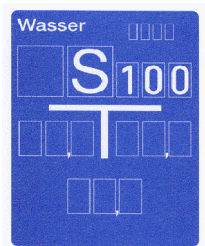
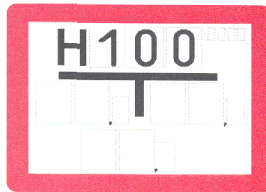
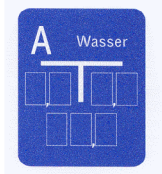
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UPPER AUSTRIA WATER UMBRELLA



A compendium of our pooling program:



isführung:

Bügel offen
Bodenmontage
ater - Ai

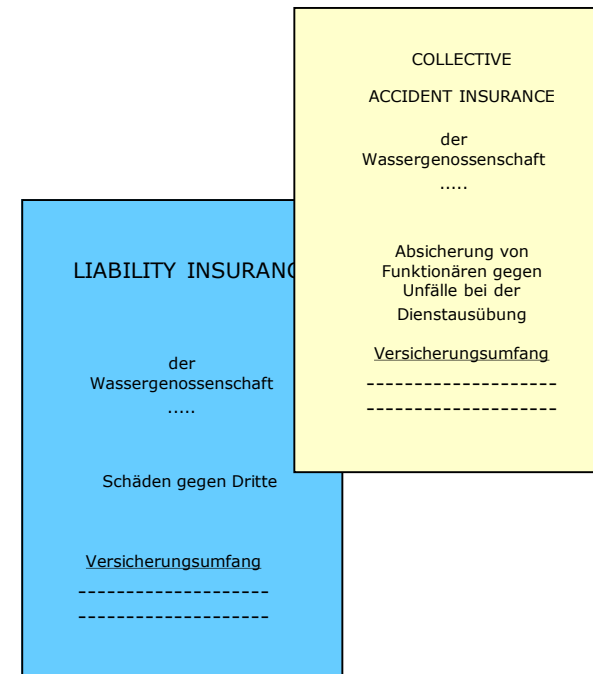


UPPER AUSTRIA WATER UMBRELLA



Group insurance

- Group third-party insurance
- Collective functionary accident insurance
- Claims processing
- Form library

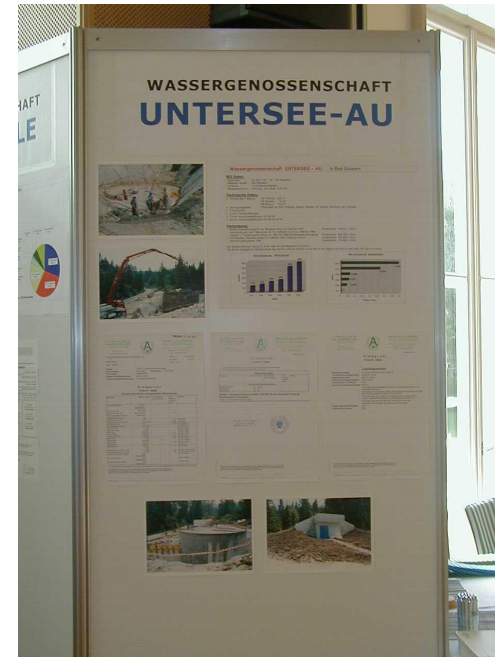


UPPER AUSTRIA WATER UMBRELLA



Public relations around drinking water

Representation of interests of water supply cooperatives in public



Events and initiatives for our drinking water

Consultations and presentations

UPPER AUSTRIA WATER UMBRELLA



www.ooewasser.at
information 24 hours per day

www.wasserwerk.at

OÖ WASSER

WASSERWERK.at ÖVGW

OÖ WASSER intern

Benutzername

Passwort

Login

Passwort vergessen?

OÖ WASSER intern Trinkwasser Abwasser Entwässerung Bewässerung Wir über uns

WIR SIND WASSER

Der Dachverband präsentiert die OÖ WASSER-Idee mit ihren Aktivitäten und bietet Ihnen auf dieser Website Informationen zu den Wassergenossenschaften und ihren Aufgaben.

