



---

“ . ”

**2017**



**2018**

---

<b>1.</b>		
1.1.	( ) -	
,	,	3
1.2.	2017-2030 –	4
1.3.	/	5
1.4.		9
1.5.	,	11
1.5.1.	, , е ,	11
,	.	12
1.5.2.	, ,	12
<b>2.</b>	<b>2017</b>	16
2.1.	-	17
2.2.	-	19
<b>3.</b>		22
<b>4.</b>		24
<b>5.</b>		25
5.1.		25
5.2.		26
<b>6.</b>		27
<b>7.</b>		28
<b>8.</b>		29
<b>9.</b>		30
<b>10.</b>		31
<b>11.</b>		32





1.2.

2017-2030 –

„

IF,

( -1);

( -4);

( -5 -9).

2017 .

(DAAD)

2017 .

16 (10

) 6

2017 . 451.

23

6

EMODnet, 5 8-  
( )

2017 .

( , TOC ,  
).

ISO/IEC 17025,

, , .

NIVA

(Norwegian Institute for Water Research).

.

.

,  
40 .

, 354 29 2017 .

”

,  
(Euro-Argo)”

**1.3.** /

, / , ,

.

,

,

,

,

,

.

2017 .

-

30

( ), , , .

-33-28/31.07.2017 .

25 2017.

( )

:

14

, 2021-2030. –

“ “ ”

” “ .

2017 ,

15

( , bTV, ), 15

( , 24 , , , )

, 168 ),  
( , Petel.bg, Dir.bg, Burgas 24, Economic.bg,  
DarikNews.bg, maritime.bg, Focus, 24 .),

(ISMEIMP, MARLEN, IMAMO, BLACKSEA  
WATCH) 7

3

”  
“

Greenpeace



2017 –

’ 2017 ( -  
2017- . 12 . )



4-

„ 2017 – ” FRESH (Find Research Everywhere and Share),

2017 „ 2020”.

29 2017 „

1200 „ 2017 – ” 120

**1.4.**

;

( ) ; ( -

); ( );

;

/ ; ( , )

( , ),

;

∴ К ;

;

;

;

;  
 ;  
 – ;  
 ( ) ;  
 ;  
 ;  
 ; DATA-MEQ ( ) EUROGOOS;  
 EMODNET Steering Committee; IOC/UNESCO GOOS Steering Committee; Aquatic  
 Genetic Resources for Food and Agriculture, FAO; International Expert group for Blue  
 growth initiative for the Black Sea - DG Research & Innovation .  
 2017 .

,  
 .  
 – ,  
 .  
 ,  
 Teledyne Reson T50,  
 .  
 2017 .  
 ,  
 ,  
 ( , , ,  
 , ) ( )  
 ).

;  
 COST,  
 - „  
 2017 . « »  
 („  
 ”). &  
 ( ) „  
 “,  
 ,

:  
 ,  
 (GeoEcoMar),  
 « »  
 4 .  
**1.5.** ,  
**1.5.1.** ,  
 2017 .  
 DCR199/2008 (EC) No. 1639/2001 EC,  
 , -  
 . BS&Med Data call, EC.  
 -33-  
 28/31.07.2017 .  
 2017 .,  
 2018 . 2017  
 11- .  
 ,  
 .  
 ,  
 ( RISC-KIT).  
 1:100 000 ( Emodnet-Geology).  
 " 2015 . -  
 ", .  
 , 2017 .  
 ( 2016 .)  
 ,  
 (BG National Report - Progress in methodology,  
 legislation, projects, initiatives (Biodiversity)).



