

  
Batumi  
AJARA

A very warm greetings from  
Batumi, Georgia







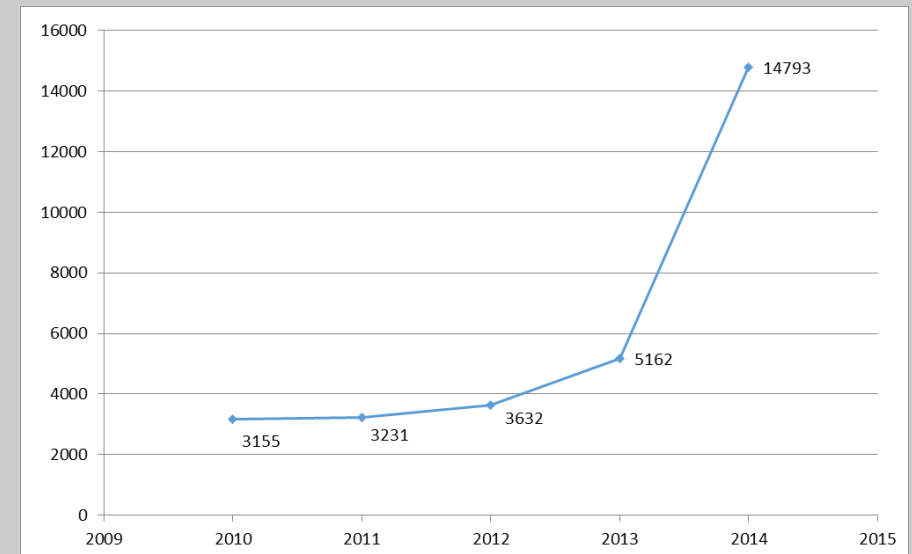
## Number of international arrivals

	2013	2014
Georgia	5 392 303	5 493 484
Ajara/Batumi (Coastal area)	1 681 603	1 557 071
Share of Ajara/Batumi (Coastal area)	31%	28%

## Number of Hotel beds

Georgia	44 298
Ajara/Batumi (Coastal area)	10 793
Share of Ajara/Batumi (Coastal area)	24%

## Cruise tourism statistics Batumi







**Argonauts**



**The birthplace of wine**



**Unique folklore**



**Cuisine**



**A unique alphabet**



# Black Sea cooperation

## Black Sea collaboration platform

- \*Harmonization of port charges
- \*Joint marketing
- \*Development of the various small ports
- \*Reduction of Bosphorus transit charges

Ports in our region that could be included in a cruise itinerary

- \*Trabzon
- \*Sinop
- \*Samsun
- \*Istanbul
- \*Burgas
- \*Varna
- \*Nessebur
- \*Odessa
- \*Sochi

# Batumi future plans

## Port redevelopment and operational practices

- \*Strengthening the existing berths.
- \*Dolphins
- \*Anchorage point
- \*Operational procedures

Marketing Manager

Rejoining MedCruise



### GEORGIA AMONG TOP 10 SAFEST COUNTRIES IN THE WORLD

"The crime rate in Georgia is reported to be very low and is exactly why it has made it to eighth place in the safest countries in the world list.

Based on the recent investigations, 98% Georgians, who took part in the survey, said that they feel 100% safe being at Georgia territory. Thus, the country goes one among the world leaders in the safety level."

*Top 10 Safest Countries In The World To Settle In 2014.*



### BEST VALUE DESTINATIONS FOR 2013

Georgia is, like its Caucasian neighbours, little known to most travellers. Those who do go come back raving about a beautiful, friendly country that offers excellent, inexpensive (though potentially waist-expanding) cuisine, typified by the near-universal khachapuri (cheese pie). In recent years the country has been speeding up its tourism development, resulting in a growing number of good-value hostels and homestays, which are great ways to meet locals as well as keep costs down. Look out for August if you're hitting Batumi or elsewhere on the Black Sea coast, but otherwise anytime is a good time to visit this up-and-coming destination where even a bus, train or marshrutka minibus ride will give jaw-dropping views worth far more than the meagre fare you're likely to be charged.

