

Participation of voluntary organizations in a national program of disaster prevention against flooding



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DLRG as a part of disaster prevention in Germany

No community can afford to hold a greater number of qualified personal available only in stand by for occasions that are often unexpected and occur in not foreseen sequences.

Therefor,

to minimize the loss of life and goods by maximum effects and minimum costs:

Create, educate and train a minimum part of the population to act as efficient voluntaries in prevention and in defending disaster situations of flooding



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The work aims to the target, that by minimum costs and maximum effect, necessary help is available at any time in areas of distress.

This is a cooperation program of national authorities, governmental and voluntary non governmental organizations



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DLRG as a part of disaster prevention in Germany

The local Risk Prevention is in the responsibility of the local authority, the administrative district or the city.

The administration cooperates with the following organisations:

- Professional Fire Service
- Voluntary Fire Brigade
- Professional Rescue Service
- Relief Organisations (voluntary) for example Red Cross or DLRG



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DLRG: German Lifesaving Society

Legal Form

- incorporated welfare society
- non-govermental organisation
- World's largest voluntary water rescue organisation (1 000 000) members and supporters)

Targets

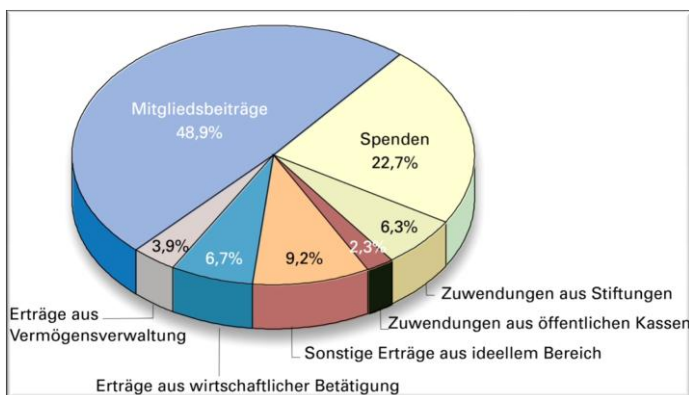
- Water safety informations
- Education in swimming, lifesaving and first aid
- Organisation of water rescue services in Germany
- Lifesaving Sports



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DLRG: German Lifesaving Society

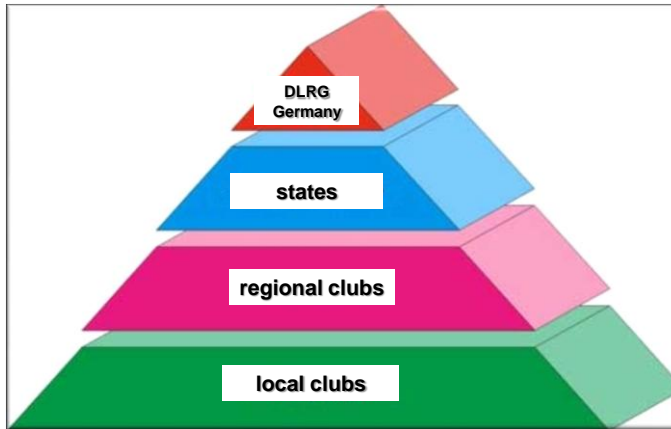
Finances 2009



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DLRG: German Lifesaving Society

Structure



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Total amount of voluntary work 2009

Education

Swimming / Lifesaving 1.608.402 hours

Education

others 863.358 hours

Rescueservice 2.229.400 hours

Maintenance of equipment 519.909 hours

Organisation 1.451.995 hours



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DLRG: German Lifesaving Society

Education: Total number of certificates 1951-2009

Swimming	21.335.468
Lifesaving	4.318.936
First Aid	2.062.100
Rescues:	64.568

Education: Number of certificates 2009

Swimming	151.804
Lifesaving	56.805



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Risk of Drowning in Germany 2009

474 drownings

+ 723 successfull rescues

1197 ~ 1.200



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The System of Risk Prevention in Germany

Small rescue units responsible for local operations



DLRG Rescue Boats on duty



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Small rescue units responsible for local operations



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The System of Risk Prevention in Germany

Disaster Prevention

The Disaster Prevention is in the responsibility of the 16 Federal States.

The Federal States cooperate with the following organisations:

- Professional Fire Service
- Voluntary Fire Brigade
- Rescue Service (professional)
- Relief Organisations (voluntary) for example Red Cross or DLRG



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In cases of extensive danger situations, affecting more than one Federal State, the Federal Republic supports with own organisations

Technical Relief Organisation (THW)

- Armed Forces
- Federal Police



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The System of Risk Prevention in Germany

How is DLRG integrated in this system in Germany?