,  
 ,  
 -4 14.09.2012 . 05.03.2013 ,  
 - ,  
 .  
 2017 .  
 .  
 2017 .  
 9 11- , .  
 , 1,4,6 - , ,  
 , , 2 - , 3 -  
 , , 5 -  
 , 7 - , 10 -  
 , 11 - .  
 ,  
 , 17  
 2008/56/ 2018 .  
**MARLEN.** -34-10/31.03.2015 . „  
 „  
 BG02 „ „ -  
 2009-2014 . ,  
 . - .  
 :  
 -  
 ;  
 -  
 ;  
 ,  
 ;  
 -

, ;  
 - ,  
 , ,  
 ;  
 - ;  
 - ,  
 ” ”  
 ;  
 - .  
 .  
 , ,  
 ”,  
 57 58/27.06.2016 . - - , . - .  
 ( )  
 665/2008 14 2008 . (2010/93 / ) 18  
 2009 . ,  
 .  
 , , , , ,  
 . 12, . 1 ( ) 199/2008.  
 36  
 ( 72 ) - - /  
 / ,  
 , , , , , .  
 , , , , ,  
 .  
 - , 2010/93 /  
 , , 2.4,  
 3 - , .  
 - .  
 , .

-

,

45-55

N. scintillans

9 - 2014

7 2011,

Sprattus sprattus.

9136.6 2

44 282 t; -

50-75 .

M.merlangius .

19-35

75-80 , -

(MSYs)

,

,

JRC, EC

Med&Black Sea Data call, Med&Black Sea – LP Data call,

,

.

<u>2.</u>	
31.12.2017 .	110 (49 ),
”	“ : 36 (21 )
32% - 21 (2 ) 15 ( 9 .	” “ ) ,
, 3 3	, – 34,
, :	- 15, - 23, 2 .
2017 .	38 -
- 3 ,	” ;
- 8 ,	( , ), 3 ;
- 8 ,	;
- 17 ,	;
- 1 ,	(TOTAL E&P Bulgaria B.V.);
- 1 ,	( ) ;
2017 .	“ ” .
7 ,	” .
, ,	( “ “
, ,	GeoEcoMar, “ “) .
, ,	22 197 ,
, ,	” ,
35 .	“ ” ,
200 .	. .
. .	130
. .	46
, 138 , 69 ,	19
. .	110
, 220 1 6 –	, 220 1 6 –



				53
	( 3)		( 10), 12	
	1,4,		63	
		1,4,	2, 5 –	
	72			360
		330		
		220		
			( 10)	61
				11,
			7	
				55
	18 -		, 10	-
			37.	- «
	».			
2017 .	6,			
	30,	23		
	SONIX 460,		158	2017 ..
		- 427		
		35	“	“
”	”	“	“	“
”	”	“	“	“
”	”	“	“	“

2.1. -

67

1

Lundholm (Hasle & G.A.Fryxell, 2002)  
(Moestrup & Hasle, 2003)

- *Pseudo-nitzschia linea*  
- *Pseudo-nitzschia calliantha* Lundholm  
- *Pseudo-nitzschia pungens* var.

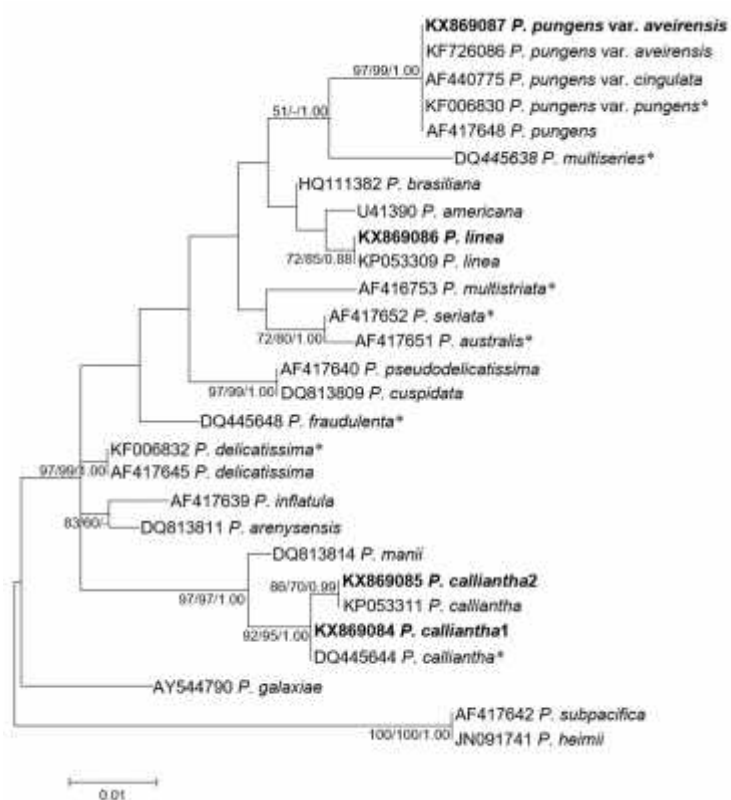
*aveirensis* Lundholm (Churro, Carreira & Calado, 2009),

