



# TOPOLOVENI - CHECK DAM, RUMANÍA

Protección contra flujos de detritos y deslizamientos superficiales

# Topoloveni - Check Dam

## Protección contra flujos de detritos y deslizamientos superficiales

<b>Proyecto</b>	Topoloveni - Check Dam
<b>Lugar</b>	Topoloveni
<b>País</b>	Rumanía
<b>Año de instalación</b>	2010
<b>Cliente</b>	City Hall Topoloveni
<b>Ingeniería</b>	Expert Proiect 2002 S.R.L.
<b>Contratista</b>	Chirulli Andreea S.R.L.
<b>Otras empresas participantes</b>	Sächsische Bau GmbH Dresden, Sibiu Branch
<b>Situación inicial</b>	<p>The road connecting Topoloveni with the A1 Highway became compromised when the bridge foundations, supporting the highway, over the Arges River, began to erode. Initially a check dam was planned to prevent further damage to the bridge.</p>
<b>Descripción</b>	<p>To protect the bridge foundations, Geobrugg proposed and designed an alternative solution to a massive and heavy concrete check dam. With our special design, using Geobrugg debris flow barriers and Geobrugg DEBFLOW dimensioning software, two flexible check dams were designed and installed. Thanks to this unique technology, a new diversion channel was not required.</p> <p>The installed barriers were filled with rock blocks. By changing the river's hydraulic gradient and slowing down the flow of the river, further erosion of the bridge foundations was prevented.</p>
<b>Objeto protegido</b>	Carretera, Infraestructura
<b>Protección contra la corrosión</b>	Galvanizado, GEOBRUGG SUPERCOATING
<b>Altura del sistema</b>	4.5 m, 6.5 m
<b>Longitud del sistema</b>	25 m - 35 m
<b>Número de barreras</b>	2
<b>Capacidad de retención</b>	100 m³

Si tiene preguntas por favor póngase en contacto con nuestro especialista Geobrugg en su área

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**Roger Moor**

Country Manager Ost- und Zentralschweiz, Liechtenstein

Teléfono +41 71 466 81 52

Móvil +41 78 783 46 81

Roger.Moor@geobrugg.com



**Geobrugg**

info@geobrugg.com | www.geobrugg.com

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