

# WATERCARE

Water management solutions for reducing microbial  
environment impact in coastal areas

Dubrovnik-Neretva Region

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# Monitoring of the quality of the bathing sea water in EU

- Directive of the European Parliament and of the Council concerning the management of bathing water quality 2006/7/EC

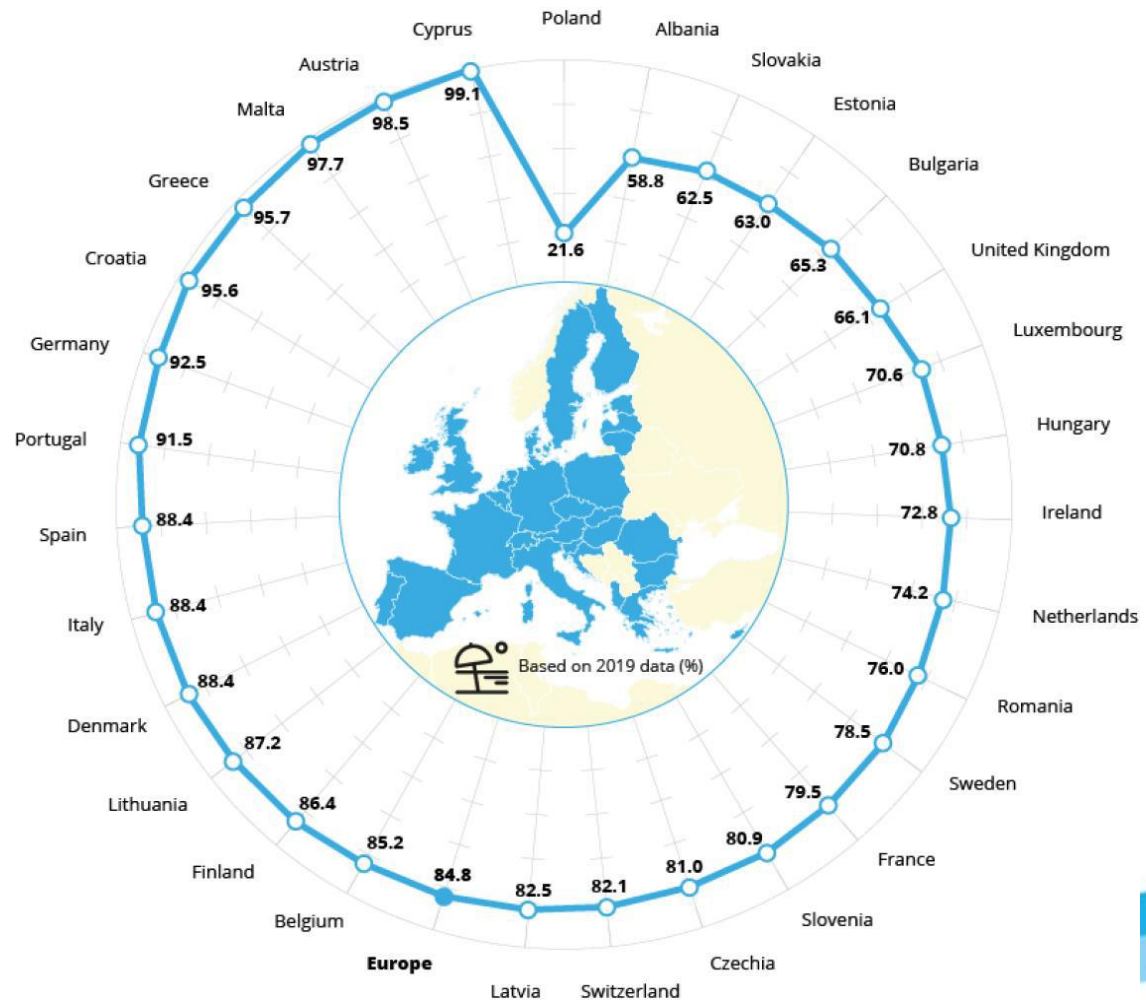
➤ *Escherichia coli*

➤ intestinal enterococci



# Monitoring of the quality of the bathing sea water in EU

Proportion of bathing waters with excellent quality in European countries in 2019