*Pseudo-nitzschia* (.2.1.1).

3

: *Pfiesteria piscicida* (K.A.Steidinger & J.M.Burkholder, 1996), *Karlodinium veneficum* (D.Ballantine) (J.Larsen, 2000), *Karenia bicuneiformis* Botes (Sym & Pitcher, 2003), ( 2.1.1).

( , DDBJ Sequence Read Archive GenBank)



2.1.1. Maximum Likelihood (ML) Pseudo-nitzschia spp. D1-D3 LSU rDNA. log likelihood (-811.77). bootstrap MP (1000 replicates), likelihood (K2+G+I ; 1000 replicates of bootstrap) Bayesian (PP), > 50, > 0.50 .

Genebank.

e

( 5)

2.1.1.

GenBank ( 13 ),

<i>Karenia bicuneiformis</i>	Dinophyceae	HM067002.1	0.994	11
<i>Karlodinium veneficum</i>	Dinophyceae	AF274262.1	0.995	8
<i>Pfiesteria piscicida</i>	Dinophyceae	FJ600090.1	1.000	8

”  
“, FY2015 International Fellowship fund from the Japanese Association of University Women (JAUW), a Grant-In-Aid for Scientific Research (Kiban-B) from the Japan Society for the Promotion of Science (No. 25292130, “Phytoplankton cysts – an intricacy between a “memory” or a “potential” for Black Sea biodiversity and algal blooms”, contract number H01/8, National Science Fund – 2016.

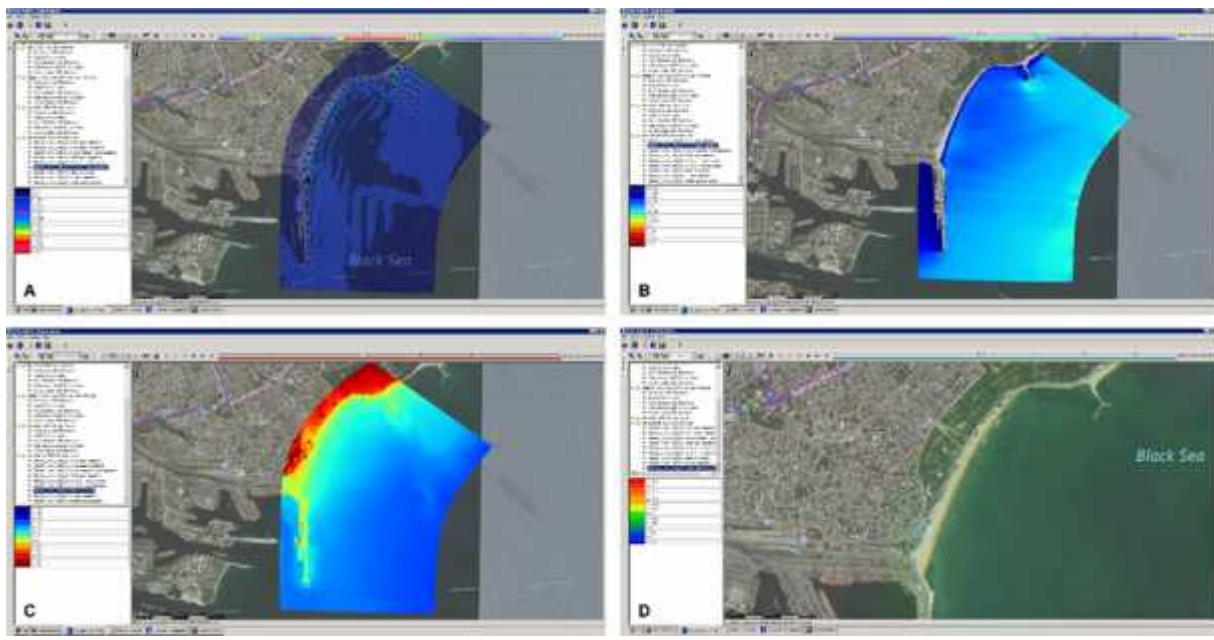
Dzhembekova, N., Urusizaki, S., Moncheva, S., Ivanova, P. and Nagai, S., 2017. Applicability of massively parallel sequencing on monitoring harmful algae at Varna Bay in the Black Sea. Harmful Algae, 68, pp.40-51.