Aktuelle Veranstaltungen

03.10.13 | Linz | 2013021
Wasserzählerwechsel selbst gemacht
normgerechte Ausführung, Haftung, Fernstudie u.v.m.

07.10.13 | Mondsee | 2013022
WASSERwart/in Grundkurs ab 10 m³/Tag Wasserverbrauch
Grundschulung für Betreiber von Wasserversorgungsanlagen.

10.10.13 | Mondsee | 2013023
WASSERwart/in Grundkurs bis 10 m³/Tag Wasserverbrauch
wird nur für Kleinanlagen als Schulungsnachweis anerkannt!

15.10.13 | Vorchdorf | 2013024
OÖ abWASSERtag
Erfahrungsaustausch, Besichtigung von Anlagen, Gesetze u. Normen ...

OÖ WASSER aktuell

12.06.13
VOR SORGEN! Vorsorge-Check

11.06.13
Kochtopf statt Mistkübel mit Trinkwasserverkostung

07.06.13
Trinkwasserpakete für Goldwörth und Walding

07.06.13
TOAR Ing. Heinrich Eltz ist versorben

Quicklinks

- Wassergenossenschaften online
- OÖ WASSER Vorstand und Aufsichtsrat
- Bestellformular für Mitglieder
- Kurzfilm_Laborbus.flv [17964 KB]

Downloads

- Versammlungsunterlagen; Einladung zur Mitgliederversammlung DOC - 0,02 MB
- Leistungsantrag WG PDF - 0,5 MB
- Ratgeber Hausbrunnen PDF - 5,5 MB
- Unterrichtsmaterialien Wasserwerkstatt PDF - 0,1 MB

Wasser ist ein wertvolles Gut.

Wasser gewinnt immer mehr an Bedeutung. Sein Wert und seine Attraktivität haben in der letzten Zeit stark zugenommen. Österreich ist in der glücklichen Lage, mehr als 90% der wichtigsten Ressource zur Verfügung zu haben. Für die meisten Haushalte ist es eine Selbstverständlichkeit, das „Kühle Nass“ täglich frisch und zu einem sehr geringen Preis geliefert zu bekommen. Nur die wenigsten wissen, dass Wasser in Österreich erst rund ein Jahrhundert alt ist und eine komplexe Infrastruktur dahinter steckt. Das liegt vor allem an der überwindenden Teil dieser Infrastruktur - ob Brunnen oder Behälter - unter der Erde liegt und so schwer zugänglich ist.

Der Vertreter ÖVGW (Österreichische Vereinigung für Wasser und Wasserfach) rief die Wasserwerk-Homepage ins Leben, um Ihnen die wertvolle Trinkwasserversorgung näher zu bringen. Mittlerweile hat sich diese Site als DIE Referenz etabliert. Über 40 Wasserwerke oder Verbände von ganz Österreich sind hier präsent und präsentieren sich hier.

Wenn Sie alle wissenswerten Informationen finden, besuchen Sie die Website.

Die Website „Wasserwerke“ präsentiert sich eine Auswahl österreichischer Wasserversorger. Die Website „über Wasser“ erklärt die wichtigen Zusammenhänge zwischen Mensch, Natur und Wasser. Das „WasserGlossar“ geht genau ins Detail und erklärt die wichtigsten Begriffe im Zusammenhang mit Wasser. Der Bereich „Wasserqualität“ ist die richtige Adresse für anspruchsvolle Konsumenten und Konsumentinnen, die eine hohe Qualität setzen wollen. Ausführliche Informationen zur Wasserqualität, Wasserhärte bzw. -enthärtung finden Sie ebenfalls auf dieser Website.