DLRG has nation-wide 2009:

- 55.000 voluntary members in the areas of water rescue service, disaster prevention and ambulance service
- More than 100 special rescue platoons
- 3270 rescue divers
- 1405 motor rescue boats



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The System of Risk Prevention in Germany

How is DLRG integrated in this system in Germany?

The voluntary helpers can be alerted day and night by the rescue centre. They leave their work or private activity and drive to the DLRG-Station, where they get into the operation car and drive to the emergency place.

Possibilities for operations are:

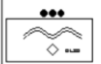


















- Boat capsizing on rivers or lakes
- Drowning people
- Ice accidents etc.

In cases of disaster the voluntary helpers of DLRG are assembled to special units. These water rescue platoons consist of approximately 30 helpers with 6 vehicles and 4 rescue boats – rescue divers are included. The needed number of units drive well organised to the disaster area.



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The System of Risk Prevention in Germany

		Der Wasserrettungszug der DLRG		WRZ STAB- Nr.: Stand:	
1. Führungs- / Zuggruppe 	1 1 1 3 +2 6	 TrKW			ZPu ZTrPu KF 3 Reserve
Die Wasserrettungsgruppe (TE 2.1) besteht aus					
2.11 Bootstrupp 	1 3 4 +2 6	 MTW			OrPu KF Reserve
2.12 Rettungsschwimmerstrupp 	1 3 4 +2 6	 MTW			TrPu KF Reserve
Wasserrettungsgruppe 2.2 wie Wasserrettungsgruppe 2.1					
Die dritte Gruppe besteht variabel aus einer der folgenden Gruppen					
3.1 Fachgruppe Sanitätsdienst	1 3 4	 KtW			OrPu KF 3 Reserve
	+2 6	 MTW			TrPu KF 3 Reserve

Structure and aims of DLRG water rescue operations

Specialised DLRG water rescue platoon



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The System of Risk Prevention in Germany

Structure and aims of DLRG water rescue operations

Specialised DLRG water rescue units



Water rescue platoon: DLRG Stade



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Structure and aims of DLRG water rescue operations

In case of actions in more than one Federal States DLRG operates with the Alarming and Coordination Centre in the DLRG Headquarters in Bad Nenndorf.



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Education for voluntary helpers – Rescue Divers

60	Rescue Dive Instructor	Responsible for all below mentioned diving educations
12	Rescue Dive Master	Responsible for operational management at diving locations
12	Rescue Diver for Disasters	Educated for special missions in disasters; e.g. protection of dykes with synthetic films
	Rescue Diver II	Educated for rescue missions and working under water using special tools down to 30 m
120	Rescue Diver I	Educated for search and rescue missions in swallow and clear water down to 10 m
24	Paramedic	
12	Lifeguard incl. Rescue Basics Educ.	
28	Int. Lifesaver incl. First Aid Education	

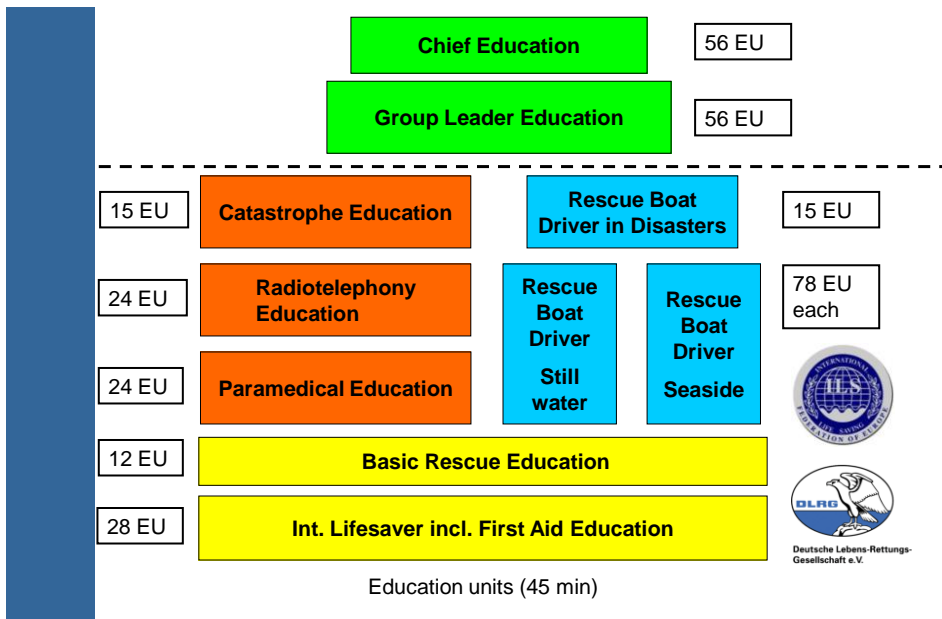
24 = Education units (45 min)