Dzhembekova, N., Atanasov, I., Ivanova, P., Moncheva, S., 2017. New potentially toxic Pseudo-nitzschia species (Bacillariophyceae) identified by molecular approach in the Black Sea (Varna Bay). 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Conference Proceedings, Volume 17, 889-896.

2.2. - -

RISC-KIT (Resilience-increasing Strategies for Coasts)  
("RISC-toolKIT").

: - („ “)?  
 ( )  
 ?  
 ?  
 ,  
 : ,  
 • ,  
 ,  
 ( - ),  
 • ,  
 , . . .  
 ( )  
 ” “  
 Delft-FEWS ( ) -  
 ,



. 2.2.1. :  
 (A), “ (B), bottom level (C)  
 (D) „ “ 6.02.2015 .  
 21:00 . GMT.

Valchev, N., P. Eftimova and N. Andreeva, 2017. Implementation and validation of a multi-domain coastal hazard forecasting system in an open bay, Coastal Engineering, <https://doi.org/10.1016/j.coastaleng.2017.08.008>; IF 3.221

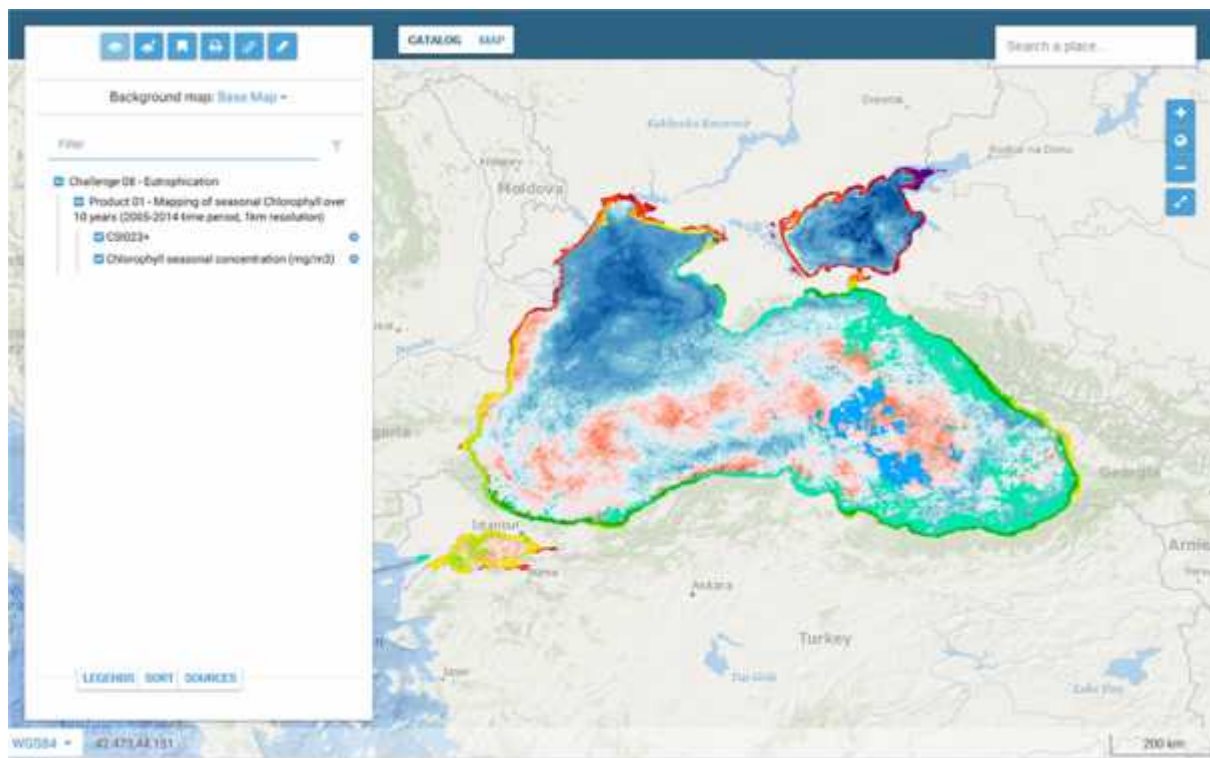
Cumiskey, L., Priest, S., Valchev, N., Viavattene, C., Costas, S. and Clarke, J. 2017. A framework to include the (inter)dependencies of Disaster Risk Reduction measures in coastal risk assessment, Coast. Eng. [doi.org/10.1016/j.coastaleng.2017.08.009](https://doi.org/10.1016/j.coastaleng.2017.08.009); IF 3.221