UPPER AUSTRIA WATER UMBRELLA



www.ooewasser.at

www.wasserwart.at

The screenshot shows a web browser window with the title 'South Western Umbrella of Water and Sanitation'. The browser's address bar shows 'www.wasserwart.at'. The website has a left sidebar with a navigation menu containing the following items: 'A strong partner', 'We are water', 'Water is life', 'swUws' (highlighted in blue), and 'Contact'. The main content area is titled 'South Western Umbrella of Water and Sanitation' and includes a 'Background' section. This section describes the South Western Towns Water and Sanitation Project (swTws), funded by the Austrian development Cooperation, which was designed to cover 19 small towns and rural growth centres (800 to 12,000 inhabitants) in the South-west of Uganda. It mentions that the project started in 1996 with a goal to decentralize operation and maintenance to the user's level, covering 47 schemes. It also notes that decentralization requires competence and capacity to solve problems related to O&M of water supply and sanitation schemes. In order to support these small schemes, several owners - Water Supply and Sanitation Boards (WSSB)/Water and Sanitation Committees (WSSC) - formed a bigger entity, the South Western Umbrella of Water and Sanitation (swUws). Below the background section is a 'Rationale for forming an umbrella organization' section, which lists three points: 'The formation swUws can be described as a process of "bottom up recentralisation" to:', 'provide specialized competence and services at a regional level', and 'take benefit from economy of scale factors'. It also states that they 'have a strong and independent voice in the interest of water users (civil society)'. Below this is a 'swUws at a glance (2008)' section, which states that there are 47 member Water and Sanitation Boards/Committees serving a population of 120,000 people, and that the membership is voluntary. It also mentions that swUws is financed by the government and membership fees. The website features two images: a landscape photo of a 'Typical small town/rural growth centre in the South-West of Uganda' and a group photo of people standing under a large, colorful umbrella. A smaller photo of three men is also visible at the bottom right.

South Western Umbrella of Water and Sanitation

- A strong partner
- We are water
- Water is life
- **swUws**
- Contact

South Western Umbrella of Water and Sanitation

Background

The South Western Towns Water and Sanitation Project (swTws) funded by the Austrian development Cooperation was designed to cover 19 small towns and rural growth centres (800 to 12,000 inhabitants) in the South-west of Uganda. The project started in 1996 with a very ambitious goal to decentralize operation and maintenance to the user's level. Meanwhile it covers 47 schemes. Decentralization needs a certain competence and capacity to solve problems related to O&M of water supply and sanitation schemes. In order to support these small schemes of rural growth centres with required competence several owners - Water Supply and Sanitation Boards (WSSB)/Water and Sanitation Committees (WSSC) - formed a bigger entity, the **South Western Umbrella of Water and Sanitation (swUws)**.

Rationale for forming an umbrella organization

- The formation swUws can be described as a process of "bottom up recentralisation" to:
- provide specialized competence and services at a regional level
- take benefit from economy of scale factors
- have a strong and independent voice in the interest of water users (civil society)

swUws at a glance (2008)

47 member Water and Sanitation Boards/Committees serving a population of 120,000 people. The membership is voluntary. swUws is financed by:

- government
- membership fees

Typical small town/rural growth centre in the South-West of Uganda

UA WATER ADVISORY GROUP



Objectives:

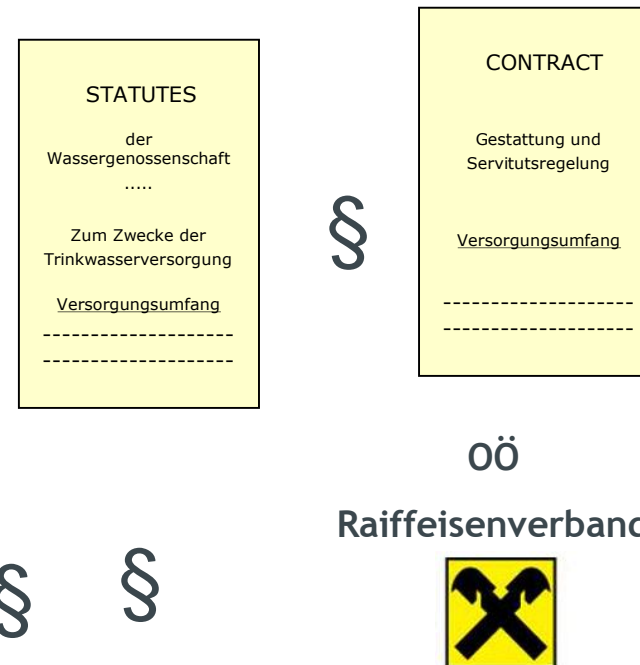
- Offer services beyond easy reach of individual schemes e.g.: re-installation of equipment; spring catchment
- Offer legal and organisational advice and monitoring of facilities
- Help ensure autonomy of member schemes, bridge the gap between water users and the authority
- Auditing of the technical and hygienical standards