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The System of Risk Prevention in Germany

Education for voluntary helpers



DLRG as a part of disaster prevention in Europe

Europewide Integration

DLRG is integrated in the EU-Disaster-Operation-Concept. In disaster situations in other countries units of DLRG can operate in other countries in cooperation with other German organisations.

It should be our goal in the International Life Saving Federation of Europe (ILSE) to establish a cooperation of several European lifesaving organisations in case of great disaster situations in one or more of our countries.



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Experiences with Flood Disasters in Europe

Storm Tides



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Experiences with Flood Disasters in Europe

Heavy rainfall



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Experiences with Flood Disasters in Europe

Flooding of rivers after snowmelt



Cologne



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Casestudy: DLRG in operation at the river Elbe

For explaining the different tasks of DLRG in case of a flood disaster, I present the operations at the flood disaster at the rivers Elbe and Mulde in August 2002 as an example.

Altogether:

- 4500 DLRG helpers were in action, including
- 400 rescue divers and
- 200 motor rescue boats



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DLRG in operation at the river Elbe

- **Support** of the Operational Command with rescue experts.
- **Rescuing** of humans and searching of missing persons in the flooded areas with rescue boats, lifesavers and rescue divers.
- **Evacuation** of persons from these areas.
- **Medical care** to victims and other helpers by doctors and paramedical.
- **Food supply** with field kitchens.
- **Transport** service by boats in the flooded areas.
- **Fire prevention** in cooperation with the fire brigade.
- **Rescuing** of domestic-, farm- and wild animals by rescue boats.
- **Transport** of helpers and material – like sandbags – on the water.
- **Protection** of helpers of other organisations at and on the water.
- **Filling and stacking of sandbags.**
- **Protection** and removing of dangerous good, flotsam and oil tanks in/from the water.
- **Technical aid** on and in the water by rescue divers, for instance by closing of a channel entrance.
- **Checking of dykes** by rescue boats at the water front.
- **Protection of dykes** by laying of synthetic films at the water front.



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Experiences with Flood Disasters in Europe

Flooding of rivers after snowmelt



*Flood Disaster
River Elbe*

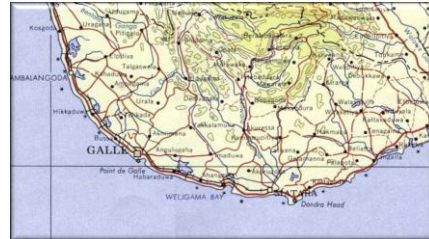


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DLRG activities during the tsunami-disaster



Weligama Bezirk Galle



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DLRG activities during the tsunami-disaster



Medical Care,
Sri Lanka



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Participation of voluntary organizations in a national program of disaster prevention against flooding

Monitoring the work is an on going process

Evidence of the work is on hand during every incident that needs action.

Benefits for the population is safety as far as possible

Continues work has to be done to achieve safety further on



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The work has the ability to be replicated in other areas

The main challenges in implementing the work is to motivate a sufficient and qualified amount of people to spend time and efforts into a job without payment.

Same efforts, on continues high standard, are needed to continue the work in future.

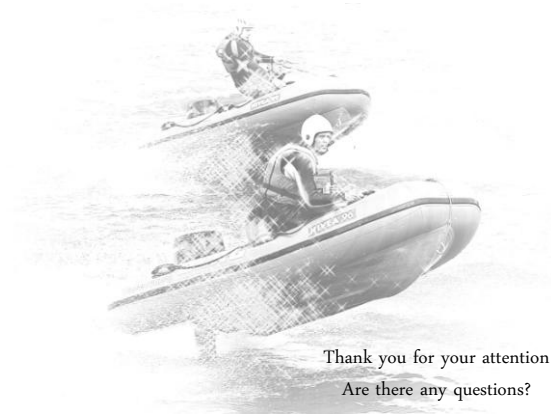
At least in Europe, some of the country do have similar organization structures.

Voluntary work is often a basis for safety, which can not be provided by government to such an extend.



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Thank you for your attention
Are there any questions?



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