Valchev, N., Eftimova, P., Andreeva, N. and Prodanov, B. 2017. Application of Bayesian network as a tool for coastal flooding impact prediction at Varna Bay, Bulgaria, Western Black Sea. Proceedings of the 35th International Conference on Coastal Engineering 2016, ISBN: 978-0-9896611-3-3, ISSN: 2156-1028, DOI:<https://doi.org/10.9753/icce.v35.management.14>

3.

,  
 ;  
 .  
 .  
 ,  
 ,  
 .  
 (GeoEcoMar),  
 ,  
 ”,  
 2018 .  
 « ».  
 “ ”  
 ,  
 BlackSea4Fish.  
 2017 . 1  
 ( )  
 -  
 4 – (Black Sea Checkpoint)  
 ( : . - )  
 .  
 (EMODnet).  
 11 ( ),  
 , : (

, ); ( ; ) ; ( ) ; ( ) ; 450 ( ) ; 59 ( ) ; ,



. 3.1. : - 2005-2014





**5.****5.1.**

SONIX

23

**iR2**

– 9,

1	-36/20	
2	-17-67/28.07.17	
3	-17-103/28.07.	
4	Env.C.2/FRA/2016/001 Framework contract for services to move towards good environmental status of the European marine waters by implementing the Marine Strategy Framework Directive	DG ENV European Union
5	EASME/EMFF/2016/1.3.2.5/01/SI2.770039 Recovery of fisheries historical time series for the Mediterranean and Black Sea stock assessment	EASME/EMFF
6	MARE/2016/22 -STREAM "Strengthening regional coordination in data collection for the Mediterranean and Black Sea"	DG MARE, EC
7	EASME/EMFF/2015/1.3 EMODnet-High Resolution Seabed Mapping	EASME/EMFF
8	med&Black Sea Dta call, Med&Black Sea-LP-Data	
9	01/8 2 16.04.2015	

**iR3**

– 1

1	MELTEMI "Marine litter transnational Legislation Enhancement and Improvement (MELTEMI)",	Interreg-Balkan-Mediterranean
---	---	-------------------------------

**iR4**

– 3,

1	EASME/EMFF/2014/1.2. MARSPLAN-BS Cross-Border Maritime Spatial Plan for the Black Sea – Romania, Bulgaria	EASME/EMFF
2	56/29/09/2017	
3	57/29.09.2017	

--	--	--

**iR5** – 2,

1	n°EASME/EMFF/2016/1. EuSeaMap3 EMODNet Lot2 Seabed Habitats EuSeaMap3	EASME
2	57 - - - - -	-

**iD3** - 1

1	Western Black Sea Underwater Cultural Tourist Routes	EASME
---	--	-------

**iD4** - 3

1	EASME/EMFF/2014/1.2. MARSPLAN-BS Cross-Border Maritime Spatial Plan for the Black Sea – Romania, Bulgaria	EASME
2	57/29.09.2017 - - - - -	-
3	56/29/09/2017 - - - - -	-