TASKS UAW ADVISORY GROUP



Legal Consulting and support

- Model statutes
- Model contracts
- Consulting in legal questions and problems



Wasserrechtsgesetz 1959
(Water right law)

TASKS UAW ADVISORY GROUP



Technical and economical consulting



Technical and **economical consulting** in founding and operation

Participation and **representation** in authority proceedings

Coaching at decision making

Auditing of the technical and hygienical standards (legal obligation due to WaterAct)



TASKS UPPER AUSTRIA WATER



Fiscal and financial Consulting

- Contracts of sale / lease
- Purchase tax law
- Government aid
- Contact points
- Financial Consulting

DECLARATION
der
Wassergenossenschaft
.....

Zum Zwecke der
Trinkwasserversorgung
Versorgungsumfang



CONTRACT

Gestattung und
Servitutsregelung

Versorgungsumfang

oö

Raiffeisenverband



deduction of input tax

ATU tax number

TASKS UAW ADVISORY GROUP



Coordination of pipe holders

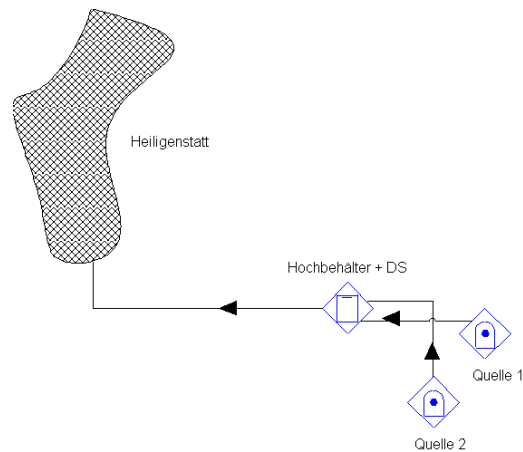


- Plan administration
- Contact point for pipe holders
- Consulting
- Representation of interests

TASKS UAW ADVISORY GROUP

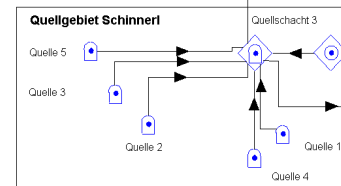
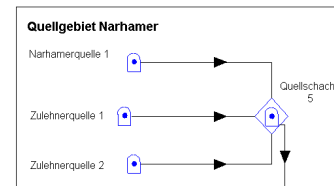


Water supply systems - general view

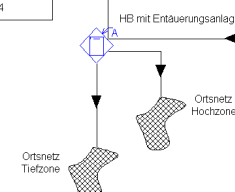
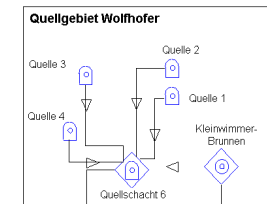


Wassergenossenschaft Heiligenstatt	
Bezirk:	Braunau
Gemeinde:	Lengau
Erfasst von:	D.I. Friedrich Waltenberger
am:	12.10.2002
geändert:	

	Brunnen
	Quelle
	Quellaustrittsstelle
	Aufbereitungsanlage
	Speicherbauwerk
	Wasserabgabestelle
	Sonderbauwerk
	Versorgungsgebiet