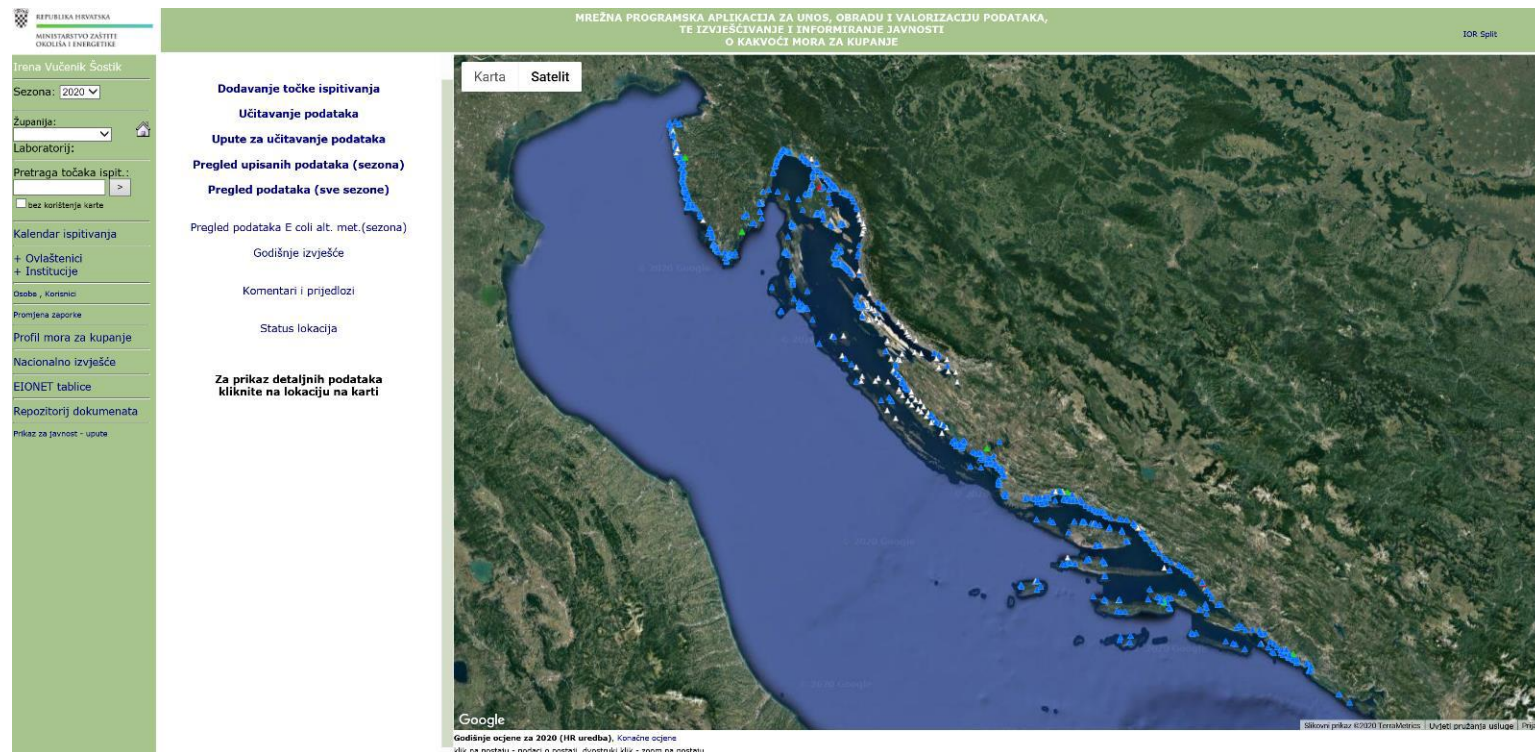


# Monitoring of the quality of the bathing sea water in Croatia

Bathing water quality  
in 2020:

Total number of  
bathing waters:  
**941**

Excellent quality:  
**97,90%**



Regulation on Sea bathing water quality (OG 73/08) issues **no sea sampling during heavy rains, strong winds, high waves, or proliferation of macroalgae / phytoplankton**. All samples are sampled during good metrological conditions.

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## Water management solutions for reducing microbial environment impact on coastal areas

### GOAL

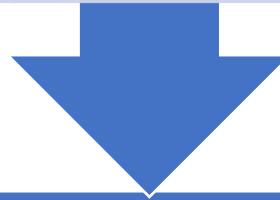
WATERCARE aims to improve the quality of the microbial and environment and resource efficiency in bathing and coastal waters reducing the microbial contamination by using innovative tools in waste management and treatment.

- Develop an innovative Water Quality Integrated System (WQIS) composed by a real time hydro-meteorological monitoring network
- Realize an ad-hoc infrastructure for bathing waters management in a pilot site through a forecast operational model
- Realize feasibility studies in other 4 target sites to improve planning and management of environmental problems of the marine system
- Develop a real-time alert system able to preventively identify the potential ecological risk from fecal contamination of bathing waters and to support governance decision processes in bathing water management

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## TARGET GROUPS

General public	Local, regional and national public authorities	Regional and local development agencies	SMEs and business supporting organizations	Associations, innovation and environmental agencies	NGOs	Education and training organizations as well as universities and research institutes
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## DISSEMINATE TACTICS

Newsletter	Leaflets	Guidelines	Media campaign (TV, newspaper, Facebook...)	Presentation at conferences	Public events	Publications in technical journals
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# WATERCARE

## BENEFICIARIES:

coastal  
zone  
managers

public  
authorities

stakeholders  
operators of the  
facilities  
tourist services,  
swimmers and bathers  
tourists and citizens...