**iD7** – 1

1	-34-10/31.03.2015 - - - - -	
---	-----------------------------	--

**iBDR3** – 1

1	OPP Oceans Past Platform	COST
---	--------------------------	------

**iT2** – 2

1	2015-1.3.1.3-SI2.727 EMODNET – Ingestion : - - (Emodnet: Pan-European infrastructure for Ocean and Marine Data Management - Ingestion and safe-keeping of marine data)	
2	730960 H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1 SeaDataCloud - - - : (Further developing the pan-European infrastructure for marine and ocean data management)	

**5.2.**

**6.**

---

4 . . . . . 1 . . . . .

46 126 . . . . . -

“ ” - ;

○ ” . . . . . ” - ;

○ , . . . . .

○ ;

○ , . . . . .

( - ) (S\\AMG).

/ .

7.

		2017 .	2 964 505 ,
	:		
•			1 168 274 .
•			237 901 .
•			449 289 .
•			1 062 845 .
•	( )		32 215 .
•	,		13 911 .
•			70 .
	<b>- 3 245 610 .</b>		
•			56 097 .
•	-		17 550 .
•			14 926 .
•			832 828 .
•			1 154 209 .
	” ”		1 100 000 .
	” ”		70 000 .
		<b>2017 . 5 769 696 . . .</b>	
•			890 858 .
•			1 395 406 .
•			240 587 .
•			6 400 .
•			554 792 .
•			3 .
•			1 113 623 .
•			391 755 .
•			<b>1 176 272 .</b>
▪			19 420 .
▪			17 .
▪			2 027 .
▪			175 919 .
▪	,		142 458 .
▪	,		495 602 .
▪			59 978 .
▪			46 686 .
▪			196 338 .
▪	-		2 385 .
▪			13 564 .
▪	/		21 125 .
▪	/		753 .
		<b>492 018 .</b>	
		<b>415 501 .</b>	

## 8.

2017 . 67 . 2 . 2017 .  
 , 10500 . - ,  
 , . ,  
 (EURASLIC)  
 (IAMS LIC) 37 (PDF) 350  
 . 55 .  
 (EBSCOhost, APS-  
 A11 JSTOR) (ScienceDirect, Scopus Web of  
 Science™ Core Collection).  
 :  
 • (ODINECET);  
 • (Union List of Serials Available at the  
 EURASLIC ECET Group Aquatic Libraries);  
 • (CEEMaR).  
 :  
 - ” -  
 ” - , 18-19 2017 .  
 ( ) :  
 • 17- EURASLIC, 8-10 2017,  
 ;  
 • ODINECET, 9 2017,  
 , , .

**9.**

---

“ . ”- , , 25.01.2017 .  
:

- 1. - -
- 2. - - .
- 3. - -
- 4. -
- 5. . - .
- 6.
- 7. -
- 8. -
- 9. -
- 10. -
- 11. -
- 12. -
- 13. -
- 14. -
- 15. -
- 16. - ” . . ”-
- 17.  - -
- 18. - - -
- 19. - -
- 20. - - -
- 21. . . - - .38, .5

:

-

2017 . - ,

,

,

,

.



<b>1.</b>	<b>Spravka_personal_2017</b>		
<b>2.</b>	<b>SONIX, 24</b>	<b>2017 .:</b>	<b>2017 .</b>
E 03/1.1:	,		
E 03/1.2:	,	–	
E 03/2.1:	,	–	
Science)	SJR (SCOPUS) –		IF (Web Of
E 03/2.2:	,		IF (Web Of
Science)	SJR (SCOPUS) –		
E 03/3.1:	,	–	
E 03/3.2:	,	–	
E 03/9.1:			–
E 03/9.2:			–
<b>3.</b>	<b>2017 .</b>	<b>SONIX, 24</b>	<b>2017 .</b>
E03/10.1:			
<b>4.</b>	<b>SONIX, 24</b>	<b>2017 .:</b>	
E 04:	,	"	"
E 05:	,	(	),
E 07:	,	(	)
E 09:	,		
E 10:	,		
E 11:	,	(	)
E 12:	,		
E22/1:			
E22/2:			
3.2.1.	/		
3.2.2.			
E24:	,	,	,



E26/B1: ,

E26/C1: –

E26/D1: –

E26/C2: ,

E26/D2:

E26/D3:

E26/ :

30/1:

30/2: /

4.7.1.