*Lonely Planet's Best in Travel 2013.*

## **The Washington Post**

### BATUMI 'MIRACLE'

This city is one of the oldest on earth, as humans lived here at least as early as the 12th century B.C. Now, it is rapidly becoming one of the most modern cities on the planet.

Batumi is the major city in the Ajara region of Georgia. Along a few-miles-long stretch of the Black Sea coast from the airport to the old city center, a string of architecturally distinctive luxury international hotels, office buildings and residences have been completed recently, and others are still under construction. Batumi is still too much of a summer tourist center. The secret of Georgia and Batumi's success is simple - less regulation, lower taxes and more freedom. That is a formula that can work everywhere.

*Richard W. Rahn*

*The Washington Times 2012.*

# Thank you very much for your attention!







Batumis Tskali

# Waste Water Treatment Plant Adlia (Batumi)

Marine Gvianidze





Batumis Tskali

- Adlia (Batumi) WWTP is in operation since 2012
- Treatment steps are: mechanical, biological, sludge collection, dewatering and drying
- 55 million m<sup>3</sup> wastewater was treated in 2012-2014
- Average daily flow is 60,000 m<sup>3</sup>







Batumis Tskali

# First mechanical treatment

2 automatic  
fine screens  
with free  
spacing of  
6 mm and each  
with a capacity  
of 1,000 l/s





# Grit and grease chambers



ბათუმის წყალი

2 separate  
parallel aerated  
grit and grease  
chambers with  
349 m<sup>3</sup> Volume





