


FACTSHEET RISK REDUCTION MEASURES	
<b>VIZ24 mobile application for support the protection against the pluvial flood</b>	
<b>Where was it implemented?</b>	 <p>Source: Screenshot from VIZ24 mobile application</p>
Territory of MTDWD (KÖTIVIZIG) Hungary	
<b>Fields of action</b>	
<ul style="list-style-type: none"> <li>• Settlement area</li> <li>• Watercourses and open space</li> </ul>	
<b>Related to measure from the catalogue of measures</b>	
<ul style="list-style-type: none"> <li>• Implementation and usage of early warning systems incl. collection and assessment of supplementing information</li> </ul>	
<b>Area characterisation</b>	<ul style="list-style-type: none"> <li>• <b>Area type:</b> urban, semi-urban</li> <li>• <b>Landscape type:</b> lowland (but also usable in hilly and mountainous areas)</li> </ul>
<b>Problem</b>	
<p>The municipalities are responsible for the protection against pluvial flood in urban area. Every municipality has water management plans for pluvial flood situation. The plans contain the most important data for the risk reduction in case of pluvial flood. But these documents are placed physically in the buildings of the municipalities, so these huge documents practically can hardly be used in a pluvial flood situation.</p>	
<b>Description and aim</b>	
<p>Our aim was to create an application for mobiles and tablets for different systems (Android, iOS), which contains every important data for risk reduction in case of pluvial flood, and to make the defense works more smooth for people who are involved in such a situation. The application has a high quality graphic design and user interface. The users can reach the water management plans of municipalities, variable maps (GIS, picture format), phonebook, and can reach weather and rain forecasts as well. The VIZ24 mobile application contains water management plans, maps and contact lists for more than 100 settlements in the Middle Tisza District. The application is available on Google Play and App Store at the moment.</p>	
<b>Effect of measure</b>	
<p>The most significant effect of the measure is to support protection and defense against pluvial floods in urban areas. The people who are involved in flood defense cases can reach every important information via their mobiles and tablets.</p>	
<b>Description of implementation</b>	
<b>Effect horizon:</b> medium / long-term	<b>Involved stakeholders:</b> municipalities
<b>Implementation:</b> between 12/2018 and 05/2019; database refreshing is continuous.	<b>Initiator / responsible</b> Middle Tisza District Water Directorate

Lessons-learned	
<p><b>Main success factor:</b> Raising awareness for municipalities. Continuous maintenance of the system.</p>	<p><b>Main challenge:</b> Continuous maintenance of the system and the appropriate GIS database.</p>
<p><b>Synergies / beneficial aspects:</b> The protection against pluvial floods in urban areas is strongly connected to the protection in rural areas, which responsibility is taken by the territorial water directorate (here KÖTIVIZIG).</p>	<p><b>Conflicts / Constraints:</b> The quality of the water management plans define the utility of application.</p>
Key message to others starting with a similar task	
<p>The application requires strongly updating data and continuous maintenances of the system. The utilization of the application depends on the quality of the uploaded documents and plans.</p>	
Further information	Contact
<p>The application can be found here: <a href="https://play.google.com/store/apps/details?id=com.viz24.technocrats">https://play.google.com/store/apps/details?id=com.viz24.technocrats</a></p>	<p>Middle Tisza District Water Directorate Gábor Harsányi Head of Karcag Department <a href="mailto:harsanyi.gabor@kotivizig.hu">harsanyi.gabor@kotivizig.hu</a></p>

The screenshot shows the Víz 24 web application interface. The browser address bar displays 'admin.viz24.hu/document/index'. The application has a dark blue sidebar with navigation options: Riasztások, Térkép adatok, Segédletek, Dokumentumok, Tudakozó, Órjárások, Napló, Felhasználók, and Kilépés. The main content area shows a list of documents with columns for location, document type, filename, thumbnail, date, and actions (Szerkesztés, Törölés). The table contains the following data:

Location	Document Type	Filename	Thumbnail	Date	Actions
Cibakháza	Beavatkozási tervek	beavatkozási tervek.jpg	[Map thumbnail]	2019. 09. 25 13:47:33	Szerkesztés, Törölés
Csataszög (nagykörű)	Beavatkozási tervek	beavatkozási tervek.jpg	[Map thumbnail]	2019. 09. 26 07:30:04	Szerkesztés, Törölés
Csataszög (nagykörű)	Helyszínrajzok, térképek	Nagykörű-Csataszög csap.víz elvezetése h.rajz.pdf	[PDF thumbnail]	2019. 09. 26 07:29:02	Szerkesztés, Törölés
Csemő	Eihárítási, védelmi tervek	Vízkérelhárítási tervek.pdf	[PDF thumbnail]	2019. 09. 17 16:57:29	Szerkesztés, Törölés

Source: Screenshot from <https://admin.viz24.hu/>