5. , 2017 .

6. ,

7. , .

: .....

/ . - . /

1. **Spravka\_personal\_2017**

Spravka\_personal\_2017

**НАИМЕНОВАНИЕ НА ЗВЕНОТО: ИНСТИТУТ ПО ОКЕАНОЛОГИЯ - БАН - ВАРНА**

Справка за персонала към 31.12.2017 г.

Информацията се представя в цели числа.

Попълват се САМО клетките в зелен цвят.

№	Име на длъжност към 31.12.2017 г.	31.12.2017 г.		31.03.2017 г.		31.06.2017 г.		31.09.2017 г.		31.12.2017 г.		31.12.2016 г.		31.12.2015 г.											
		Общ	В %	Общ	В %	Общ	В %	Общ	В %	Общ	В %	Общ	В %	Общ	В %										
1	Налична численост към 31.12.2017 г.	110	49	0	0	2	8	3	1	9	3	14	7	19	12	16	10	11	7	22	5	14	1		
2	Данни за лични бройки към 31.12.2017 г.	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
3	Проф. към 31.12.2017 г.	19	11	0	0	0	0	0	0	0	0	3	4	3	4	3	4	3	2	3	2	3	3	3	0
4	Доц. към 31.12.2017 г.	9	6	0	0	1	0	1	0	2	2	2	3	2	3	2	3	2	3	2	3	3	3	3	0
5	Вн. ас. към 31.12.2017 г.	3	3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
6	Ас. към 31.12.2017 г.	3	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Специалист без издръжката държавата, но с образователна и научна степен „магистър“ към 31.12.2017 г.	34	14	0	0	1	0	1	0	4	2	5	4	5	3	1	0	0	0	0	0	0	0	0	0
8	Специалист с висше образование към 31.12.2017 г.	15	7	0	0	0	0	0	0	1	0	1	1	2	1	2	1	2	1	2	1	2	3	1	2
9	Специалист със средно проф. образование към 31.12.2017 г.	23	8	0	0	0	0	0	0	1	0	1	0	5	2	3	2	3	2	3	2	3	3	0	4
10	Друг персонал към 31.12.2017 г.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Специалист с висше образование, специалност със средно проф. образование, специалност със средно проф. образование, специалност със средно проф. образование	36	22	0	0	1	8	2	1	3	3	8	5	8	6	4	3	2	3	2	3	2	3	1	2
12	Икономически съвет в областта на науката към 31.12.2017 г.	18	8	0	0	1	8	0	0	1	2	3	2	1	1	1	5	2	1	1	0	0	0	0	0
13	Икономически съвет в областта на науката към 31.12.2017 г.	21	12	0	0	0	0	0	0	0	0	5	2	4	3	4	4	3	2	3	2	3	1	0	0
14	Заблудителен учен (проф. др.) към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Докладчик до Комисията за избор на проф. към 31.12.2017 г.	15	10	0	0	1	0	2	1	3	3	3	3	4	3	0	0	0	0	0	0	0	0	0	0
16	Младши науч. сътрудник на работното място към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Младши науч. сътрудник на работното място към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Младши науч. сътрудник на работното място към 31.12.2017 г.	33	18	0	0	1	0	2	1	2	2	7	4	7	5	4	4	3	1	3	1	3	1	3	0
19	Вн. ас. към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Доцент към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Проф. към 31.12.2017 г.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Проф. към 31.12.2017 г.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Проф. към 31.12.2017 г.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Искател: (подпис) *[Signature]*  
Гл. счетоводител (подпис) *[Signature]*  
Протокол № 1/2018

б. ,  
.

7.

25 2017.