Wassergenossenschaft Tragwein	
Bezirk:	Freistadt
Gegründet:	1939
Anzahl der Mitglieder:	420
Versorgte Einwohner:	1400
Anlagenteile:	2 Bohrbrunnen
	4 Quellsammelschächte
	13 Quellsammlungen
	1 Hochbehälter mit Entsäuerungsanlage und Drucksteigerung
	1 Tiefbehälter
	2 Versorgungszonen

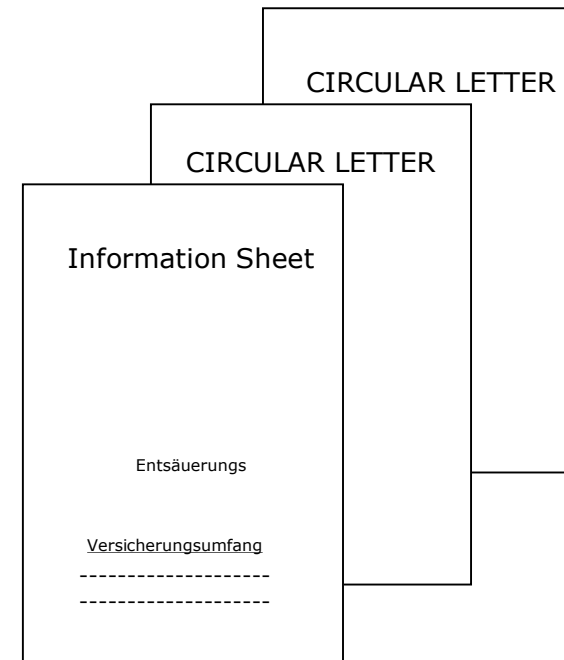


TASKS UAW ADVISORY GROUP



Work support, information,...

- Information sheets to important expertise topics
- Regularly circular letters
- Provision of work support
- Enquiry to special topics, checklists,...
- Excerpts of specialised library



TASKS UAW ADVISORY GROUP

Spring tapping service

Experts for every water supply cooperative are on duty for the whole state of Upper Austria