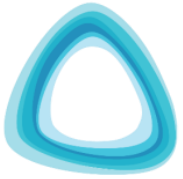


Batumis Tskali

# Anaerobic ponds with 60,000 m<sup>3</sup>

**Anaerobic ponds  
are good first  
Sedimentation  
tanks, where  
the cold stabilized  
sludge is collected**





Batumis Tskali

# Biological treatment in trickling filters with 12,252 m<sup>3</sup> Volume



In trickling filters take place  
carbon removal and  
nitrification

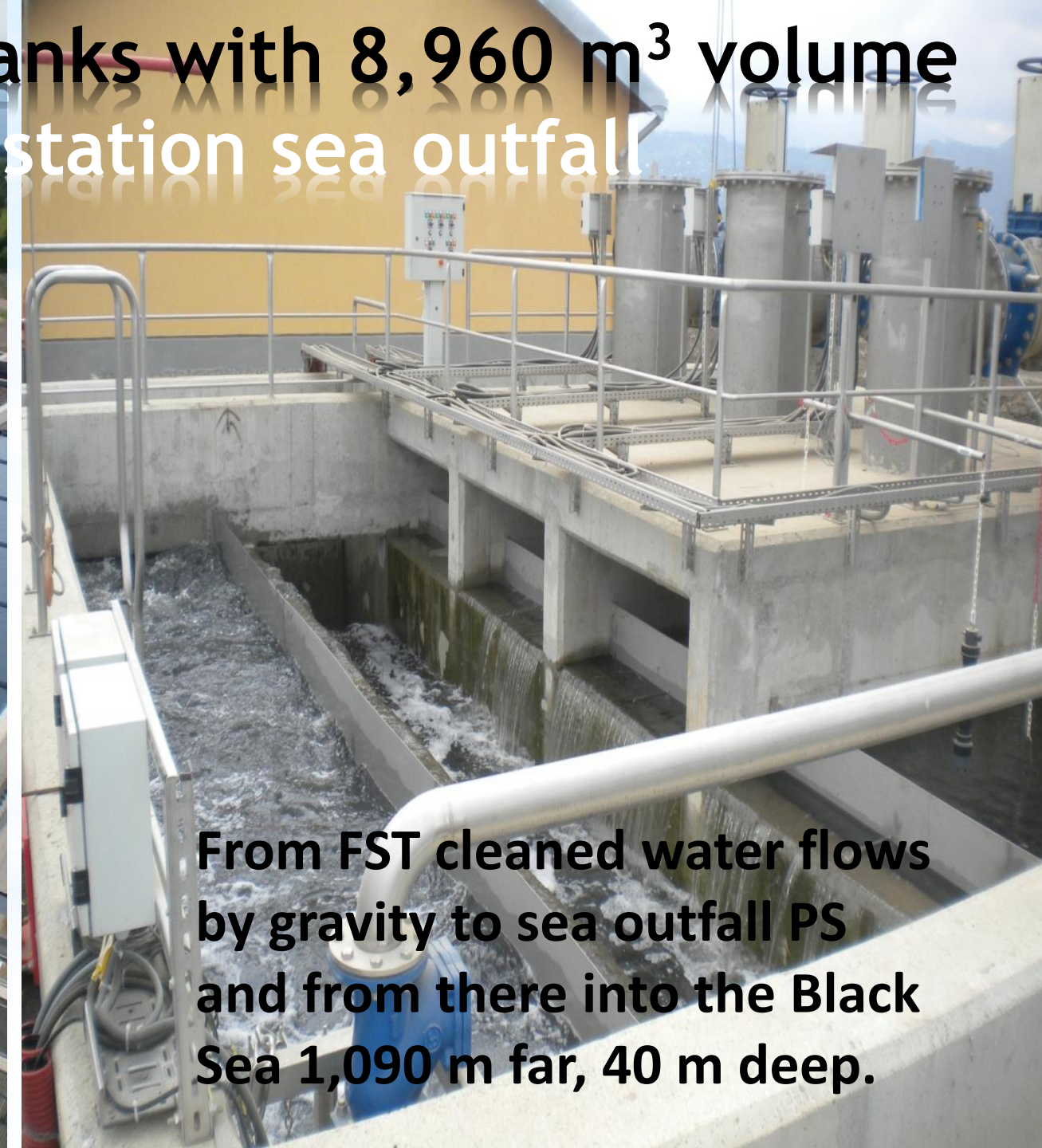




# Final Sedimentation Tanks with 8,960 m<sup>3</sup> volume and pumping station sea outfall

ბათუმის წყალთმობის სააგენტო

In FST is collecting secondary sludge, is produced in Tricking filters



From FST cleaned water flows by gravity to sea outfall PS and from there into the Black Sea 1,090 m far, 40 m deep.



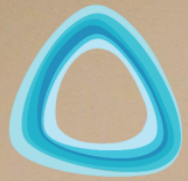


Batumis Tskali

# Biological parameters and treatment quality

Parameter mg/l	Inflow	Discharged water	EU limit
<b>COD</b>	<b>212</b>	<b>31</b>	<b>125</b>
<b>BOD</b>	<b>100</b>	<b>14</b>	<b>25</b>
<b>NH4-N</b>	<b>10</b>	<b>0,76</b>	
<b>NO3-N</b>	<b>0,4</b>	<b>11,5</b>	
<b>T-N</b>	<b>15,9</b>	<b>14,3</b>	<b>20</b>
<b>T-P</b>	<b>3,7</b>	<b>3,3</b>	<b>1</b>
<b>Suspended solids</b>	<b>109</b>	<b>17</b>	<b>35</b>
<b>Suitable solids</b>	<b>3</b>	<b>0,1</b>	





Posch+Partners  
consulting engineers

MACS  
Energy & Water  
**STRABAG**

ÇELTIKÇIOĞLU  
ŞİRKETLER GRUBU

Batumis Tskali



Project  
Innovation  
Awards



Project  
Innovation  
Awards  
Development

Award winning and innovative design of Adlia WWTP is energy efficient and is working efficiently. Cleaned wastewater discharging into the Black Sea protects the coastal environment of the Black Sea and health of locals and visitors of Batumi.





Batumis Tskali



28/10/2010 11:00 AM



# Old Adlia "WWTP"



29/12/2010 09:45 AM



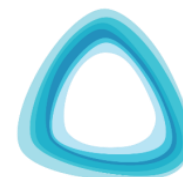
# New Adlia WWTP





**Smart & Blue** New opportunities for the blue economy of the Black Sea  
Sofia, 24 March 2015

# Cleaning Black Sea good for fish and for 'fishing' for tourists



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