TASKS UAW ADVISORY GROUP



Leak detection

Water-loss analysis by data logger and electronic evaluation

Locating of valve caps and pipes

Measuring flow rates and pressure

Waterpackages in emergency cases

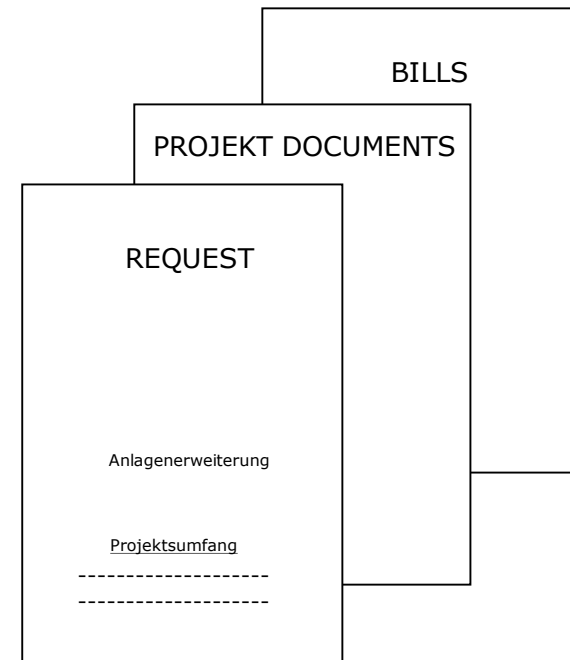


TASKS UAW ADVISORY GROUP

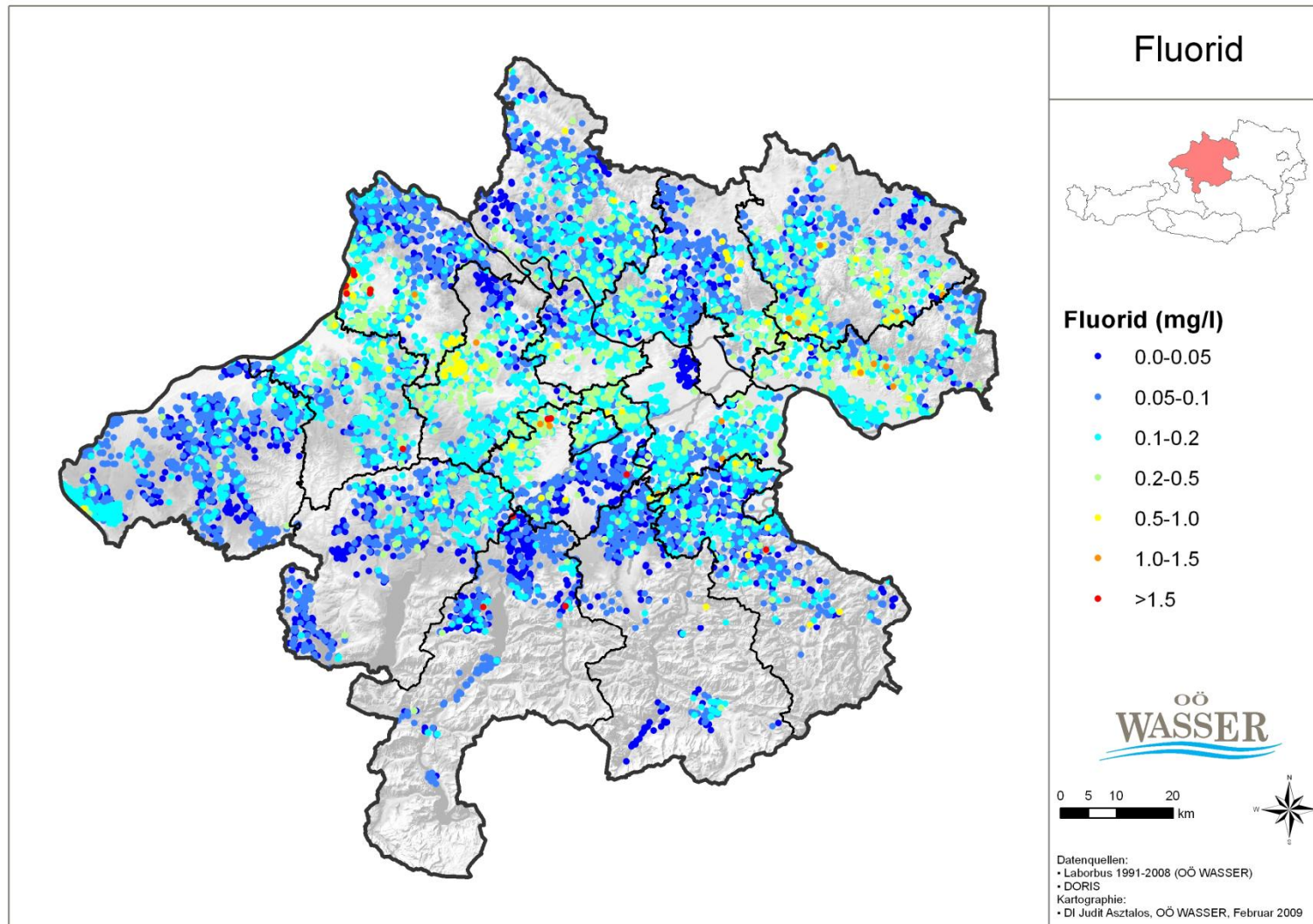


Promotion and financial support

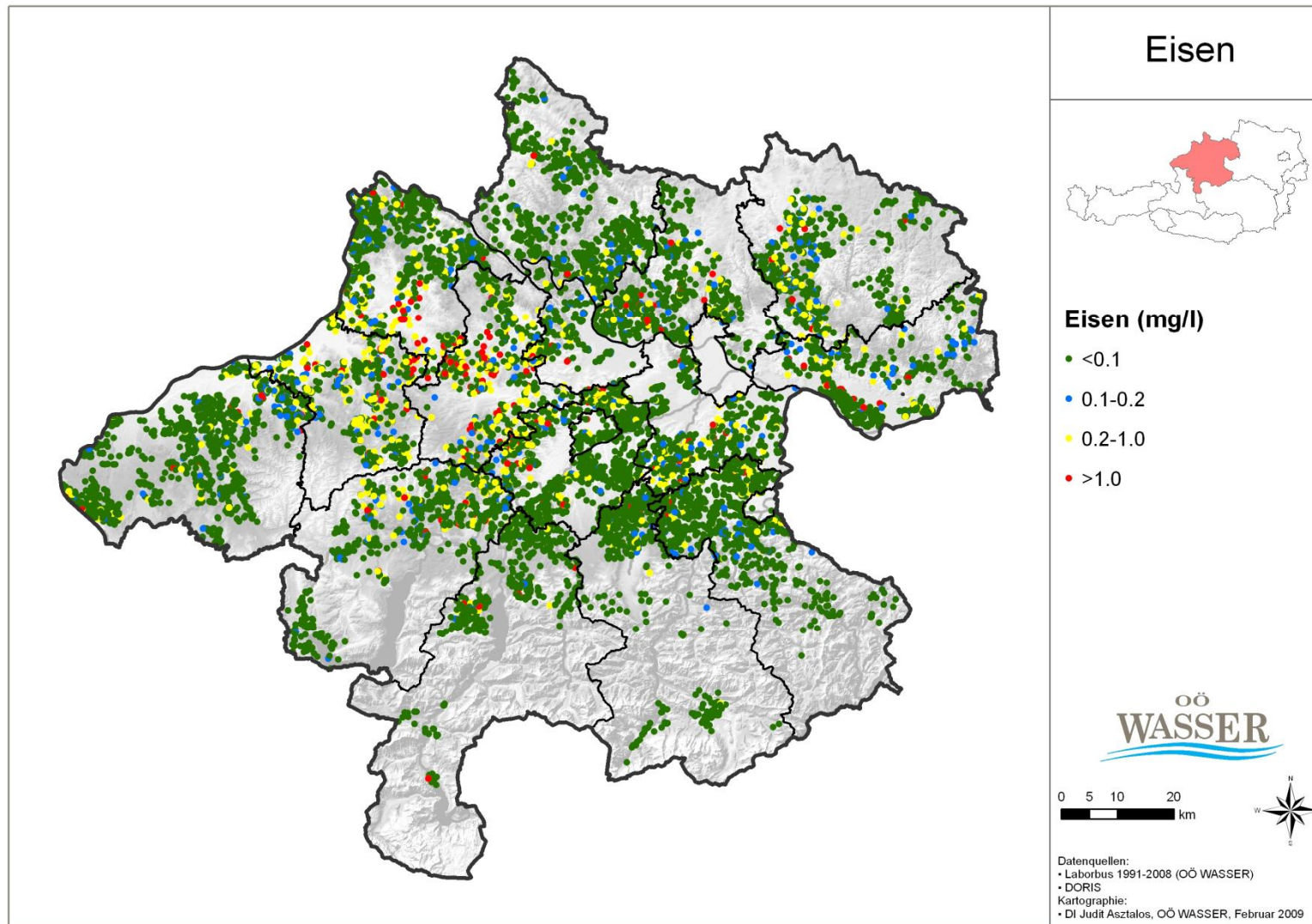
- Overview over promotion sites at public offices
- Subsidies for extraordinary financial burden
- Help for collection of documents
- Help for handling of promotion
- Contact to promotion sites



TASKS UAW ADVISORY GROUP



TASKS UAW ADVISORY GROUP



UPPER AUSTRIA WATER GUARANTEE



To Upper Austrian population in rural area

- high quality water supplying
- self determined
- cost effective
- independent
- local
- crises proof
- adapted solutions
- the previous experience shows that this is a successful chance for the future





THANK YOU!

Dipl.-Ing. Wolfgang Aichlseder